

**APPENDIX A**  
**CORRESPONDENCE WITH REGULATORS**

## Correspondence with Regulators

Enclosed in this appendix are photocopies of official documents pertaining to preparation of this Environmental Report and to operations at the Sweetwater Uranium Facility. The following are included:

<u>Attachment</u>	<u>Description</u>
1.	NRC License SUA-1350, dated July 29, 1993.
2.	NRC Regulatory Guide 3.8, "Preparation of Environmental Reports for Uranium Mills."
3.	Letter from Kennecott Energy to NRC, dated November 1, 1993, confirming that mine is not to be included in the revised Environmental Report, and other topics.
4.	Telephone conversation logs.
5.	Letter to former owner, Minerals Exploration Company, from NRC, received September 15, 1989, granting license amendment for ground water corrective action program, based on Minerals' submittals of April 25 and July 20, 1989, which are also included.
6.	Letter from Wyoming Department of Environmental Quality, Land Quality Division, dated April 6, 1990, releasing the reclamation bond for Minerals' in situ plant.
7.	1993 inspection report, Sweetwater Uranium Facility, by U.S. Nuclear Regulatory Commission.

ATTACHMENT 1

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee			
1.	Kennecott Uranium Company	3. License number	
2.	Post Office Box 11248 Salt Lake City, Utah 84147		SUA-1350, Amendment No. 5
		4. Expiration date	June 30, 1997
		5. Docket or Reference No.	40-8584

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
Natural Uranium Byproducts	Any	Unlimited

9.0 ADMINISTRATIVE CONDITIONS

9.1 Authorized Place of Use: The licensee's uranium milling facilities located in Sweetwater County, Wyoming.

9.2 The licensee is hereby authorized to possess byproduct material in the form of uranium waste tailings and other byproduct wastes generated by past milling operations at the facilities.

9.3 The licensee is authorized to operate an ion exchange uranium recovery facility in accordance with submittals dated September 27, 1989, and October 18, 1991. The licensee is not authorized to produce any other uranium concentrates without a license amendment approved by the NRC.

9.4 For use in accordance with statements, representations, and conditions contained in Sections 3.3.6 and 6.0 of the previous renewal application dated March 1984, as supplemented by submittals dated April 3, July 2, and July 27, 1984, January 17, 1985, and the renewal application dated January 23, 1991, except where superseded by license conditions below.

Whenever the word "will" is used in the above referenced documents, it shall denote a requirement.

9.5 Any changes in the mill circuit shall require approval of the NRC in the form of a license amendment.

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- 9.6 The licensee is hereby exempted from the requirements of 10 CFR 20.1902(e) for areas within the mill, provided that all entrances to the mill are conspicuously posted in accordance with Section 20.203(e)(2) and with the words "Any area within this mill may contain radioactive material."
- 9.7 Release of equipment or packages from the restricted area shall be in accordance with the attachment to this license entitled, "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct or Source Materials," dated September 1984.
- 9.8 Mill tailings other than samples for research shall not be transferred from the site without specific prior approval of the NRC in the form of a license amendment.
- 9.9 Prior to termination of this license, the licensee shall provide for transfer of title to byproduct material and land, including any interests therein (other than land owned by the United States or the State of Wyoming), which is used for the disposal of such byproduct material or is essential to ensure the long-term stability of such disposal site to the United States or the State of Wyoming, at the State's option and at no cost to the government.
- 9.10 The licensee shall submit a detailed decommissioning plan to the NRC at least 1 year prior to the planned termination of mill operations.
- 9.11 The Radiation Safety Officer for the Sweetwater Mill shall possess the qualifications and responsibilities of the Safety and Environmental Administrator specified in Sections 5.1.1 and 5.2.3 of the March 1984 renewal application, with the exception that biannual refresher training shall not be required during the period of mill shutdown.
- 9.12 The licensee shall conduct and document initial employee training and annual refresher training for all mill process or maintenance employees. The training shall include the topics listed in Section 5.3.1 of the March 1984 renewal application.
- 9.13 In order to ensure that no disturbance of cultural resources occurs in the future, the licensee shall perform an archeological and historical artifact survey of any areas not previously surveyed prior to their disturbance, including borrow areas for reclamation cover. Such surveys shall be submitted to the NRC for review and approval. No such disturbance shall occur until authorization to proceed has been granted by the NRC. In addition, all work in the immediate vicinity of any buried cultural deposits unearthed during the disturbance of land shall cease until approval to proceed has been granted by the NRC.

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- 9.14 Before engaging in any activity not previously assessed by the NRC, the licensee shall prepare and record an environmental evaluation of such activity. If the evaluation indicates such activity may result in a significant adverse environmental impact which was not previously assessed or which is greater than previously assessed, the licensee shall provide a written evaluation of such activities and obtain prior approval of the NRC in the form of a license amendment.
- 9.15 Any corporate organization changes affecting the assignments or reporting responsibilities of the radiation safety staff as described in the May 28, 1992, submittal, shall require approval of the NRC in the form of a license amendment.
- 9.16 The licensee shall maintain an NRC-approved financial surety arrangement, consistent with 10 CFR 40, Appendix A, Criteria 9 and 10, adequate to cover the estimated costs, if accomplished by a third party, for decommissioning and decontamination of the mill and mill site, for reclamation of any tailings or waste disposal areas, ground-water restoration as warranted, and the long-term surveillance fee. Within 3 months of NRC approval of a revised reclamation/decommissioning plan, the licensee shall submit for NRC review and approval, a proposed revision to the financial surety arrangement. A revised surety shall then be in effect within 3 months of written NRC approval.

Annual updates to the surety amount, required by 10 CFR 40, Appendix A, Criteria 9 and 10, shall be submitted to the NRC each year on or before the anniversary date which is designated as April 30. Along with each proposed revision or annual update, the licensee shall submit supporting documentation showing a breakdown of the costs and the basis for the cost estimates with adjustments for inflation, maintenance of a minimum 15 percent contingency fee, changes in engineering plans, activities performed and any other conditions affecting estimated costs for site closure. The basis for the cost estimate is the NRC-approved reclamation/decommissioning plan or NRC-approved revisions to the plan. The attachment to this license entitled, "Recommended Outline for Site Specific Reclamation and Stabilization Cost Estimates," outlines the minimum considerations used by the NRC in the review of decommissioning and reclamation estimates. Reclamation/decommissioning plans and annual updates should follow this guidance.

The licensee's currently approved surety, a Parent Company Guarantee issued by Kennecott Corporation, shall be continuously maintained in an amount no less than \$4,771,000 for the purpose of complying with 10 CFR 40, Appendix A, Criteria 9 and 10, until a replacement is authorized by the NRC. The use of a parent company guarantee necessitates an evaluation of the corporate parent by the NRC as part of the annual surety update. In addition to the cost information required above, the annual submittal must include updated documentation of the (1) letter from the chief financial officer of the parent company, (2) auditor's special report confirmation of chief financial

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officer's letter, (3) schedule reconciling amounts in chief financial officer's letter to amounts in financial statements, and (4) parent company guarantee document if changes are appropriate.

[Applicable Amendments: 2]

9.17 Within 6 months of the resumption of operations, the licensee shall submit to the NRC a detailed proposal for the disposal of contaminated material and equipment generated at the mill site in the form of a request for license amendment. This proposal shall include a description of the materials to be disposed of, location(s) of disposal, method(s) of disposal, estimated annual volumes of materials, and an estimate of the impact of the disposal plan on the tailings management plan.

9.18 At least 6 months prior to the resumption of milling operations, the licensee shall submit for NRC review and approval, in the form of a license amendment, an updated quality assurance program and a revised effluent and environmental monitoring program. [Applicable Amendments: 5]

9.19 During the period of mill shutdown, all mill entries and maintenance activities shall be conducted under a radiation work permit (RWP) or standard operating procedure (SOP). Each RWP shall describe any precautions necessary to minimize exposure to radioactive materials and specify the radiological monitoring necessary to determine employee exposures. All RWPs and SOPs shall be signed by the Radiation Safety Officer or qualified designee.

9.20 Standard operating procedures (SOPs) shall be established and implemented for all operational process activities involving radioactive materials that are handled, processed, or stored. SOPs for operational activities shall enumerate pertinent radiation safety practices to be followed. Additionally, SOPs shall be established and implemented for all aspects of the radiation safety and environmental monitoring programs. A current copy of each SOP shall be kept in the mill area in which it applies.

All SOPs shall be reviewed and approved in writing by the radiation safety officer (RSO) before implementation and whenever a change in procedure is proposed to ensure that proper radiation protection principles are being applied. In addition, the RSO shall perform a documented review of all existing SOPs at least annually.

[Applicable Amendments: 5]

9.21 The licensee shall use a radiation work permit (RWP) for all operations or maintenance jobs where the potential for significant exposure to radioactive material exists and for which no SOP exists. The RWP shall be approved by the RSO or his designee, qualified by way of specialized radiation protection training, prior to the initiation of work and shall at a minimum describe the following:

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- A. The scope of work to be performed.
- B. Measures to be taken to reduce exposure to radioactive materials.
- C. The supplemental radiological monitoring and sampling necessary prior to, during, and following completion of the work.

[Applicable Amendments: 5]

10.0 OPERATIONAL LIMITS, CONTROLS, AND RESTRICTIONS

- 10.1 The licensee shall maintain effluent control systems as specified in Section 4.1.3 of the March 1984 renewal application with the following additions:
  - A. Operations shall be immediately suspended in the affected area of the mill if any of the emission control equipment for the yellowcake drying or packaging areas is not operating within specifications for design performance.
  - B. The licensee shall, during all periods of yellowcake drying operations, assure that the scrubber is operating within the manufacturer's recommended ranges for water flow and air pressure differential necessary to achieve design performance. This shall be accomplished by either (1) performing and documenting checks of water flow and air pressure differential every 4 hours during operation, or (2) installing instrumentation which will signal an audible alarm if either water flow or air pressure differential fall below the manufacturer's recommended levels. If an audible alarm is used, its operation shall be checked and documented daily.
  - C. Air pressure differential gauges for other emission control equipment shall be read and the readings documented once per shift during operations.
- 10.2 All liquid effluents from mill process buildings, with the exception of sanitary wastes, shall be returned to the mill circuit or discharged to the tailings impoundment.
- 10.3 Maintenance, operation, and reclamation of the tailings retention system shall be in accordance with the specifications, representations, and commitments in the following documents:
  - A. Application for Amendment to U.S. Nuclear Regulatory Commission Source Material License No. SUA-1350, Volumes 1-4, dated September 1982.
  - B. Application for Amendment to NRC Source Material License No. SUA-1350, Sweetwater Uranium Project, Volumes 5-6, dated July 1983.



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- C. Response to WDEQ completeness reviews dated September 23, 1983, and October 21, 1983, transmitted by letter dated May 8, 1984, from Minerals Exploration Company to Wyoming Department of Environmental Quality.
- 10.4 The licensee shall maintain a minimum of 5 feet of freeboard between the top of the tailings dam and the tailing pond level throughout the project life. The tailings impoundment area shall not be changed in any way without specific prior approval of the NRC in the form of a license amendment.
- 10.5 The licensee shall maintain the liner system for tailings Cell "C" in accordance with the specifications, representations, recommendations, and commitments in the following:
- A. "Proposed Subsurface Tailings Disposal" transmitted by letter dated July 10, 1978, from Manager of Operations, MEC, to Chief, Fuel Processing Fabrication Branch, NRC, and supplements to this report dated August 1, 22, and 28, 1978.
  - B. Quality Control - PVC/Hypalon Bond, pages 5-7 of October 23, 1978, letter from D'Appolonia Consulting Engineers to Minerals Exploration Company (MEC), transmitted by letter dated November 3, 1978, from General Manager, MEC, to Chief, Fuel Processing and Fabrication Branch, NRC.
  - C. Items 7 and 8 of the Enclosure to the October 11, 1978, letter from the General Manager, Minerals Exploration Company, to Chief, Fuel Processing and Fabrication Branch, NRC.
  - D. Recommended changes Uranium Pond Liner System, Sweetwater Project, Sweetwater County, Wyoming, for Minerals Exploration Company, by D'Appolonia Consulting Engineers, Inc., July 13, 1979.

In addition, the licensee shall not modify the liner system or installation procedures specified in the above documents without specific prior approval of the NRC in the form of a license amendment.

- 10.6 During the period of mill shutdown, the licensee shall not add tailings or other solid wastes to the tailings cell, except byproduct material in the form of debris generated by routine site maintenance, and a maximum of 10,000 cubic yards of byproduct material generated in the course of decommissioning U. S. Energy Corporation's Green Mountain Ion Exchange (GMIX) facility which is licensed by SUA-1524. Disposal of GMIX materials shall be performed as described in the Disposal Plan which was submitted in Kennecott's July 21, 1993, letter. Any disposal activities in the tailings cell shall be performed in accordance with the standard operating procedure, "Reduction of Voids in

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Material Placed in the Tailings Cell For Disposal," submitted on October 27, 1992. In addition, the licensee shall implement an interim stabilization program for all tailings areas not covered by standing water, which shall include written operating procedures and shall minimize the dispersal of wind-blown tailings. [Applicable Amendments: 1, 4]

10.7 During the period of mill shutdown, discharge of liquids to the tailings impoundment shall be limited to water from mill cleanup activities, pump tests, seepage collection, and operation of the ion exchange plant, subject to the following:

- A. The amount of water annually added to the tailings impoundment shall not exceed 25 million gallons.
- B. The enhanced evaporation system shall be operated and maintained as described in the November 12, 1985, and May 9, 1990, submittals.
- C. The tailings cell liner shall be maintained in an operable condition within 5 feet of the solution surface.

10.8 Prior to resuming operations, the licensee shall have in operation instrumentation to detect ruptures of the tailings discharge and solution return lines when these lines are being utilized. Indications of a possible rupture of these lines shall result in activation of an alarm in an occupied area of the mill. These instruments shall be tested daily during operation.

10.9 All radiation monitoring, sampling, and detection equipment shall be calibrated as recommended by the manufacturer or annually, whichever is more frequent. In addition, all radiation survey instruments shall be operationally checked with a radiation source each day when in use.

**11.0 MONITORING AND RECORDKEEPING REQUIREMENTS**

11.1 The results of sampling, analyses, surveys, and monitoring; the results of calibration of equipment; reports on audits and inspections; all meetings and training courses required by this license; and any subsequent reviews, investigations, and corrective actions, shall be documented. Unless otherwise specified in NRC regulations, all such documentation shall be maintained for a period of at least 5 years.

11.2 Occupational exposure calculations shall be performed and documented within 1 week of the end of each regulatory compliance period as specified in 10 CFR 20.103(a)(2) and 10 CFR 20.103(b)(2). Routine airborne ore dust and yellowcake samples shall be analyzed in a timely manner to allow exposure calculations to be performed in accordance with this condition. Nonroutine ore dust and yellowcake samples shall be analyzed and the results reviewed by the Radiation Safety Officer within 2 working days after sample collection.

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- 11.3 During the period of mill shutdown, bioassay testing shall be conducted as specified in radiation work permits issued for nonroutine activities.
- 11.4 During the period of mill shutdown, air samples and external radiation measurements shall be obtained semiannually in the ore crushing and yellowcake areas of the mill. The air samples shall be analyzed for natural uranium and radon daughter concentrations. In addition, the frequency for radon daughter sampling during operation of the ion exchange plant shall be as specified in Section 1.3 of NRC Regulatory Guide 8.30, "Health Physics Surveys in Uranium Mills."
- 11.5 During the period of mill shutdown, air particulate, radon, and gamma monitoring shall be performed at the restricted area boundary downwind of the tailings cell. Radon monitoring shall also be conducted at an upwind location as described in the July 23, 1990, submittal. Sample frequency and analysis shall be in accordance with Table C-3 of the July 2, 1984, submittal.
- 11.6 During the period of mill shutdown, a weekly inspection of the tailings area shall be performed. Documentation of the weekly inspections shall include an evaluation of the effectiveness of the method used to control blowing tailings and the condition of the liner and any repairs made.
- 11.7 The licensee shall conduct an annual ALARA audit of the radiation protection program at the mill. Documentation of the ALARA audit shall include the items specified in Section 2.3.3 of NRC Regulatory Guide 8.31, "Information Relevant to Ensuring that Occupational Radiation Exposures at Uranium Mills Will Be As Low As Reasonably Achievable."
- 11.8 The licensee shall conduct an annual survey of land use (private residence, grazing areas, private and public potable water and agricultural wells, and nonresidential structures and uses) in the area within 5 miles of any portion of the restricted area boundary.
- 11.9 The licensee shall maintain a permanent record of all transfers of mill tailings from the site.
- 11.10 The licensee shall implement a ground-water compliance monitoring program containing, at a minimum:
- A. Semiannual sampling of point of compliance wells TMW-15, 16, 17, and 18, for cadmium, chromium, lead-210, nickel, combined radium-226 and -228, selenium, thorium-230, natural uranium, gross alpha, chloride, iron, nitrate, sulfate, pH, and total dissolved solids.
  - B. The following ground-water protection standards at point of compliance wells TMW-15, 16, 17, and 18, with background being recognized in well TMW-5:

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arsenic = 0.05 mg/l, barium = 1.0 mg/l, beryllium = 0.01 mg/l, cadmium = 0.01 mg/l, chromium = 0.05 mg/l, cyanide = 0.005 mg/l, lead = 0.5 mg/l, lead-210 = 1.4 pCi/l, mercury = 0.002 mg/l, molybdenum = 0.04 mg/l, nickel = 0.01 mg/l, combined radium-226 and -228 = 2.8 pCi/l, selenium = 0.01 mg/l, silver = 0.05 mg/l, thallium = 0.01 mg/l, thorium-230 = 10.0 pCi/l, natural uranium = 1.7 pCi/l, and gross alpha = 6.6 pCi/l.

C. A corrective action program in accordance with the April 25 and July 20, 1989, and December 4, 1992, submittals, with the objective of returning the concentrations of chromium, natural uranium, and combined radium-226 and -228 concentrations to the levels specified in B above. Seepage collection wells may be added or removed from service with the goal of improving the performance of the corrective action program.

D. Minimum lower limits of detection for water quality analysis of:

arsenic = 0.01 mg/l, barium = 0.1 mg/l, beryllium = 0.01 mg/l, cadmium = 0.005 mg/l, chromium = 0.01 mg/l, cyanide = 0.005 mg/l, lead = 0.01 mg/l, lead-210 = 1.0 pCi/l, molybdenum = 0.01 mg/l, nickel = 0.01 mg/l, selenium = 0.005 mg/l, silver = 0.01 mg/l, thorium-230 = 1.0 pCi/l, gross alpha = 1.0 pCi/l, nitrate = 0.01 mg/l, and total dissolved solids = 1.0 mg/l.

[Applicable Amendments: 3]

11.11 The licensee shall provide written notification to the NRC at least 30 days prior to the planned resumption of uranium milling operations. Upon the resumption of milling operations, the licensee shall implement the radiation safety and ALARA programs specified in the submittal dated March 13, 1994, with the following additions:

- A. In-plant air sampling pumps shall be calibrated at least quarterly or prior to each use, whichever is less frequent.
- B. Urine samples shall be collected from all mill process workers on at least a monthly frequency.
- C. The action level for personal contamination surveys shall not exceed 1000 dpm/100 cm<sup>2</sup>.

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D. The licensee shall conduct weekly surveys for removable alpha contamination in all eating areas and change rooms. If survey results exceed 200 dpm/100 cm<sup>2</sup>, the area shall be decontaminated before being used.

[Applicable Amendments: 5]

12.0 REPORTING REQUIREMENTS

12.1 The results of all effluent and environmental monitoring required by this license shall be reported to the NRC semiannually in accordance with 10 CFR 40.65. Monitoring data shall be reported in the format shown in the attachment to this license entitled, "Sample Format for Reporting Monitoring Data."

12.2 The results of bioassay testing required by this license, including documentation of the corrective actions performed to satisfy the requirements of NRC Regulatory Guide 8.22, "Bioassay at Uranium Mills," shall be provided to the NRC as follows:

- A. Anytime an action level of 15 ug/l uranium for urinalysis or 9 nCi uranium for in-vivo measurement is reached or exceeded shall be reported to the NRC with the next semiannual 10 CFR 40.65 submittal.
- B. Anytime an action level of 30 ug/l uranium for four consecutive urinalysis specimens or 130 ug/l for one urinalysis specimen or 16 nCi uranium for in-vivo measurements is reached or exceeded shall be reported to the NRC within 1 month.

12.3 A report of the annual land use survey, indicating any differences in land use from that described in the previous report, shall be submitted to the NRC.

12.4 A copy of the annual ALARA audit report shall be submitted to the NRC.

12.5 The licensee shall immediately notify the NRC by telephone of any failure in the tailings retention system or tailings discharge system which results in a release of radioactive material.

12.6 At least 6 months prior to the resumption of operations, a report documenting an inspection of the tailings impoundment liner, any repairs performed, and the repair procedures shall be submitted to the NRC.

12.7 A ground-water monitoring report shall be submitted to the NRC semiannually. In addition, a ground-water corrective action program review, describing the progress toward attaining the ground-water protection standards including the

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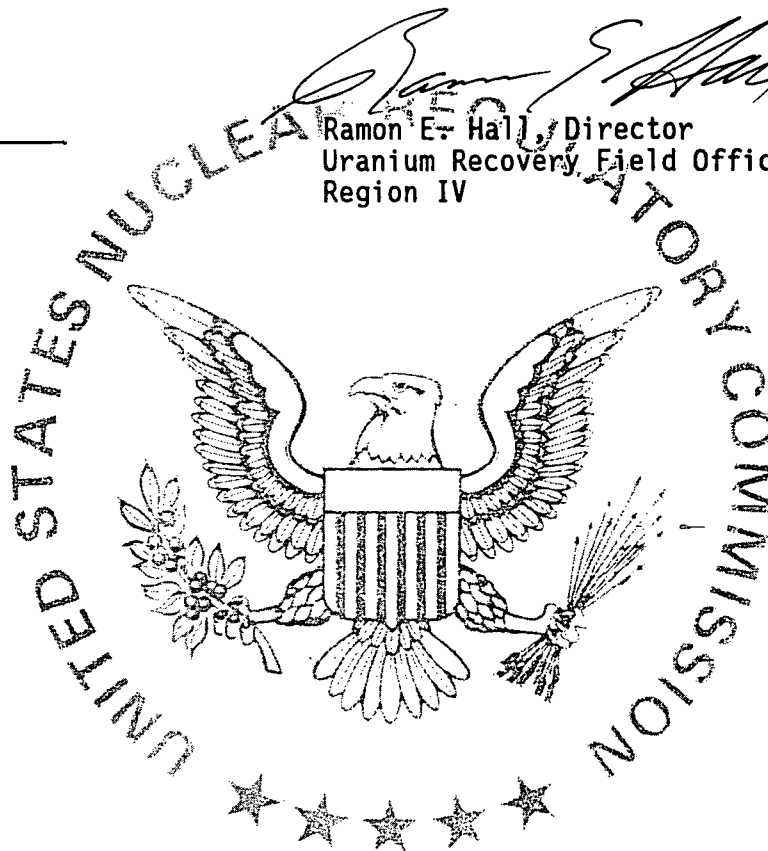
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areal extent and concentration of hazardous constituents and estimates of the time needed to obtain compliance, shall be submitted to the NRC annually. Modifications developed in the system, if any, shall be described in each annual report. [Applicable Amendments: 3]

FOR THE NUCLEAR REGULATORY COMMISSION

Dated APR 18 1994

*Ramon E. Hall*  
Ramon E. Hall, Director  
Uranium Recovery Field Office  
Region IV



ATTACHMENT 2



U.S. NUCLEAR REGULATORY COMMISSION

Revision 2  
October 1982

# REGULATORY GUIDE

OFFICE OF NUCLEAR REGULATORY RESEARCH

## REGULATORY GUIDE 3.8

### PREPARATION OF ENVIRONMENTAL REPORTS FOR URANIUM MILLS

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#### USNRC REGULATORY GUIDES

Regulatory Guides are issued to describe and make available to the public methods acceptable to the NRC staff of implementing specific parts of the Commission's regulations, to delineate techniques used by the staff in evaluating specific problems or postulated accidents, or to provide guidance to applicants. Regulatory Guides are not substitutes for regulations, and compliance with them is not required. Methods and solutions different from those set out in the guides will be acceptable if they provide a basis for the findings requisite to the issuance or continuance of a permit or license by the Commission.

This guide was issued after consideration of comments received from the public. Comments and suggestions for improvements in these guides are encouraged at all times, and guides will be revised, as appropriate, to accommodate comments and to reflect new information or experience.

Comments should be sent to the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Docketing and Service Branch.

The guides are issued in the following ten broad divisions:

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1. Power Reactors                 | 6. Products                       |
| 2. Research and Test Reactors     | 7. Transportation                 |
| 3. Fuels and Materials Facilities | 8. Occupational Health            |
| 4. Environmental and Siting       | 9. Antitrust and Financial Review |
| 5. Materials and Plant Protection | 10. General                       |

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## INTRODUCTION

### 1. National Environmental Goals

Prior to the issuance of a license authorizing uranium milling activities, the Nuclear Regulatory Commission (NRC) is required to assess the potential environmental effects of the proposed activities in order to ensure that issuance of the license will be consistent with the national environmental goals. In order to obtain information essential for this assessment, the Commission requires each applicant for a license to submit a report on the potential environmental impact of the proposed uranium mill and related activities.

The national environmental goals are expressed by the National Environmental Policy Act (NEPA) of 1969 (Public Law 91-190, 83 Stat. 852), as follows:

"...it is the continuing responsibility of the Federal Government to use all practicable means, consistent with other essential considerations of national policy, to improve and coordinate Federal plans, functions, programs, and resources to the end that the Nation may--

"(1) fulfill the responsibilities of each generation as trustee of the environment for succeeding generations;

"(2) assure for all Americans safe, healthful, productive, and esthetically and culturally pleasing surroundings;

"(3) attain the widest range of beneficial uses of the environment without degradation, risk to health or safety, or other undesirable and unintended consequences;

"(4) preserve important historic, cultural, and natural aspects of our national heritage, and maintain, wherever possible, an environment which supports diversity and variety of individual choice;

"(5) achieve a balance between population and resource use which will permit high standards of living and a wide sharing of life's amenities; and

"(6) enhance the quality of renewable resources and approach the maximum attainable recycling of depletable resources."

In addition to NEPA, the Atomic Energy Act of 1954, and the Energy Reorganization Act of 1974, numerous other pieces of legislation and implementing regulations, both Federal and State, may affect the siting and operation of uranium mills. Some of these laws, such as the Endangered Species Act of 1973, require the NRC to determine acceptability of the mill site and operation. Compliance with other laws such as the Federal Water Pollution Control Act must be merely reported to the NRC.

No attempt is made in this guide to discuss any of these requirements in detail. The applicant should make an independent determination of those statutes and regulations that may affect the proposed mill. Early consultation with the NRC staff is encouraged to determine the applicability of environmental requirements in specific instances.

## 2. Applicant's Environmental Reports

10 CFR Part 51, "Licensing and Regulatory Policy and Procedures for Environmental Protection," § 51.40, "Environmental Reports," requires that each applicant for a license authorizing uranium milling submit 15 copies of a separate document, "The Applicant's Environmental Report," with the license application. The applicant must retain an additional 110 copies of the environmental report for distribution to Federal, State, and local officials in accordance with written instructions issued by the NRC's Director of the Office of Nuclear Material Safety and Safeguards. The applicant's environmental reports are important documents of public record. Therefore, the applicant is urged to give full attention to their accuracy and completeness.

The environmental report must discuss the following environmental considerations:

- a. The environmental impact of the proposed action,
- b. Any adverse environmental effects that cannot be avoided should the proposal be implemented,
- c. Alternatives to the proposed action,
- d. The relationship between local short-term uses of the human environment and the maintenance and enhancement of long-term productivity, and
- e. Any irreversible and irretrievable commitments of resources that would be involved in the proposed action should it be implemented.

The discussion of alternatives to the proposed action in the environmental report must be sufficiently complete to aid the Commission in developing and exploring, pursuant to Section 102(2)(D) of the National Environmental Policy Act, "...appropriate alternatives...in any proposal which involves unresolved conflicts concerning alternative uses of available resources."

Under § 51.20, "Applicant's Environmental Report -- Construction Permit Stage," the environmental report must also include a benefit-cost analysis that considers and balances the environmental effects of the facility and the alternatives available for reducing or avoiding adverse environmental effects, as well as the environmental, economic, technical, and other benefits of the facility. The benefit-cost analysis must, to the fullest extent practicable, quantify the various factors considered. To the extent that such factors cannot be quantified, they must be discussed in qualitative terms. The environmental report should contain sufficient data to aid the Commission in its development of an independent benefit-cost analysis covering the factors specified.

The environmental report must further include a discussion of the status of compliance of the facility with applicable environmental quality standards and requirements that have been imposed by Federal, State, and regional agencies having responsibility for environmental protection. In addition, the environmental impact of the facility should be fully discussed with respect to matters covered by such standards and requirements irrespective of whether a certification from the appropriate authority has been obtained (including, but not limited to, any certification obtained pursuant to Section 401 and any discharge permit obtained pursuant to Section 402 of the Federal Water Pollution Control Act, as amended). While compliance with NRC standards and criteria pertaining to radiological effects will be necessary to meet the licensing requirements of the Atomic Energy Act, the benefit-cost analysis for the purposes of the National Environmental Policy Act must consider the radiological effects together with a broad range of other environmental effects of the facility.

### 3. Preparation of Environmental Reports

#### a. Purpose of This Guide

The Commission's regulations in 10 CFR Part 51 provide only general information concerning the content of an applicant's environmental report. This guide has been prepared to provide specific and detailed guidance for the preparation of environmental reports for uranium mills. Where appropriate, similar information should also be provided for support or ancillary facilities (e.g., heap leach and ion exchange facilities) both within and outside the mill site boundary.

The guide identifies information needed by the NRC staff to assess the potential environmental effects of the proposed uranium mill and directly associated mining activities and establishes a format acceptable to the staff for its presentation. Conformance with this standard format, however, is not required. Use of the format of this guide will help ensure the completeness of the information provided, will assist the NRC staff and others in locating the information, and will aid in shortening the time needed for the review process.

The environmental report and the application, as discussed in Regulatory Guide 3.5, "Standard Format and Content of License Applications for Uranium Mills," should be submitted together. These documents provide the basis for the licensing action on the facility.

#### b. Scope of This Guide

In order to cover a wide variety of anticipated situations, the scope of this guide is comprehensive. In some instances, requests for specific information may not be applicable to a particular mill or site. The applicant should identify those areas where the information requested is not relevant to the particular mill under consideration. If any topics in this guide relate to information not available at the time the report is prepared, the applicant should indicate when the information will be available.

c. Presentation of Information

The applicant should strive for clear, concise presentation of the information provided in the environmental report. Each subject should be treated in sufficient depth and with sufficient documentation\* to permit the Commission to evaluate the extent of the environmental impact independent of the applicant's analysis.

When an evaluation of information or data is necessary to show compliance with a regulation, the applicant should clearly state the conclusion of the evaluation and present the analyses and supporting data in sufficient detail to permit an independent reviewer to verify this result. Tables, line drawings, and photographs should be used wherever they contribute to the clarity and brevity of the report. The number of significant figures stated in numerical data should reflect the accuracy of the data. Descriptive and narrative passages should be concise. In cases where test results are needed to support conclusions, test data, procedures, techniques, and equipment used to perform tests should be included.

Pertinent published information relating to the site, the mill, and its surroundings should be referenced. Where published information or assumptions are essential to evaluate specific environmental effects of the proposed activities, they should be included in summary or verbatim form in the environmental report or as an appendix to the report.\*\*

Some of the information that should be included in the environmental report may have already been prepared by the applicant during preparation of the license application for the proposed mill. In such cases, this information (whether in the form of text, tables, or figures) should be incorporated in the environmental report, where appropriate, to provide a complete document.

The site for the mill may also be the site of the mine. If there is a proposed mine adjacent to or in the vicinity of the mill site, the applicant should consider the cumulative or synergistic effects of directly associated mining activities when preparing the environmental report relating to such a mill.

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\* Documentation as used in this guide means information, supporting data, and statements and includes (1) references to published information, (2) citations from the applicant's experience, and (3) reference to unpublished information developed by the applicant or the applicant's consultants. Statements not supported by documentation should be identified either as information for which documentation is not available or as expressions of belief or judgment.

\*\* The distinction between pertinent and essential hinges on the effect that the information may have in the review of potential impacts to public health and safety and the environment. Useful information that is not likely to impact public health and safety or the environment is pertinent. However, information that may reasonably be necessary for the review to ensure protection of public health and safety and the environment is essential.

## CHAPTER 1. PROPOSED ACTIVITIES

This chapter of the environmental report should discuss the proposed project and the activities to be conducted as a result of the project. For example, the applicant should address such matters as ore reserves, ore-body locations, anticipated quantity of ore to be mined and milled, mining methods, plans for overburden storage and disposal, ore transport, milling processes, plans for tailings disposal and management, transport of product, operating plans and schedules, expected longevity of the project,  $U_3O_8$  content of the ore, ore processing rate, concentrate yield, planned end use of the project areas, and surety arrangements for the eventual decommissioning of the mill and reclamation of the areas impacted.



## CHAPTER 2. THE SITE

This chapter should present the basic relevant information concerning those physical, biological, human, and social characteristics of the area potentially affected by the proposed project that might be affected by the construction and operation of a uranium milling project and its associated activities in the region. To the extent possible, the information presented should reflect observations and measurements made over periods of time sufficient to allow defensible conclusions to be reached.

### 2.1 Site Location and Layout

A map should be provided that shows the site and its location with respect to State, county, and other political subdivisions. On detailed maps, show the location of the boundary of the proposed restricted area (10 CFR Part 20); the applicant's property; adjacent properties, including water bodies, wooded areas, and farms; nearby settlements; industrial plants, parks, and other public facilities; and transportation links (railroads, highways, waterways). Indicate total acreage owned or leased by the applicant and that part occupied by or which will be modified for the mine and mill. Indicate other existing and proposed uses of applicant's property and the acreage devoted to these uses.

Describe any plans for site modifications such as a visitors' center. A contour map of the site should also be supplied with elevation contours of an interval suitable to show significant variations of the site environs and drainage gradients. In addition, indicate if the site is in the vicinity of a flood plain. This information should be supplied as separate maps, if required, for clarity.

### 2.2 Uses of Adjacent Lands and Waters

Indicate, within an 8-km (5-mi) radius, the nature and extent of present and projected land use (e.g., agriculture, livestock raising, dairies, pasturelands, residences, wildlife preserves, sanctuaries, hunting areas, industries, recreation, transportation) and any recent trends such as major or unexpected changes in population or industrial patterns. Note whether any other nuclear fuel cycle facilities are located or are proposed within an 80-km (50-mi) radius of the site.

Provide in tabular form for each of the 22-1/2-degree sectors centered on one of the 16 compass points, i.e., north, north northeast, etc., the distances [to a distance of 8 km (5 mi)] from the center of the site to the following:

1. Nearest cattle (or other meat animals) grazing on natural forage, with types and numbers of animals specified.
2. Nearest game animals consumed by sportsmen.
3. Nearest residence.

4. Nearest site boundary.
5. Nearest vegetable garden larger than 50 m<sup>2</sup> (60 yd<sup>2</sup>) in area. The type of crop and amounts produced should be noted.

Where possible, the applicant should provide specific information on actual consumption of the meat from cattle and game animals.

Provide data on annual production and distribution of meat (kg) and truck farming produce (kg) within an 80-km (50-mi) radius from the proposed facility. Provide information on grazing season (months of year) and feeding regimens for cattle. Agricultural production, crop yield, grazing, and feeding data may be obtained from sources such as local, State, and Federal agricultural agencies, agricultural agents, and other reliable sources.

Identify the location, nature, and amounts of present and projected surface and ground-water use (e.g., water supplies, irrigation, reservoirs, recreation, and transportation) within 16 km (10 mi) of the site and the present and projected population (during the active life of the mill) associated with each use point, where appropriate.

Data on both present and projected future water use should be summarized and tabulated; users should be located on maps of legible scale. Tabulations should include:

1. Location: Include symbols shown on maps identifying the location of water users. Provide map coordinates if appropriate.
2. Distance from mill.
3. Withdrawal rate: Provide present and projected withdrawal rate (in liters per second or cubic meters per second) for each water use.
4. Return rates: Provide present and projected return rates (in liters per second or cubic meters per second), if appropriate.
5. Type of water use: Provide type of water use for each location, e.g., municipal, industrial, irrigation, stock/game watering.
6. In addition, for ground-water use: Indicate depth of wells, ground-water elevation, and drawdown rates and characterize the use of each aquifer.
7. Source and projection of water-use estimates: Where use rates are anticipated to change over the life of the project and beyond, indicate projections and the source of the projection information. Sources for such projections may be available from users or planning agencies at different levels of government.

For items 3 and 4 above, if use varies significantly seasonally, indicate monthly values.

Provide data on the annual recreational and commercial fish catch from waters within an 8-km (5-mi) radius of the site. Report the catch by principal

species, location, and amount used for human consumption (note amounts consumed locally).

### 2.3 Population Distribution

Population data presented should be based on the most recent census data. On a map of suitable scale that identifies places of significant population grouping, such as cities and towns, within an 80-km (50-mi) radius, concentric circles should be drawn with the mill at the center point, at distances of 0.1, 0.5, 1.0, 2.0, 3.0, 4.0, 5.0, 10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0 and 80.0 kilometers. The circles should be divided into 22-1/2-degree sectors with each sector centered on one of the 16 compass points (with reference to true north, i.e., north-northeast, northeast, etc.). A table (see table in Appendix A) appropriately keyed to the map should provide the current residential population within each area for the expected first year of mill operation and census years through the anticipated life of the mill. The tables should provide separate and cumulative population totals for each sector and annular ring. Distance to the nearest residence should be noted for each sector. The basis for population projections should be described.

Descriptive material should include tables giving the population of neighboring schools, plants, hospitals and residential areas within 8 km (5 mi). Visitor statistics for such areas as sports facilities, residential areas, and parks within 8 km (5 mi) of the project site(s) should also be included.

### 2.4 Regional Historic, Archeological, Architectural, Scenic, Cultural, and Natural Landmarks

Areas valued for their historic, archeological, architectural, scenic, cultural, or natural significance may be affected. The environmental report should include a brief discussion of the historic, scenic, archeological, architectural, cultural, and natural significance, if any, of the mill site and nearby areas with specific attention to the sites and areas listed in the National Registry of Natural Landmarks and properties included in or eligible for inclusion in the National Register of Historic Places.

The National Registry of Natural Landmarks appears in 37 FR 1496. The National Register of Historic Places is published annually in the Federal Register. General guidance on the treatment of historic, archeological, architectural, and cultural features can be obtained by reference to the Advisory Council on Historic Preservation Regulations, 36 CFR Part 800, "Protection of Historic and Cultural Property," and by consulting the Cultural Programs Division of the nearest regional office of the National Park Service and the relevant State Historic Society or its equivalent.

The applicant should submit a copy of the report on the archeological and historical artifact survey of the proposed site and of any areas to be disturbed by mill related activities. With respect to Indian lands, this survey should be performed with special attention to sacred areas and other special features uncovered from the oral history of the appropriate Indian tribe(s).

The environmental report should identify those properties included in or eligible for inclusion in the National Register of Historic Places located within the area of the project's potential environmental impact. Also, the

applicant should discuss its consultation with the appropriate State Historic Preservation Officer concerning the identification of properties included in or eligible for inclusion in the National Register of Historic Places. The environmental report should contain evidence of this contact with the Historic Preservation Officer for the State involved, including a copy of the Officer's comments concerning the effect of the undertaking on historic, archeological, architectural, and cultural resources.

State whether new roads, pipelines, and utilities connected with the proposed mill will pass through or near any area or location of known historic, scenic, cultural, natural, archeological, or architectural significance.

## 2.5 Geology and Soils

Describe the major geological and soils aspects of the site and its environs. The discussion should note the stratigraphy, structure, and tectonic history. Comment on regional continuity, faulting, dip, and strikes of water-bearing formations that will be affected. An inventory of economically important minerals and energy-related deposits, in addition to the uranium ore, should be included. Any unique mineralogical or paleontological deposits of particular scientific interest should also be noted. Any effect that planned operations might have on the future availability of other mineral resources should be noted.

Detailed geological data at building sites and in the vicinity of tailings or other effluent impoundments, sanitary landfills, spoil disposal areas, and sewage disposal facilities should be included. These data should include strike and dip and lateral and vertical distribution of permeable layers, shales, and clays, and data on any fault, fracture, or joint pattern that may exist. Locations of local outcroppings where seepage from landfills, dumps, impoundments, and sewage facilities is likely to occur should be noted.

The location of ground water with respect to tailings disposal areas, spoil dumps, liquid impoundments, sanitary landfills, and sewage disposal facilities is important for the assessment of possible ground-water contamination. The discussion should include a statement concerning the hydraulic properties (such as permeability and porosity) of the materials between the ground water and these facilities.

## 2.6 Seismology

Discuss the seismicity (including history) of the region. Where possible, associate seismic events with tectonic features identified in the geology discussion. Furnish a regional earthquake epicenter map showing site location.

## 2.7 Hydrology

The effects of mine, mill, and other project facilities construction and operation on adjacent surface and ground waters are of prime importance. The applicant should describe, in quantitative terms, the physical, chemical, biological, radiological and hydrological characteristics, the typical seasonal ranges and averages, and the historical extremes for surface- and ground-water bodies. Information relating to water quality characteristics should include measurements made on or in close proximity to the site.

Information should be presented in sufficient detail to allow an independent staff review of the effects of construction and operation on both resources. Data should be presented in metric units as specified by the U.S. Geological Survey.\*

### 2.7.1 Ground Water

Describe the hydrology of the region that affects the local ground-water aquifers, formations, sources, and sinks. Describe the recharge potential of the immediate plant area, including vertical and horizontal permeabilities of the natural and modified terrain, as well as that of tailing disposal areas. Indicate gradients and seasonal variations in ground-water levels beneath the site. Furnish sufficient site-specific data for the evaluation of the effects of construction and operation of the facility on established ground-water tables and usage. This is especially important for consideration of dewatering operations in associated mines.

Descriptions of the major aquifers in the area should include piezometric contour maps, hydraulic gradients, permeabilities for representative geologic features, total and effective porosities, bulk density estimates, storage coefficients, dispersion and distribution (sorption) coefficients, descriptions of pertinent geologic formations and soil types, including formation depth throughout the site and to the nearest downgradient well or water body, chemical and radiological properties, and time histories of ground-water fluctuations.

The applicant should provide data concerning any drawdown of ground water that may be caused by withdrawals from neighboring major industrial, agricultural, or municipal wells.

### 2.7.2 Surface Water

Describe the location, size, shape, and other hydrologic characteristics of water bodies in the environs of the site. Surface-water descriptions for receiving streams should include the channel shape, slope, roughness coefficient, sediment concentrations (suspended), flow records (at nearest gauges), and dispersion coefficients; for ponds and lakes the geometry of the bed, wind currents, and suspended solids (sediment) concentration.

Include a description of upstream and downstream river control structures, and provide a topographic map showing the major hydrologic features.

## 2.8 Meteorology

This section should provide a description of the meteorological diffusion characteristics of the site and its surrounding area. The description should include the use of data collected for at least one annual cycle from an onsite or nearby local meteorological station, plus examination of additional regional meteorological information. Sufficient data should be included to permit

\*A. M. Orellama and S. M. Lang, "Conversion Factors: SI Metric and U.S. Customary Units," U.S. Geological Survey, Branch of Distribution, 1200 S. Eads St., Arlington, Virginia 22202.

independent staff evaluation and assessment of atmospheric diffusion characteristics.

The following data concerning site meteorology from meteorological measurements taken onsite and at nearby representative stations should be presented:

1. Quarterly and annual wind rose presentation for the 16 compass directions.
2. Quarterly and annual wind speed, wind direction, and atmospheric stability data in joint frequency form at heights representative of effluent releases.
3. Total precipitation and evaporation by month.

This information should be fully documented as to validity of its representation of expected long-term conditions at and near the site.

Present the joint wind speed-stability-direction frequencies (in item 2 above) in tabular form, giving the frequencies as fractions when using 5-year National Weather Service summaries or as number of occurrences when using only 1 or 2 years of onsite data. The data should be presented for each of the 16 compass directions, and the stability categories should be established to conform as closely as possible with those of Pasquill.\* In addition, the annual average inversion height should be provided from other nearby weather stations.

Guidance on acceptable onsite meteorological measurements and data format for nuclear reactors is presented in Regulatory Guide 1.23, "Onsite Meteorological Programs." Staff guidance should be requested for adaptation of relevant portions of this document to the specific mill project. See Appendix A of this regulatory guide for appropriate format for meteorological data.

In addition, this section should provide a discussion of general climatology, the existing levels of air pollution and their effects on site operations, the relationship of the meteorological data gathered on a regional basis to local data, the impact of the local terrain and large lakes and other bodies of water on meteorological conditions in the area, and the occurrence of severe weather in the area and its effects. Data on diurnal and monthly averages and extremes of temperature and humidity should also be provided.

## 2.9 Ecology

In this section, the applicant should describe the biota (both flora and fauna) in the vicinity of the site, their habitats, and their distribution. This initial inventory should reveal certain organisms which, because of their importance to the community, should be given specific attention. A species is "important" (for the purposes of this guide) if a specific link exists between the facility and the species and if one or more of the following criteria applies: (a) the species is commercially or recreationally valuable, (b) the

\*F. Pasquill, "The Estimation of Windborne Material," Meteorological Magazine, Vol. 90, pp. 33-49, 1961.

species is threatened or endangered,\* (c) the species affects the well-being of some important species within criteria (a) or (b), or (d) the species is critical to the structure and function of the ecological system or is a biological indicator of radionuclides or chemical pollutants in the environment.

The information should be presented in two separate subsections: "Terrestrial Ecology" and "Aquatic Ecology." The sources of information should be identified. As part of this identification, present a list of pertinent published material dealing with the ecology of the region. Locate and describe any ecological or biological studies of the site or its environs currently in progress.

The initial inventory should establish the identity of the majority of terrestrial and aquatic organisms on or near the site and their relative (qualitative) abundances. The applicant should identify the "important" species from this list and discuss in detail their number and geographic distribution. The discussion should include species that migrate through the area or use it for breeding grounds. Special attention should be given to the relative importance of the site area as compared to the total regional ecosystem (potential or exploited). Any additional inventories should be reserved for those species identified as critical.

The applicant should provide data on the count and distribution of important domestic fauna, in particular, cattle, sheep, and other meat animals that may be included in the biological pathway that ultimately could involve the exposure of humans to radionuclides. Important game animals should receive similar treatment. A description of marketing or consumption patterns for livestock or game should also be submitted, including livestock consumed by families with grazing rights in the mill vicinity and the extent of sales to local or national markets. A map that shows the distribution of the principal flora communities should be provided. These plant communities should be characterized by predominant species, successional stage, percent ground cover and annual yield (in animal unit months or other acceptable units).

The discussion of species-environment relationships should include descriptions of area usage (e.g., habitat, breeding, etc.) for important species; it should include life histories of important regional animals and aquatic organisms, their normal seasonal population fluctuations, and their habitat requirements; and it should include identification of food chains and other interspecies relationships, particularly when these may contribute to predictions or evaluations of the impact of the facility on the regional biota.

Information on the soils of the project area(s) should include soil map(s), details of the physical and chemical characteristics of typical soil profiles with respect to potentially toxic elements and compounds, and land capacity

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\* In the writing and reviewing of environmental reports, specific consideration should be given to possible impact on any species (or its habitat) that has been determined by the Secretary of the Interior and the Secretary of Commerce to be endangered or threatened with endangerment. New terminology defining "endangered or threatened with endangerment" has been promulgated in Public Law 93-205, 87 Stat. 884.

classification. The site(s) soils should be evaluated with respect to suitability as sources of topsoil materials during the period of interim stabilization and final reclamation.

Identify any definable preexisting environmental stresses from sources such as pollutants, as well as pertinent ecological conditions suggestive of such stresses. The status of ecological succession should be described. Discuss the histories of any infestations, epidemics, or catastrophes that have had a significant impact on regional biota.

#### 2.10 Background Radiological Characteristics

Regional radiological data should be reported, including both natural background radiation levels and results of measurements of concentrations of radioactive materials occurring in important biota, in soil and rocks, in air, and in regional surface and local ground waters. These data, whether determined during the applicant's preoperational surveillance program (see Section 6.1.5) or obtained from other sources, should be referenced.

#### 2.11 Background Nonradiological Characteristics

Regional nonradiological characteristics, particularly those that are similar to expected site-related effluents, should be reported. Data should include such parameters as heavy metals and other potentially toxic substances, atmospheric pollutants, and dusts that could affect water or air quality. Other regional sources of these same materials should be noted along with a discussion of the possible contribution to levels found at the facility site.

#### 2.12 Other Environmental Features

For certain sites, some relevant information on the mill or mine environs may not clearly fall within the scope of the preceding topics. Submission of additional information may be appropriate with respect to some environmental features in order to reflect the value of the site and site environs to important segments of the population. Such information should be included here.



## CHAPTER 3. THE MILL AND MINE(S)

The operating mill and any directly associated mine(s) adjacent to or in the vicinity of the mill should be described in this chapter. The mill and mine effluents and related systems that interact with the environment should be described in detail sufficient to allow the reviewer to independently assess the combined environmental effects presented in this chapter of the environmental report.

### 3.1 Site\* Area

A map of the site area should be included; it should clearly show the following:

1. The location of the site boundary.
2. The location and orientation of principal structures within the site area. Principal structures should be identified as to function, e.g., mines, ore crushing structures, chemical separation and storage, ore stock piles, waste rock dumps, tailings disposal areas, retention and settling ponds, explosive magazines, housing areas, administration buildings, yellowcake storage areas, parking lots.
3. The boundary lines of any restricted areas, access to which are to be controlled by fences or other means.
4. A scale that will permit the measurement of distances with reasonable accuracy.
5. True north.

### 3.2 External Appearance of Mill

The building layout and plant profile should be shown to scale by line drawings or other illustrative techniques. The architectural design and efforts to make the structures and grounds esthetically pleasing should be noted.

### 3.3 Mill Circuit

The entire mill process or circuit should be quantitatively and qualitatively described in sufficient depth to permit confirmation of the quantities and constituents of all gaseous, liquid, and solid wastes and effluents generated in the process. The following should be included:

1. A flow diagram of the process or circuit.
2. A material balance diagram.

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\* Site means the contiguous real estate on which the mine and mill are located.

3. Description of any water recycle systems.
4. Water balance diagram for the entire mining/milling project.

#### 3.4 Sources of Mill Wastes and Effluents

Clearly identify the location of release points for all gaseous (include stack heights), liquid, and solid wastes and effluents, including bulk storage locations, i.e., piles of ore or tailings or overburden dumps. Specify quantities, concentrations, and physical, chemical, and radiological characteristics of all materials released. Average and maximum release rates should be included plus all pertinent supporting information such as assumptions and computational methods used. The quantities and concentrations of radioactive and nonradioactive materials that will be released into the environs should be compared with State and other applicable standards.

Suggested formats for supplying this material on radioactive emissions are included as Appendix B of this guide. The tables supplied by the applicant should not be limited to the examples listed, however.

#### 3.5 Controls of Mill Wastes and Effluents

Provide a description of mill waste and effluent control systems and equipment for minimizing to as low as is reasonably achievable the quantities of materials released into the environment. Identify the operating efficiency of such systems and equipment in relation to current best methods for controlling milling wastes and effluents. Also, identify the factors that affect these efficiencies, and describe the operating practices to be pursued during the life of the proposed project.

For waste retention systems, a design analysis of the integrity of the proposed systems should be provided. This should include:

1. Drawings showing the layout in plan, typical cross sections of all embankments showing proposed design and, if applicable, anticipated future extensions, and other pertinent design details. Embankment designs should include information on heights, top width, side slopes, freeboard, seepage control, and protection of embankment surfaces as well as foundation design. See Regulatory Guide 3.11, "Design, Construction, and Inspection of Embankment Retention Systems for Uranium Mills."
2. The results of soil tests, geologic exploration, foundation materials stability investigations, as well as characteristics of fill material and a description of the construction methods and specifications.

#### 3.6 Sanitary and Other Mill Waste Systems

Describe any other nonradioactive solid or liquid waste materials, such as sanitary, laundry, and chemical laboratory wastes that may be generated during operation. Describe the manner in which they will be treated and controlled, and describe procedures for disposal.

Means for control and treatment of all systems subject to effluent limitation guidelines and standards of performance under the Federal Water Pollution Control Act (FWPCA) should be described.

The applicant should (a) describe any other airborne effluents (e.g., from diesel engines, gas turbines, heating plants, incinerators) created during project operation, (b) estimate the frequency of release and describe how they will be treated before release to the environment, and (c) estimate the total quantity of pollutants to be discharged annually.

### 3.7 Mining Activities

This portion of the report should contain a thorough description of the interrelated mining activities including:

1. Topographical maps showing locations and areas to be mined and haulage and access roads.
2. A description of the mining method(s) to be employed, including any dewatering activities and associated effluents.
3. A description of the method(s) for accumulating and storing wastes in order to minimize esthetic and other effects.
4. Identification and source terms of all sources of effluents associated with mining activities (e.g., radon and particulate emissions, dust from haulage, storage activities), including release rates and concentrations and their physical and chemical characteristics.
5. A description of methods to minimize and control releases of effluents into the environs.
6. Any other information that might be helpful in assessing the environmental effects connected with the mining project.

## CHAPTER 4. ENVIRONMENTAL EFFECTS OF SITE PREPARATION, MILL CONSTRUCTION, AND MINE OPENING

The construction of a uranium mill and the openings of related mines will inevitably affect the environment; some of the effects will be adverse and some may be beneficial. Effects are considered adverse (1) if environmental change or stress causes a valuable or otherwise important biotic population or natural resource to be less safe, less healthy, less abundant, less productive, or less esthetically or culturally pleasing; (2) if the change or stress reduces the diversity and variety of individual choice, the standard of living, or the extent of sharing of life's amenities; or (3) if the change or stress tends to lower the quality of renewable resources or to impair the recycling of depletable resources.

In the applicant's discussion of adverse environmental effects, it should be made clear which of these adverse effects are considered unavoidable and subject to later amelioration and which are regarded as unavoidable and irreversible. Those effects that represent an irretrievable commitment of resources should receive detailed consideration in Section 4.2. In the context of this discussion, "irretrievable commitment of resources" alludes to natural resources and means a permanent impairment of these, e.g., loss of wildlife habitat; destruction of nesting, breeding, or nursing areas; interference with migratory routes; loss of valuable or esthetically treasured natural areas; and use of nonrenewable resources.

### 4.1 Site Preparation and Construction

The applicant should organize the discussion in terms of the effects of site preparation (including mine opening) and mill construction on both land use and water use. The applicant should consider consequences to both human and wildlife populations and indicate which are unavoidable and irreversible according to the categorization set forth above.

In the land-use discussion, describe how construction activities may disturb the existing terrain and wildlife habitats. Consider the effects of such activities as creating building material supply areas; building temporary or permanent roads, bridges, or service lines; disposing of trash; excavating; and land filling. Provide information bearing on such questions as what is the total number of acres disturbed, at which locations, over what time periods, will there be dust or smoke problems, what type and amount of explosives will be used, where, and how often.

Indicate proximity of human populations and identify undesirable impacts on their environment arising from noise, disruption of stock grazing patterns, inconvenience because of the movement of people, material, machines, including activities associated with any provision of housing, transportation, and educational facilities for workers and their families. Describe any expected changes in accessibility of historical and archeological sites in the region. Discuss measures designed to mitigate or reverse undesirable effects, such as erosion control, dust stabilization, landscape restoration, control of truck traffic, and restoration of affected habitats.

The discussion should also include any effects of site preparation and construction activities whose consequences may be beneficial to the region.

The discussion of water use should describe the impact of site preparation and construction activities on area water sources. Such activities would include mine dewatering, diversion of streams, and placement of fill material in water. The applicant should describe the effects of these activities on fish and wildlife resources, water quality, water supply, downstream use of water, and esthetics, as applicable. Describe measures to control pollution to mitigate undesirable effects and improve habitats.

#### 4.2 Resources Committed

Discuss any irreversible and irretrievable commitments of resources (e.g., commitment of land, consumptive water use, and destruction of biota) that are expected should site preparation and mine opening and mill construction proceed. Such use should be evaluated in terms of its relative and long-term net impacts, as well as its absolute impacts. (See Section 5.6 of this guide for more detailed consideration.)

## CHAPTER 5. ENVIRONMENTAL EFFECTS OF MILLS AND MINE OPERATION

This chapter should describe the interaction of the mill and mine (discussed in Chapter 3) and the environment (discussed in Chapter 2) during the operating phase of the project. To the extent possible, material presented in Chapters 2 and 3 does not need to be repeated. Measures planned to reduce any undesirable effects of the total project on the environment should be described in detail.

In the discussion of environmental effects, as in Chapter 4, effects that are considered unavoidable but either inherently temporary or subject to later amelioration should be clearly distinguished from those regarded as unavoidable and irreversible. Those effects that represent an irretrievable commitment of resources should receive detailed consideration in Section 5.6.

The impacts of operation of the proposed activity should be, to the fullest extent practicable, quantified and systematically presented. In the discussion of each impact, the applicant should make clear whether the supporting evidence is based on theoretical, laboratory, onsite, or field studies undertaken on this or on previous occasions. The source of each impact (the plant subsystem, waste effluent) and the population or resource affected should be made clear in each case. The impacts should be distinguished in terms of their effects on surface water bodies, ground water, air, land, land use, ecological systems, and important plants and animals.

Finally, the applicant should discuss the relationship between local short-term uses of the human environment and the maintenance and enhancement of long-term productivity. As used in this guide, "short-term" refers to the operating life of the proposed facility and "long-term" refers to time periods extending beyond this life. The applicant should assess the action for cumulative and projected long-term effects from the point of view that each generation is trustee of the environment for each succeeding generation.

Principal parameters for the assessment of radiological impacts from proposed activities should be presented in the format of Appendix B.

### 5.1 Radiological Impact on Biota Other Than Humans

In this section the applicant should consider the impact on biota other than humans attributable to the release of radioactive or chemical materials from the facility. The biota to be considered are those species of local flora and local and migratory fauna defined as "important" in Section 2.9. Since the region may contain many important species, the applicant should concentrate any efforts on those important species whose terrestrial and aquatic habitats provide the highest potential for radiation exposure.

#### 5.1.1 Exposure Pathways

The various possible pathways for radiation exposure of the important local flora and local and migratory fauna should be identified and described in textual and flow-chart format. The pathways should include the important

routes of radionuclide translocation (including food chains leading to important species) to organisms or sites.

#### 5.1.2 Effluents in the Environment

In Sections 3.4 and 3.7, the radionuclide and chemical concentrations in the liquid and gaseous effluents discharged from the site are listed. In this section, the applicant should consider how these effluents are quantitatively distributed in the environment. Specifically, estimates should be provided for the concentration (a) in any water sources, (b) on land areas, and (c) on vegetation (on a per unit area basis) in the environs.

If there are other components of the physical environment that may become contaminated and thus result in the exposure of living organisms to radiation, they should be identified and their radioactivity burden estimated. In addition, information concerning any cumulative buildup of radionuclides in the environment should be presented and discussed. A summary of data, assumptions, and models used in determining radioactivity concentrations and burdens should be provided.

From considerations of the exposure pathways and the distribution of radioactivity released into the environs, the applicant should estimate the maximum radionuclide concentrations that may be present in important local flora and local and migratory fauna. Values of bioaccumulation factors used in preparing the estimates should be based on site-specific data if available; otherwise, values from the literature may be used. The applicant should tabulate and reference the values of bioaccumulation factors used in the calculations.

### 5.2 Radiological Impact on Humans

In this section the applicant should consider the radiological effects of operations and transportation of radioactive materials on human beings. Estimates of the radiological impact on humans via various exposure pathways should be provided.

#### 5.2.1 Exposure Pathways

The various possible pathways for radiation exposure of humans should be identified and described in textual and flow chart format.

Discuss any exposure pathways, if they exist, involving radionuclide accumulation in specific components of the environment.

#### 5.2.2 Liquid Effluents

Estimate the expected annual average concentrations of radioactive nuclides (listed in Sections 3.4 and 3.7) in receiving water at locations where water is consumed or otherwise used by human beings or where it is inhabited by biota of significance to human food chains. Specify the dilution factors used in preparing the estimates and the locations where the dilution factors are applicable. Consideration should be given to the absence of mixing and dilution because of factors such as channeling.

Determine the expected radionuclide concentrations in aquatic and terrestrial organisms significant to human food chains. Use the bioaccumulation factors given in Section 5.1.2 or supply others as necessary.

Using the above information and any other necessary supporting data, calculate the total annual body and significant organ doses (millirems) to individuals in the population (discussed in Section 2.3) from all exposure pathways related to receiving water, i.e., all sources of internal and external exposure. Provide, as an appendix, details of the models and assumptions used in these calculations.

### 5.2.3 Airborne Effluents

From release rates of airborne radioactivity and meteorological data (Sections 3.4, 3.7, and 2.8), estimate total annual body and significant organ doses (millirems) to individuals exposed at the point of maximum ground-level concentrations offsite, individuals exposed at the site boundary in the direction of the prevailing wind, individuals exposed at the site boundary nearest to the sources of emission, and individuals exposed at the residence expected to receive the highest dose commitments. Assume annual average meteorological conditions. Identify locations of points of release (e.g., stacks, roof vents, tailings ponds and beach areas, and ore storage areas) used in calculations.

Estimate deposition of radioactive materials on food crops and pasture grass and any bioaccumulation in the human food chain. Estimate total annual body doses (millirems) and significant annual doses received by other organs via such potential pathways.

Provide an appendix describing the models used in these calculations.

### 5.2.4 Direct Radiation

The applicant should provide an estimate of the maximum annual external dose (millirems) that would be received by an individual at the nearest site boundary from direct radiation. Provide an appendix describing the models and assumptions used in these calculations.

### 5.2.5 Summary of Annual Radiation Doses

The applicant should provide estimates of the maximum annual doses (millirems) that could be received via all pathways by an individual at the site boundary and at the nearest residence.

The applicant should also present a table that summarizes the estimated radiation dose to the regional population (within 80-km) from mill- and mine-related sources using values calculated in previous sections. The tabulation should include (a) the total annual doses (man-rems) to the population (discussed in Section 2.3) from all water-related pathways and (b) the total annual doses (man-rems) to the population attributable to airborne effluents.

## 5.3 Chemical Impacts on Humans

In this section, the specific concentrations of nonradioactive wastes in effluents at the points of discharge should be compared with natural ambient



concentrations without the discharge and also compared with applicable standards. The projected effects of the effluents for both acute and chronic exposure of human beings (including those resulting from any long-term buildup in soils and sediments and in the biota) should be identified and discussed. Dilution and mixing of discharges into the receiving environs should be discussed in detail, and estimates of concentrations at various relevant distances from the point of discharge should be provided that relate to factors such as dilution, habitations, wells, and water intakes. The effects on humans from changes in terrestrial and aquatic environments from chemicals that contaminate ground water should be included.

#### 5.4 Effects of Sanitary and Other Waste Discharges

Describe and discuss the environmental impact associated with sanitary and other mill waste systems discussed in Section 3.6.

#### 5.5 Other Effects

The applicant should discuss any effects of operation that do not clearly fall under any single topic of Sections 5.1 through 5.4. These may include changes in land and water use at the project site, interaction of the facility with other existing or projected neighboring facilities, effect of ground-water withdrawal on ground-water resources in the vicinity of the mine and mill, effects of construction and operation of roads, transmission corridors, and railroads, effects on fish and wildlife resource usage, effects of changes in surface-water availability on biotic populations, and disposal of solid and liquid wastes other than those already discussed.

#### 5.6 Resources Committed

Any irreversible and irretrievable commitment of resources resulting from mine and mill operation should be discussed. This discussion should include both direct commitments, such as depletion of uranium resources; irreversible environmental losses, such as destruction of wildlife habitat; and consumptive water use.

In this discussion, the applicant should consider resources used from the viewpoints of both relative impacts and long-term net effects. As an example of relative impact assessment, the loss of a few animals of a given species could represent quite different degrees of significance, depending on the total population in the immediate region. Such a loss in the case of a small local population, however, could be less serious if the same species were abundant in neighboring regions. Similarly, land use that precludes other highly desirable land uses should be evaluated in terms of the total amount of such land in the environs. These relative assessments should accordingly include statements expressed in percentage terms (a) in which the amount of expected resource loss is related to the total resource in the immediate region and (b) in which the total resource in the immediate region is related to that resource in surrounding regions. The latter should be specified in terms of areas and distances from the site.

## CHAPTER 6. EFFLUENT AND ENVIRONMENTAL MEASUREMENTS AND MONITORING PROGRAMS

The purpose of this chapter is to describe in detail the means by which the applicant collected the baseline data presented in other chapters and to describe the applicant's plans and programs for monitoring the impacts of the proposed activities on the environment.\*

Section 6.1 addresses the measurement of preexisting characteristics of the site and the surrounding region. This program should establish a reference framework for assessing subsequent environmental effects attributable to the proposed activity and for use as baseline reference data at the time of site decommissioning.

The applicant's attention is directed to two considerations pertinent to Section 6.1. First, the term "preexisting" refers to the characteristics of the site prior to any mining-related activities. A given characteristic or parameter may or may not require assessment prior to site disturbance and mill construction, depending on whether that particular characteristic may be altered at these stages. Second, in most instances this guide indicates the specific environmental effects to be evaluated; consequently, the parameters to be measured will be apparent. In some cases, it may be advisable to establish a monitoring program based on the applicant's own identification of potential or possible effects and to provide the underlying rationale for such a program. Accordingly, the applicant should carefully review the plans for measurement of preexisting conditions to ensure that these plans include all factors that must be subsequently monitored as discussed in Section 6.2.

Sampling design, frequency, methods (including calibration and checks with standards), and instrumentation for both collection and analysis should be discussed as applicable.\*\*

In all cases, the applicant should estimate the statistical validity of any proposed sampling program. Information should be provided on instrument accuracy, sensitivity, and (especially for highly automated systems) reliability. Where standard analytical or sampling techniques can be identified, they should be so identified and referenced.

For quantitative descriptions of samples collected within areas and for periods of interest, descriptive statistics should include, unless justifiably omitted, the mean, standard deviation, standard error, and a confidence interval for the mean. In each case, the sample size should be clearly indicated. If diversity indices are used to describe a collection of organisms, the specific diversity indices used should be stated.

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\* See Regulatory Guide 4.14, "Radiological Effluent and Environmental Monitoring at Uranium Mills."

\*\* See Regulatory Guide 4.15, "Quality Assurance for Radiological Monitoring Programs (Normal Operations) - Effluent Streams and the Environment."

## 6.1 Applicant's Preoperational Environmental Programs

The programs for collection of initial or baseline environmental data prior to submittal of the license application should be described in sufficient detail to make it clear that the applicant has established a thorough and comprehensive approach to environmental assessment. The description of these programs should be confined principally to technical descriptions of instrumentation, frequency and duration, technique, and procedures.

Where information from the literature has been used by the applicant, it should be concisely summarized and documented by reference to original data sources. Where the availability of original sources that support important conclusions is limited, the applicant should provide either extensive quotations or references to accessible secondary sources.\* In all cases, information derived from published results should be clearly distinguished from information derived from the applicant's field measurements.

### 6.1.1 Surface Water

If a body of surface water may be affected by the proposed activities, the applicant should describe the programs by which the background condition of the water and the related ecology were determined. If a natural water body has already been subjected to environmental stress from pollutant sources, the nature of this stress and its consequences should be evaluated. The applicant should estimate the potential quality of the affected water body.

### 6.1.2 Ground Water

In those cases in which the proposed activities may potentially affect quality or quantity of local ground water, the program leading to assessment of potential effects should be described.

6.1.2.1 Physical and Chemical Parameters. The properties and configuration of the local aquifer will have been defined in sufficient detail (in Section 2.7) to permit a reasonable projection of effects of proposed activities on the ground water. Methods for obtaining information on ground-water levels and ground-water quality should be described.

6.1.2.2 Models. Models may be used to predict such effects as changes in ground-water levels, dispersion of contaminants, and eventual transport through aquifers to surface water bodies and downgradient wells. The models should be described and supporting evidence for their reliability and validity presented.

### 6.1.3 Air

The applicant should describe the program and identify sources for obtaining information on local air quality and local and regional meteorology.

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\* Any reports of work (e.g., ecological surveys) supported by the applicant that are of significant value in assessing the environmental impact of the facility should be included as appendices or supplements to the environmental report unless these reports are otherwise generally available.

6.1.3.1 Meteorology. The applicant should identify sources of meteorological data used in the atmospheric transport models and reported in Section 2.8. Locations and elevations of observation stations, instrumentation, and frequency and duration of measurements should be specified both for the applicant's measuring activities and for activities of governmental agencies or other organizations on whose information the applicant intends to rely. Guidance for an acceptable meteorological measurement program for nuclear reactors is presented in Regulatory Guide 1.23 (Safety Guide 23), "Onsite Meteorological Programs." See Appendix C for the format for reporting meteorological data. The applicant's description should show the basis for predicting such effects as the dispersion of airborne effluents and should present the methodology for gathering baseline data.

6.1.3.2 Models. Any models used by the applicant, either to derive estimates of basic meteorological information or to estimate the effects of effluents, should be described in detail and their validity and accuracy discussed. Staff guidance should be sought in adapting existing guidance to the particular effluents from uranium mines and mills.\*

#### 6.1.4 Land

Data collection and evaluation programs concerning the terrestrial environment of the proposed mill should be described and justified with regard to both scope and methodology.

6.1.4.1 Geology and Soils. Those geological and soil studies designed to determine the environmental impact of the construction or operation of the mine/mill should be described. The description should include identification of the sampling pattern and the justification for its selection, the sampling method, holding periods, preanalysis treatment, and analytic techniques. Other geological and soil studies (e.g., those conducted in support of safety analyses) should be briefly summarized and reference made to the relevant reports for a more detailed presentation.

6.1.4.2 Land Use and Demographic Surveys. The applicant should describe its program for identifying the actual land use in the site environs and for acquiring demographic data for the region as reported in Section 2.3.

Sources of information should be identified. Methods used to forecast probable changes in land use and demographic trends should be described.

6.1.4.3 Ecological Parameters. In this section, the applicant should discuss the program used to assess the ecological characteristics of the site, with primary reference to important biota identified in Section 2.9.

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\* For example, see Regulatory Guide 1.111, "Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water-Cooled Reactors."

### 6.1.5 Radiological Surveys\*

This section of the environmental report should discuss the methods used to determine the preoperational radiation levels at the site and environs and the concentrations of radionuclides in important local and regional biota, soil, sediment, vegetation, air, and surface and ground waters.

## 6.2 Applicant's Proposed Operational Monitoring Programs

The applicant should present the proposed operational monitoring program for planned operations. Review of this description will be facilitated if the applicant includes maps of proposed observation sites and tabular presentation of summary descriptors of such factors as sample collection and analysis frequency, type of sampling, method of collection, analytic method, preanalysis treatment, instrumentation, and minimum sensitivities. The discussion should include the justification for the choice of sampling sites, analyses, and sampling frequencies. The program description should be explicit with respect to the parameter limits that are not to be exceeded under normal operating conditions and with regard to the actions planned in the event the limits are exceeded.

### 6.2.1 Radiological Monitoring\*

The applicant's operational monitoring program for radiological effects should be described both for the mine and mill effluent monitoring program and for the environmental monitoring program.

6.2.1.1 Mill Effluent Monitoring. Describe the proposed effluent monitoring program for liquid and airborne effluents. Discuss the sensitivity limits for detecting radioactivity corresponding to routinely expected release rates. List the effluent streams, if any, that will not be monitored and provide a brief rationale for the absence of monitoring. Also, provide criteria for setting threshold levels for corrective action and describe the actions to be taken if these levels are exceeded.

6.2.1.2 Environmental Radiological Monitoring. The operational monitoring program should be described in detail, with specific attention given to the organisms and other types of samples to be collected, sampling locations and frequency, the analyses to be performed on each sample, the analytical sensitivity (detection threshold) for each analysis, and the criteria for investigating increases of concentration of material detected in the environs.

### 6.2.2 Chemical Effluent Monitoring

The proposed measurement program, including instrumentation, locations, frequencies, and analytical techniques, should be fully described. The description of the program should include instrumentation sensitivity and reliability. Monitoring procedures prescribed by local, State, or Federal agencies as conditions placed on operation should be so identified.

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\* Regulatory Guide 4.14 should be reviewed in connection with this section.

The criteria for setting threshold levels for corrective action should be presented. In the case of prescribed quantitative standards set by agencies, the applicable regulation should be cited. In the case of quantitative limits set by the applicant to conform to qualitative standards or restrictions, the applicant's rationale should be presented. In either case, if measurements exceed thresholds, the action to be taken should be specified.

#### 6.2.3 Meteorological Monitoring

The applicant's program for monitoring meteorological phenomena should be described.

#### 6.2.4 Ecological Monitoring

In the preoperational surveillance program, the applicant will have established methodology for determining the ecological characteristics of the region. The applicant should describe any additional ecological monitoring to be conducted during plant operation.

### 6.3 Related Environmental Measurement and Monitoring Programs

When the applicant's site lies within a region for which environmental measurement or monitoring programs are carried out by public agencies or other agencies or groups not directly supported by the applicant, any such related programs known to the applicant should be identified and discussed. Relevance of such independent findings to the proposed facility's effects should be described, and plans for exchange of information, if any, should be presented. Agencies responsible for the programs should be identified, and, to the extent possible, the procedures and methodology employed should be briefly described.

## CHAPTER 7. ENVIRONMENTAL EFFECTS OF ACCIDENTS

The applicant should discuss the environmental effects of possible accidents that may occur at the mill and during transportation of materials to and from the mill, whether or not those accidents may produce an impact on the site or its environs. Analyses should be based on relevant experience and statistics from operation of similar milling and transportation operations. The statistical validity of the data should be discussed as well as the rationale for applying the data to the applicant's proposed operation. Accidents caused by both humans and natural phenomena should be addressed.

### 7.1 Mill Accidents Involving Radioactivity

The applicant should provide accident analyses for a spectrum of accidents that might occur ranging in severity from trivial (essentially no release of radioactivity to the environment) to very large releases. Each class within the spectrum should be characterized by an occurrence rate or probability and its potential consequences, if any. Examples of accidents resulting in large releases would be a tornado striking the mill or the failure of a waste retention system resulting from an act of nature or improper operation. Examples of accidents resulting in small releases would be a fire or explosion in a solvent extraction circuit or failure of the air cleaning system serving the yellowcake area during operation. An example of a trivial accident would be the malfunction of mill process equipment or the rupture of a vessel containing mill solutions.

### 7.2 Transportation Accidents

The potential environmental effects from transportation accidents involving radioactive and other hazardous materials should be evaluated. Even though the probability of such an accident may be low and its consequences small, the applicant should identify the environmental effects that might result. Adequate documentation should be presented to provide assurance that all safety requirements will be met prior to transportation of hazardous materials (e.g., spillage of hazardous chemicals, ores, fuels, yellow cake, sulfuric acid).

### 7.3 Other Accidents

In addition to accidents that can release radioactivity to the environs, there may be accidents that, although radioactive materials are not involved, do have consequences that affect the environment. Such accidents as chemical explosions or fires, steam boiler failures, and leakage or rupture of vessels containing toxic materials can have significant environmental impacts. These possible accidents and associated effects should be identified and evaluated.

## CHAPTER 8. ECONOMIC AND SOCIAL EFFECTS OF MILL CONSTRUCTION AND OPERATION

The purpose of this chapter is to provide guidance on the information needed to assess the economic and social effects of the proposed facility. There are, of course, limitations on the extent to which all the social and economic benefits and costs of a uranium milling project can be evaluated. The wide variety of benefits and costs are not only difficult to assess, but many are not amenable to quantification or even to estimation in comparable units. Some primary benefits such as the quantity of uranium recovered are, to a degree, measurable as are the capital costs and operating and maintenance costs of the proposed facility. On the other hand, numerous environmental costs and their economic and social consequences are not readily quantified.

### 8.1 Benefits

The primary benefits of the proposed nuclear facility are those inherent in the value of the uranium to be recovered and the kilowatt-hours of electricity that may be produced from it.

There are other social and economic benefits that affect various political jurisdictions or interests to a greater or lesser degree. Some of these reflect transfer payments or other values that may partially, if not fully, compensate for certain services as well as external or environmental costs, and this fact should be reflected in the designation of the benefit. The following are some examples:

- Tax revenues to be received by local, State, and Federal governments.
- Temporary and permanent new jobs created and payroll (value-added concept).
- Incremental increase in regional product.
- Enhancement of recreational values.
- Environmental enhancement in support of the propagation or protection of wildlife and the improvement of wildlife habitats.
- Creation and improvement of local roads, waterways, or other transportation facilities.
- Increased knowledge of the environment as a consequence of ecological research and environmental monitoring activities associated with plant operation and technological improvements from the applicant's research program.

The applicant should discuss significant benefits that may be realized from the construction and operation of the proposed mill. Where the benefits can be expressed in monetary terms, they should be discounted to present value. In each instance where a particular benefit is discussed, the applicant should



indicate, to the extent practical, who is likely to be affected and for how long. In the case of esthetic impacts that are difficult to quantify, the applicant should provide pictorial drawings of structures or environmental modifications visible to the public (refer to Section 3.2).

## 8.2 Costs

The economic and social costs resulting from the proposed nuclear facility and its milling project are also complex and should be appraised.

The primary internal costs are (1) the capital costs of land acquisition and improvement, (2) the capital costs of facility construction, (3) other operating and maintenance costs, including license fees and taxes, (4) plant decommissioning, tailings stabilization, and site reclamation costs, and (5) research and development costs associated with potential future improvements of the mill and its operation and maintenance. As in the case of benefits, the applicant should discount these costs to present value.

There are also external costs. Their effects on the interests of people need to be examined. The applicant should supply, as applicable, an evaluation plus supporting data and rationale regarding such external social and economic costs. For each cost, the applicant should describe the probable number and location of the population group adversely affected, the estimated economic and social impact, and any special measures to be taken to alleviate the impact.

Temporary external costs include shortages of housing; inflationary rentals or prices; congestion of local streets and highways; noise and temporary esthetic disturbances; overloading of water supply and sewage treatment facilities; crowding of local schools, hospitals, or other public facilities; overtaxing of community services; and disruption of people's lives or the local community caused by acquisition of land for the proposed site.

Long-term external costs include impairment of recreational values (e.g., reduced availability of desired species of wildlife and sport animals, restrictions on access to land or water areas preferred for recreational use); deterioration of esthetic and scenic values; restrictions on access to areas of scenic, historic, or cultural interest; degradation of areas having historic, cultural, natural, or archeological value; removal of land from present or contemplated alternative uses; reduction of regional products because of displacement of persons from the land proposed for the site; lost income from recreation or tourism that may be impaired by environmental disturbances; lost income attributable to environmental degradation; decrease in real estate values in areas adjacent to the proposed facility; increased costs to local governments for the services required by the permanently employed workers and their families. In discussing the costs, the applicant should indicate, to the extent practical, who is likely to be affected and for how long.

## CHAPTER 9. DECOMMISSIONING AND RECLAMATION

The applicant should describe in depth its plans for mill decommissioning and site reclamation.

Detailed discussions should be provided for the following:

1. Plans for reclaiming and restoring lands disturbed by mining and milling activities. These plans should provide sufficient details for the staff to assess the suitability of these plans when compared to other alternatives (e.g., horizontal-vertical slope, type of cover, sources and thicknesses of cover materials, revegetation species, schedule of events from shutdown through final reclamation).
2. A technical and financial feasibility assessment on methods and costs of mill decommissioning and site reclamation, including tailings area.
3. Financial arrangements to be made (such as bonding arrangements) to ensure that adequate funds will be available for mill decommissioning, site reclamation, and restoration when operations are concluded.

## CHAPTER 10. ALTERNATIVES TO THE PROPOSED ACTION

In this chapter of the environmental report, the applicant's choice of a particular mill at a particular site and the location of project structures on the site should be supported through a comparative evaluation of available alternatives. To the extent possible, the applicant should discuss all parameters for the available alternatives. The NRC will consider all available alternatives that may reduce or avoid adverse environmental, social, and economic effects expected to result from construction and operation of the proposed milling and mining project. The NRC will not specify in advance which alternatives should be selected by the applicant for consideration. The applicant should make this selection and also make clear the basis and rationale for the choices in regard to number, availability, suitability, and factors limiting the range of alternatives that might avoid some or all of the environmental effects previously identified. Particular attention should be placed on the relationship between tailings management alternatives and mill site and process alternatives.

In the discussion of tailings management alternatives, consideration should be given to the following siting, design, and operation performance objectives developed by the staff in addition to the technical criteria listed in Chapter 9:

1. Locate the tailings isolation area remote from people to reduce population exposures to the maximum extent reasonably achievable.\*
2. Locate the tailings isolation area so that disruption and dispersion by natural forces is eliminated or reduced to the maximum extent reasonably achievable. See the EPA reference in the footnote below for additional guidance.
3. Design the isolation area so that seepage of toxic materials into the ground-water system would be eliminated or reduced to the maximum extent reasonably achievable.
4. Eliminate the blowing of tailings to unrestricted areas during normal operating conditions and prior to final reclamation.

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\* See Environmental Protection Agency, "Criteria for Radioactive Waste," November 15, 1978, Federal Register (Part IX, 6560-01-M), Vol. 43, No. 221, p. 53267: Issue No. 5, Location and Waste Isolation.

## CHAPTER 11. BENEFIT-COST ANALYSIS

In this chapter the applicant's benefit-cost statement should be presented. The presentation should be made in the form of a narrative with accompanying tables and charts. It should make clear what the applicant considers to be the important benefits and costs of the proposed facility and why, in the judgment of the applicant, the former outweigh the latter.

The applicant should develop criteria for assessing and comparing benefits and costs where these are expressed in nonmonetary or qualitative terms. The rationales for the selection among mill-site alternatives, as well as among subsystem alternatives, should be presented. In any case, the applicant should carefully describe any aggregation of effects and discuss in detail the trade-offs that were made in order to justify the proposed operation. If any of the benefits or costs are deleted from the applicant's analysis, the rationale for doing so should be explained. The applicant should key all the terms used in the benefit-cost analysis to the relevant sections of the environmental report.

## CHAPTER 12. ENVIRONMENTAL APPROVALS AND CONSULTATIONS

List all licenses, permits, and other approvals of construction and operations required by Federal, State, local, and regional authorities authorized to develop and enforce relevant standards for the protection of the environment.\* List those Federal and State approvals that have already been received and indicate the status of matters regarding approvals yet to be obtained. For general background, submit similar information regarding approvals, licenses, and contacts with local authorities including any affected Indian tribes.

Discuss the status of efforts to obtain a water quality certification under Section 401 and discharge permits under Section 402 of the Federal Water Pollution Control Act, as amended. If not already obtained, indicate when certification is expected. If certification is not required, explain.

In view of the effects of the plant on the economic development of the region in which it is located, the applicant should also note the State, local, and regional planning authorities contacted or consulted. Office of Management and Budget Circular A-95\*\* identifies the State, metropolitan, and regional clearinghouse that should be contacted, as appropriate.

Cite meetings held with any Federal, State, or local agency or Indian tribe authorized to develop or enforce relevant environmental standards. Also include any meetings or contacts with environmental and other citizen groups and Indian tribes and cite specific instances of the applicant's compliance with or rejection of the recommendations of these groups. Citation should also be given of efforts to locate such agencies or groups and to inform them of the possibilities and procedures for participating further in the environmental review process.

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\* This list should be updated semiannually until final licensing action is taken by the NRC.

\*\* Inquiries concerning this circular may be addressed to the Office of Management and Budget, Washington, D.C. 20503.

## CHAPTER 13. REFERENCES

The applicant should provide a bibliography of all sources used in preparation of the environmental report. References cited should be keyed to the specific sections and page numbers to which they apply.

APPENDIX A

POPULATION DISTRIBUTION DATA

The population distribution should be given in the following manner:

- Sectors are marked off by the sixteen compass directions and radial distances along the compass directions up to 80 km (50 miles).
- The distances (km) should be broken up as indicated on the following page.

POPULATION DISTRIBUTION

COMPASS DIRECTIONS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
--------------------	---	-----	----	-----	---	-----	----	-----	---	-----	----	-----	---	-----	----	-----

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5	225.0	247.5	270.0	292.5	315.0	337.5
--	-----	------	------	------	------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

-----  
KILOMETERS

1.0 - 2.0

2.0 - 3.0

3.0 - 4.0

4.0 - 5.0

5.0 - 10.0

10.0 - 20.0

20.0 - 30.0

30.0 - 40.0

40.0 - 50.0

50.0 - 60.0

60.0 - 70.0

70.0 - 80.0

A-2



APPENDIX B

PRINCIPAL PARAMETERS FOR RADIOLOGICAL ASSESSMENT

<u>Parameter</u>	<u>Value</u>
Ore quality, U <sub>3</sub> O <sub>8</sub>	_____ %
Ore activity, U-238, U-234, Th-230, Ra-226, and Pb-210	_____ pCi/g
Operating days per year (plant factor)	_____ days
Ore process rate	_____ tonnes/yr
Mill water throughput	_____ m <sup>3</sup> /yr
Annual average morning mixing height	_____ m
Annual average afternoon mixing height	_____ m
<u>Ore Handling and Storage</u>	
Estimated capacity of ore per delivery	_____ MT
Number of deliveries	_____ per day/ per week
Estimated ore dust released in delivery	_____ kg/hr or MT/yr
Average grade of ore and ranges	_____ %
Capacity of ore pad: final year of operation	_____ MT
average during operation	_____ MT
Maximum area of ore pad and height of ore storage pile	_____ m <sup>2</sup> , m
Approximate amount of ore handled per day i.e., unloaded, loaded, bulldozed, etc.	_____ MT/day
Operation time of front-end loaders, hoppers, feeders, and other ore pad equipment	_____ hr/day
Estimated amount of fugitive ore dust emission from handling of ore on ore pad	_____ MT/yr

Dust emission control reduction factor  
by wetting, chemical, or other controls \_\_\_\_\_ %  
Ore storage time \_\_\_\_\_ days

Crushers, Grinders, Rod Mills, Fine Ore Blending, Solvent Extraction, Countercurrent Decantation, Ion Exchange, and Leaching

For each piece of potential radioactive emission source equipment, report the following:\*

Operation time \_\_\_\_\_ hr/day and days/yr  
Estimated dust lost to atmosphere \_\_\_\_\_ MT/yr  
Estimated radon released to atmosphere \_\_\_\_\_ Ci/yr  
Efficiency of emission control devices (effective and design) \_\_\_\_\_ %  
Estimated dust lost to atmosphere through internal ore transportation devices (e.g., conveyor belts) \_\_\_\_\_ MT/yr  
Efficiency of emission controls of internal ore transportation devices (effective and design) \_\_\_\_\_ %  
Average daily capacity of temporary bin storage (fine ore bins) \_\_\_\_\_ MT/d  
Efficiency of controls for temporary bin storage \_\_\_\_\_ %

Yellowcake Drying and Packaging (based on last year of operation)

(Give parameter values for drying and packaging)

Processing rates  
Drying \_\_\_\_\_ days/yr and hr/day  
Packaging \_\_\_\_\_ days/yr and hr/day  
Operation time  
Drying \_\_\_\_\_ days/yr and hr/day  
Packaging \_\_\_\_\_ days/yr and hr/day  
Efficiency of control of  $U_3O_8$  dust released to atmosphere (design and effective)  
Drying \_\_\_\_\_ %  
Packaging \_\_\_\_\_ %

\* If change or expansion of the process is planned, provide approximate values as necessary.

Estimated U<sub>3</sub>O<sub>8</sub> dust released to atmosphere

Drying \_\_\_\_\_ MT/yr  
Packaging \_\_\_\_\_ MT/yr

Stack height(s)

Drying \_\_\_\_\_ m  
Packaging \_\_\_\_\_ m

Recovery rate of U<sub>3</sub>O<sub>8</sub>

\_\_\_\_\_ %

Yellowcake yield

\_\_\_\_\_ tonnes/yr

Yellowcake quality, U<sub>3</sub>O<sub>8</sub>

\_\_\_\_\_ %

Heap Leach Piles(if applicable)

Dimensions (height, width, length)

\_\_\_\_\_ m, m, m

Volume

\_\_\_\_\_ m<sup>3</sup>

Capacity

\_\_\_\_\_ MT

Pile activity for U-238, Th-230, Ra-226,  
and Pb-210

\_\_\_\_\_ pCi/g

Fugitive dust emissions

\_\_\_\_\_ MT/yr

Control efficiencies for dusting

\_\_\_\_\_ %

Solid and Liquid Disposal Impoundments  
(Tailings, evaporation, and settling ponds)

Area, volume, capacity of sand tailings

\_\_\_\_\_ km<sup>2</sup>, m<sup>3</sup>, MT

Area, volume, capacity of slime tailings

\_\_\_\_\_ km<sup>2</sup>, m<sup>3</sup>, MT

Area, volume, capacity of submerged tailings

\_\_\_\_\_ km<sup>2</sup>, m<sup>3</sup>, MT

If different grades of ore are used or if a  
time-dependent scenario is planned, indicate  
the following for each change:

Area, volume, capacity of sand tailings

\_\_\_\_\_ km<sup>2</sup>, m<sup>3</sup>, MT

Area, volume, capacity of slime tailings

\_\_\_\_\_ km<sup>2</sup>, m<sup>3</sup>, MT

Area, volume, capacity of submerged tailings

\_\_\_\_\_ km<sup>2</sup>, m<sup>3</sup>, MT

Operating time for impoundment area

Attach graph and tables

Fraction of U-238, Th-230, Ra-226, Pb-210  
to tailings for each particular ore grade,  
if applicable

\_\_\_\_\_ %

Tailings density \_\_\_\_\_ g/cm<sup>3</sup>

Drying time prior to reclamation \_\_\_\_\_ yrs

Efficiency of controls for fugitive dusting  
(wetting, chemical, etc.) \_\_\_\_\_ %

Activity, U, Ra-226, Th-230, and  
Pb-210 in slimes \_\_\_\_\_ pCi/g

Activity, U, Ra-226, Th-230, and  
Pb-210 in sand \_\_\_\_\_ pCi/g

Activity, U, Ra-226, Th-230, and  
Pb-210 in solution \_\_\_\_\_ pCi/l

Total tailings area \_\_\_\_\_ m<sup>2</sup>

Tailings pond (solution) area \_\_\_\_\_ m<sup>2</sup>

Tailings solids area \_\_\_\_\_ m<sup>2</sup>

Tailings impoundment depth \_\_\_\_\_ m

Seepage rate from tailings impoundment \_\_\_\_\_ gpm

Land Use and Grazing of Cattle

Fraction of year spent grazing locally \_\_\_\_\_ %

Fraction of feed that is pasture graze  
while grazing \_\_\_\_\_ %

Fraction of stored feed that is grown locally \_\_\_\_\_ %

Acreage required to graze one animal unit  
(450 kg) for one month (AUM) \_\_\_\_\_ ha

Length of growing season \_\_\_\_\_ months/yr

Fraction of local consumption of locally  
produced:

  vegetables \_\_\_\_\_ %

  meat \_\_\_\_\_ %

  milk \_\_\_\_\_ %

Locations of Sources and Receptors

All locations should be given in terms of:  
  x kilometers east of the yellowcake dryer stack  
  y kilometers north of the yellowcake dryer stack  
  z meters elevation from the base of the yellowcake dryer stack  
(Denote locations to the south and/or west by a negative value.)

EXAMPLE:

<u>Sources</u>	<u>(km) east</u>	<u>(km) north</u>	<u>(m) elevation</u>
1. Yellowcake dryer	0	0	--
2. Grinder(s)	--	--	--
3. Crushers	--	--	--
4. Rod mill	--	--	--
5. Ore pad	--	--	--
6. Fine ore blending	--	--	--
7. Tailings pond no. 1 (midpoint)	--	--	--
8. Tailings pond no. 2 (midpoint)	--	--	--
9. Heap leach pile	--	--	--
10. Other sources (stacks, vents, etc.)	--	--	--
<u>Extra Receptors</u>			
1. Nearest resident	--	--	--
2. Nearest resident in prevailing wind direction	--	--	--
3. Ranch	--	--	--
4. Farm	--	--	--
5. Orchard	--	--	--
6. Grazing location 1	--	--	--
7. Grazing location 2	--	--	--
4. Garden	--	--	--
5. Ranger bunk house	--	--	--
6. Mine camp	--	--	--
7. Town 1	--	--	--
8. Town 2	--	--	--
9. City 1	--	--	--
10. Other nearby residents (industrial or recreational facilities)	--	--	--
11. Restricted area boundaries (N, S, E, W, NE, SW, SE, NW)	--	--	--

APPENDIX C  
METEOROLOGICAL DATA

Annual Joint Relative Frequency Distributions of Wind Direction and Wind Speed by Atmospheric Stability Class

Wind Direction is given in the 16 compass directions.

Wind Speed is given in knots in the indicated classes:

0-3, 4-6, 7-10, 11-16, 17-21, >21

Atmospheric Stability is given in the following manner:

- A - Extremely unstable
- B - Moderately unstable
- C - Slightly unstable
- D - Neutral
- E - Moderately stable
- F - Very stable

The following table should be prepared for each of these stability classes.

STABILITY CLASS

Windspeed Class (knots)

Wind Direction

0 - 3

4 - 6

7 - 10

11 - 16

17 - 21

OVER 21

---

N

NNE

NE

ENE

E

ESE

SE

SSE

S

SSW

SW

WSW

W

WNW

NW

NNW

C-2

ATTACHMENT 3



Sweetwater Uranium Facility  
Kennecott Uranium Company  
42 Miles NW of Rawlins  
P.O. Box 1500  
Rawlins, Wyoming 82301  
(307) 328-1476 Fax:(307) 324-4925

November 1, 1993

Mr. Ramon E. Hall, Director  
U.S. Nuclear Regulatory Commission  
Uranium Recovery Field Office  
P. O. Box 25325  
Denver, Colorado 80225-0325



Dear Mr. Hall:

**Subject: SUA-1350 --- Environmental Report Revision**  
**Summation of Telephone Conversations on Aspects of the Revision**

On Thursday, October 21, 1993, a telephone conference was held involving Ray Gonzales of URFO, Oscar A. Paulson of Kennecott Uranium Company and Kent Bruxvoort of Shepherd Miller, Inc. (a consultant to Kennecott Uranium Company), concerning the revision of the Sweetwater Uranium Project's Environmental Report. The following six (6) topics were discussed with the following resolutions being reached on each of the topics:

- 1) **Inclusion of Data on the Mine**  
It was concluded that no information was required in the report on the mine itself, given the fact that the Jackpot Mine is not adjacent to or near the Sweetwater Uranium Mill. The only requirement concerning the mine is the inclusion of a statement in the report saying that, because the mine will be remote from the mill, discussion of it will not be required. This subject was also discussed with Paul Michaud, formerly of your office, with the same conclusion being reached.
- 2) **Archeological Surveys**  
It was concluded that a survey of any undisturbed and previously unsurveyed area that will be subject to disturbance upon resumption of operations should be performed and that previously surveyed areas should be given a walk-through survey to determine if anything new has appeared. This subject was also discussed with Paul Michaud, formerly of your office, and Dana Ward of your office, in a telephone conversation on August 30, 1993, with the same conclusion being reached.
- 3) **Use of Old Background Data**  
It was concluded that old (pre-November 1976) background data for the site can be used for background data for the site in the revised report. This conclusion was also reached in a telephone conversation with Paul Michaud, formerly of your office.

Mr. Ramon E. Hall  
November 1, 1993  
Page 2.

4) **Uranium Fuel Cycle Facilities Map**

It was concluded that the only uranium fuel cycle facilities required to be listed in the revised environmental report, because they are within fifty (50) miles of the Sweetwater Uranium Project, are the Green Mountain Ion Exchange (SUA-1524) and Western Nuclear Corporation's Split Rock facility. Pathfinder's Lucky Mc Mill will also be included on the map, but does not have to be, as it is outside of the fifty (50) mile radius. This conclusion was also reached in a telephone conversation with Paul Michaud, formerly of your office, on September 15, 1993.

5) **Soil Data**

It was concluded that soil samples taken around the facility at the eleven (11) soil sampling locations used during operation should be taken from depths of 0-15 centimeters and 15-30 centimeters, and not from 0-5 centimeters and 5-10 centimeters as was done during operations. This matter was also discussed with Paul Michaud, formerly of your office, in a telephone conversation, with the same conclusion being reached.

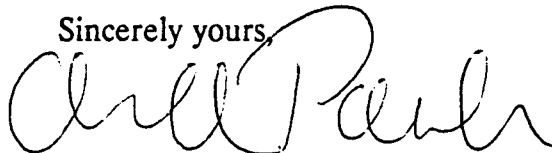
6) **Atmospheric Stability Data**

It was concluded that it will be preferable to calculate atmospheric stability for MILDOS using the method previously employed at the Sweetwater site involving the use of percent cloud cover only, rather than using a method which also involves the use of cloud ceiling height, because:

- a) Cloud ceiling height data is not available for the Sweetwater Uranium Project, but cloud cover data is available for a ten (10) year period.
- b) It is preferable to calculate atmospheric stability using site specific data for a ten (10) year period than it is to calculate atmospheric stability for the site using data from a remote weather station, especially given the fact that the Sweetwater Uranium Project lies in an enclosed basin.

If your or your staff's understanding is different from the above, please notify me. Thank you for your assistance in this matter and for the especially prompt response from your staff on these requests for information and regulatory guidance.

Sincerely yours,



Oscar A. Paulson  
Facility Supervisor

ss:25a.OCT

cc: Kent Bruxvoort  
George Worman

ATTACHMENT 4

# SMI

Shepherd Miller, Inc.

Consulting Environmental  
& Geotechnical Engineers



## TELEPHONE LOG

---

DATE:	January 24, 1994	SMI # <u>423</u>
CONTACT:	Mr. Chuck Reed/BLM Rawlins District	
SMI EMPLOYEE:	Kelly Williams	
PHONE NO:	(307) 324-4841	
SUBJECT:	AUM for cattle grazing	

---

### COMMENTS:

According to Mr. Reed, the areas near the Sweetwater Mill may require 5-8 acres jper animal unit month. In the Mill Site Area the permits may range from 5-22 acres.

# SMI

*Shepherd Miller, Inc.*

*Consulting Environmental  
& Geotechnical Engineers*



## TELEPHONE LOG

DATE: January 24, 1994 SMI # 423

---

CONTACT: Mr. John Likens/BLM Lander District

---

SMI EMPLOYEE: Kelly Williams

---

PHONE NO: (307)

---

SUBJECT: AUM for Cattle grazing

---

### COMMENTS:

According to Mr. Likens, the areas near the Sweetwater River may range from .5 - 30 acres per animal unit month. This number varies with location.

# SMI

Shepherd Miller, Inc.

Consulting Environmental  
& Geotechnical Engineers



## TELEPHONE LOG

---

DATE: September 9, 1993 SMI # 423

---

CONTACT: Mr. Dick Coulter

---

SMI EMPLOYEE: Kelly Williams

---

PHONE NO: (307) 772 - 2821

---

SUBJECT: Cattle Distribution from Wyoming

---

### COMMENTS:

Mr. Coulter shared that most cattle are sold in auctions to feeder lots in Nebraska and Colorado and other states and little is consumed locally. The number of feeder lots in Wyoming is small. The meat is then distributed from the feeder lots to locations across the United States.

# SMI

Shepherd Miller, Inc.

Consulting Environmental  
& Geotechnical Engineers



## TELEPHONE LOG

DATE: September, 1994 SMI # 423

CONTACT: Mr. Doug Reynolds/Carbon County Extension  
Office

SMI EMPLOYEE: Kelly Williams

PHONE NO: (307) 328-2642

SUBJECT: Agricultural Information

### COMMENTS:

According to Mr. Reynolds, the fraction of feed grown locally as supplemental feed during the winter months may be as high as 75% in the Sweetwater River basin. Parts of this area is irrigated and alfalfa and other food sources are grown. He shared that most of the cattle raised in the area surrounding the mill are sent to Northern Colorado.

# SMI

Shepherd Miller, Inc.

Consulting Environmental  
& Geotechnical Engineers



## TELEPHONE LOG

---

DATE: September, 1993 SMI # 423

---

CONTACT: Mr. Ray Murphy/State Eng. Office

---

SMI EMPLOYEE: Kelly Williams

---

PHONE NO: (307) 324-7354

---

SUBJECT: Groundwater Use Projections

---

### COMMENTS:

According to Mr. Murphy, the State of Wyoming is not currently working on groundwater use projections in the Great Divide Basin. However, the State is working on some in other locations around Wyoming.



ATTACHMENT 5



UNITED STATES

NUCLEAR REGULATORY COMMISSION

SEP 18 REC'D

REGION IV

URANIUM RECOVERY FIELD OFFICE  
BOX 25325  
DENVER, COLORADO 80225

SEP 15 1989

URFO:SRG  
Docket No. 40-8584  
SUA-1350, Amendment No. 11  
04008584850E

Minerals Exploration Company  
ATTN: Daniel Roybal  
P.O. Box 1500  
Rawlins, Wyoming 82301

Gentlemen:

Our office is in receipt of your proposed ground-water corrective action program as described in your April 25 and July 20, 1989 submittals. We have concluded that the submittals were in accordance with License Condition No. 44 of Source Material License SUA-1350. Although you have not adequately responded to our request for a detailed discussion on how you will delineate the areal extent and concentration of hazardous constituents, a review of your submittals indicate that your proposed seepage collection system should significantly reduce contamination in the uppermost aquifer. We are requesting once more that you provide a detailed discussion on how you will delineate the areal extent and concentration of hazardous constituents in the uppermost aquifer. You are also being requested to discuss whether or not there is the need for perched zone point of compliance wells. This should be submitted in the form of a request for license amendment by October 31, 1989.

To assess the extent of cleanup, License Condition No. 44 will require an annual evaluation of the corrective action program's performance. You should review your program and make a summary of its effectiveness. This should include a discussion on the delineation of the areal extent and concentration of hazardous constituents and an estimate of the time needed for compliance.

On a semiannual frequency, you will be required to submit a report that deals solely with environmental monitoring. License Condition No. 34 is being modified to show that all ground-water monitoring and reporting requirements will be specified by License Condition No. 44.

Based upon your April 25 and July 20, 1989 submittals and pursuant to Title 10, Code of Federal Regulations, Part 40, Source Material License SUA-1350 is hereby amended by revising License Condition Nos. 34 and 44 to read as follows:

34. At least twelve (12) months prior to the resumption of milling operations, the licensee shall submit a revised environmental and effluent monitoring program in accordance with Regulatory Guide 4.14, in the form of a license amendment, to the USNRC, Uranium Recovery Field Office, for review and approval. The submittal shall include the licensee's quality assurance program in accordance to Regulatory Guide 4.15. During the suspension of milling operations, the licensee shall conduct environmental and effluent monitoring in accordance with the following:
- A. Air particulate, radon and gamma monitoring shall be performed at the restricted area boundary downwind of the tailings cell. Sample frequency and analysis shall be in accordance with Table C-3 of the licensee's submittal dated July 2, 1984.
  - B. Notwithstanding the above, results of all ground-water monitoring shall be reported in accordance with License Condition No. 44.
44. The licensee shall implement a ground-water compliance monitoring program containing the following:
- A. At a minimum, sample TMW wells 15, 16, 17 and 18 on a semiannual frequency for arsenic, barium, cadmium, chromium, lead, nickel, selenium, silver, natural uranium, combined radium-226 and 228, beryllium, cyanide, lead-210, thallium, thorium-230, gross alpha, chloride, iron, nitrate, sulfate, pH and total dissolved solids. The first semiannual sampling shall be collected in March 1989.
  - B. Comply with the following ground-water protection standards (in mg/l, unless otherwise noted) at point of compliance wells TMW-15, 16, 17 and 18, with background being recognized in well TMW-5:  
  
arsenic = 0.05, barium = 1.0, beryllium = 0.01, cadmium = 0.01, chromium = 0.05, cyanide = 0.005, lead = 0.5, mercury = 0.002, molybdenum = 0.04, nickel = 0.01, selenium = 0.01, silver = 0.05, thallium = 0.01, natural uranium = 1.7 pCi/l, combined radium-226 and 228 = 2.8 pCi/l, lead-210 = 1.4 pCi/l, gross alpha 6.6 pCi/l and thorium-230 = 10.0 pCi/l.
  - C. The licensee shall discuss the need, if any, for point of compliance well locations for the perched aquifer and provide a detailed discussion on how the areal extent and concentration of hazardous constituents will be delineated. This information shall be submitted by October 31, 1989, in the form of a request for license amendment.
  - D. Implement a corrective action program in accordance with the April 25 and July 20, 1989 submittals, with the objective of

SEP 15 1989

returning the concentrations of chromium, natural uranium and combined radium-226 and 228 to the concentration limits specified in Subsection (B).

The corrective action program shall be fully operational as soon as practicable, but in no event later than July 1, 1990. Additionally, the licensee shall on a semiannual frequency, submit a ground-water monitoring report as well as annually, submit a corrective action program review that describes the progress towards attaining ground-water protection standards including the areal extent and concentration of hazardous constituents and estimates of time needed to obtain compliance. The first annual program review will be due in January 1990.

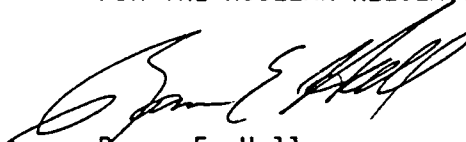
- E. The licensee shall use, at a minimum, the following lower limits of detection for water quality analysis in mg/l, unless otherwise noted:

arsenic = 0.01, barium = 0.1, beryllium = 0.01, cadmium = 0.005, chromium = 0.01, cyanide = 0.005, lead = 0.01, molybdenum = 0.01, nickel = 0.01, nitrate = 0.01, selenium = 0.005, silver = 0.01, total dissolved solids = 1.0, thorium-230 = 1.0 pCi/l, lead-210 = 1.0 pCi/l and gross alpha = 1.0 pCi/l.

All other conditions of this license shall remain the same. The effect of this amendment is to incorporate a corrective action program into your license and modify your license to require the submittal of a distinct ground-water monitoring report and an annual review of the corrective action program.

The issuance of this amendment was discussed via telephone between your Mr. Roybal and Mr. Grace of my staff on August 25, 1989.

FOR THE NUCLEAR REGULATORY COMMISSION



Ramon E. Hall  
Director

Enclosure:  
Source Material License SUA-1350

Case Closed: 04008584850E

Minerals Exploration Company  
A Unocal Company  
Sweetwater Uranium Project  
P.O. Box 1500  
Rawlins, Wyoming 82301  
Telephone (307) 328-1476

**UNOCAL** 

**MINERALS**

25 April 1989

R. Dale Smith, Director  
U.S. Nuclear Regulatory Commission  
Region IV  
Uranium Recovery Field Office  
P.O. Box 25325  
Denver, CO 80225-0325

RE: SML #SUA-1350  
Request for license amendment -  
proposed corrective action program.

Dear Mr. Smith:

Minerals Exploration Company proposes the following corrective action program in response to amendment #9, received from your office:

Corrective Action

Wells completed to the perched water aquifer below the tailings cell will be pumped to the extent possible and the water will be returned to the cell.

Wells at the toe of the tailings cell will be monitored and evaluated using control charts. Wells will be pumped at low volumes to intercept seepage into the aquifer with the water being returned to the cell in areas where groundwater protection standards or alternate concentration limits are being exceeded. As the direction of groundwater flow continues to shift from northwest (mine dewatering influence) back to southwest (pre-mine gradient), wells selected for pumpback and pumping rates will be adjusted. Peripheral monitoring wells in the direction of the prevailing groundwater gradient will be monitored to determine the efficiency of the pumping.

Areal Extent of Contamination

The areal extent of contamination will be determined from data collected from the compliance wells and various monitoring wells in the area.

Statistical Procedure - Control Charts

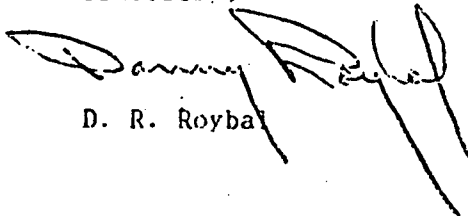
The Federal Register, Tuesday, October 11, 1988, published revisions to 40 CFR Part 264 "Statistical Methods for Evaluating Ground-Water Monitoring Data from Hazardous Waste Facilities". This final rule describes and discusses different statistical methods which are more appropriate than the Cochran's Approximation to the Behrens-Fisher Students's t-test for evaluation of the presence or increase of contamination in groundwater.

We plan to use control charts to graph hazardous components for the various wells. Charts will be constructed with the assigned groundwater protection standard drawn on the chart and sample results graphed as concentration versus time. Sampling will be conducted according to license condition #44.

When the concentration of a hazardous constituent in a well crosses the control line the well will be evaluated. The evaluation will include review of the run length in and out of control, the persistence and significance of the material in the groundwater environment, and rationale for an alternate control limit. If the well remains out of control, and the contaminant is believed to be directly related to tailings cell leakage, alterations in the pumpback system will be made to bring the well back into control.

Examples of control charts are attached.

Sincerely,



D. R. Roybal

TJK/DRR/SAS/ek

cc: JOLandreth - LAHO  
NRC Lic. SUA-1350 File

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**MINERALS**

20 July 1989

Mr. Edward F. Hawkins, Branch Chief  
USNRC, Uranium Recovery Field Office  
Region IV  
P. O. Box 25325  
Denver, Colorado 80225

RE: SML #SUA-1350  
Request for License Amendment -  
Proposed Corrective Action Program

Dear Mr. Hawkins:

With this letter Minerals Exploration Company (MEC) wishes to amend its Source Materials License SUA-1350. MEC proposes the following corrective action program in response to Amendment #9 received from your office on March 8, 1989.

Corrective Action

Perched wells: TMWs 83 and 55 will be pumped into the tails cell until it is no longer practicable. TMWs 83 and 55 are the only two remaining wells that were completed to the perched water aquifer that have any significant amounts of tails water left in them. These wells at present are being pumped at a rate of approximately 0.5 gallons/minute. Since all other wells drilled into the perched water aquifer have gone dry or are nearly dry, MEC anticipates TMWs 83 and 55 going dry towards the end of this year.

Aquifer wells: TMWs 16, 17, 18, 59 and 75 will continue to be pumped at low volume rates ranging from 3 to 7 gallons/minute. The pumping of these wells has shown to be effective in intercepting tails water seepage from the area between the perched zone and aquifer ground water. The pump in TMW 18 will be replaced in August, from a 6 gallons/minute pump to a 15 to 17 gallons/minute pump. This pump will provide a small cone of depression at the center of the excursion in which contaminated tails water coming through will be collected as the direction of ground water flow continues to shift from northwest (mine dewatering influence) back to southwest (pre-mine gradient). Pumping rates on TMWs 17, 75 and possibly 16 will be adjusted accordingly, keeping in mind the amount of water that MEC can discharge into the tailings impoundment per License Condition # 35(A).

Mr. Edward F. Hawkins  
20 July 1989  
Proposed Corrective Action Program

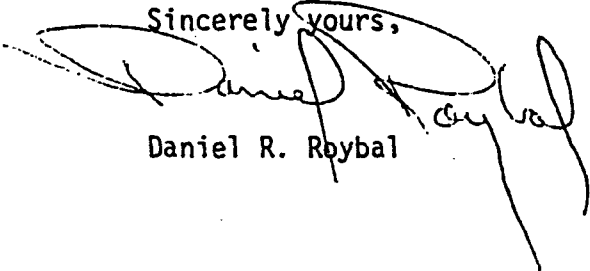
Aquifer Tailings Monitor Wells (TMWs) not noted in License Condition 44(A)(B) surrounding the tails cell will be evaluated (using control charts) for concentration of hazardous constituents. This evaluation will include the persistence and significance of the material in the ground water environment and rationale for an alternate control limit. Should hazardous constituents directly related to tailings cell leakage appear on a monitor well, MEC proposes to make alterations in the pump-back system by moving existing pumps or installing new pumps to bring the well back into control.

MEC is also installing four new monitor wells west/southwest of TMWs 18, 59 and 15 at the end of July 1989. With these new wells MEC will have a complete line of guard wells surrounding the tails cell to detect any seepage beyond the toe wells.

Enclosed are: a site map showing the locations of active monitoring wells; a summary of the well completions; a diagram of a typical TMW well construction; diagrams of elevations, depths and material encountered in TMWs mentioned in this report and license condition 44; N-S geologic cross sections; and examples of control charts MEC intends to use. Also attached is a check for \$150.00 to cover the amendment.

Should you have any questions please contact either Oscar Paulson at (307)324-4924 or Danny Roybal at (307)328-1476.

Sincerely yours,

  
Daniel R. Roybal

ENCLOSURES

DRR/ss

Ck. # 10736

cc: ~~Oscar Paulson~~

J. O. Landreth

T. J. Klein



ATTACHMENT 6

THE STATE OF WYOMING



MIKE SULLIVAN  
GOVERNOR

APR 17 REC'D



## Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

Land Quality Division  
(307) 777-7756  
FAX (307) 634-0799

Solid Waste Management Program  
(307) 777-7752

Water Quality Division  
(307) 777-7781

April 6, 1990

CERTIFIED MAIL NO. 73575

Mr. Christopher Z. Hill  
Minerals Exploration Co.  
Unocal Minerals  
P.O. Box 1500  
Rawlins, WY 82301

RE: Termination of License to Explore No. 17LE and Release of Bond No. U 62  
90 46

Dear Mr. Hill:

With the recommendation of Mark Moxley, Land Quality Division, District II Supervisor, your license to explore referenced above is hereby terminated and the bond released. Enclosed is the original execution of United Pacific Insurance Company bond no. U 62 90 46 in the amount of Five Thousand Dollars (\$5,000.00) and dated March 11, 1987. It may be presented to the surety for cancellation. A cancelled copy of the document is retained in the terminated file.

No further exploration activity may take place under license no. 17LE. If future exploration is planned for this site, a new application and bond must be filed by you and be accepted and approved by the department. If you have any questions, please contact the District II office in Lander.

Sincerely,

Roger Shaffer  
Administrator  
Land Quality Division

Dennis Hemmer  
Director  
Dept. of Environmental Quality

PJ:sp

Enclosure

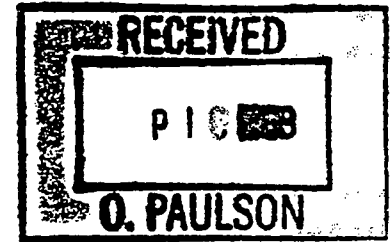
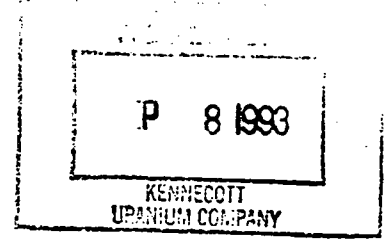
cc: District II  
United Pacific Ins. Co.

ATTACHMENT 7



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV  
URANIUM RECOVERY FIELD OFFICE  
BOX 25325  
DENVER, COLORADO 80225



SEP 02 1993

Docket: 40-8584  
License: SUA-1350

Kennecott Uranium Company  
ATTN: Oscar Paulson  
Post Office Box 1500  
Rawlins, Wyoming 82301

SUBJECT: NRC INSPECTION REPORT 40-8584/93-01

This refers to the routine announced radiation safety inspection conducted by Mr. Paul Michaud on July 7 and 8, 1993, at your Sweetwater facility. Activities authorized by Source Material License SUA-1350 were examined, and the findings were discussed with you and your staff at the conclusion of the inspection. The enclosed NRC Inspection Report No. 40-8584/93-01 documents this inspection.

The inspection was an examination of activities conducted under the license as they relate to radiation safety and to compliance with the NRC's rules, regulations and the conditions of the license. This consisted of selective examinations of procedures and representative records, interviews of personnel and observations by the inspector.

Within the scope of this inspection, no violations or deviations were identified.

In accordance with 10 CFR 2.790 of the NRC's regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC's Public Document Room. Should you have any questions concerning this letter, we will be pleased to discuss them with you.

Sincerely,

Ramon E. Hall  
Director

Enclosure:  
Appendix - NRC Inspection Report  
40-8584/93-01

cc:  
M. Gibson, Kennecott  
J. Hough, RCPD, WY  
WDEQ

APPENDIX

U.S. NUCLEAR REGULATORY COMMISSION  
URANIUM RECOVERY FIELD OFFICE  
REGION IV

Inspection Report: 40-8584/93-01

License: SUA-1350

Licensee: Kennecott Uranium Company  
Post Office Box 11248  
Salt Lake City, Utah 84147

Facility: Sweetwater Uranium Mill

Inspection At: Sweetwater County, Wyoming

Inspection Conducted: July 7 and 8, 1993

Inspector: Paul W. Michaud, Project Manager

Approved: Edward F. Hawkins  
Edward F. Hawkins, Deputy Director  
Uranium Recovery Field Office  
Region IV

9/2/93  
Date

INSPECTION SUMMARY

Areas Inspected:

Routine announced inspection of the facilities and radiation safety program, including Management Organization and Controls, Operations Review, Operator Training, Radiation Protection, Radioactive Waste Management, Environmental Monitoring and Emergency Preparedness.

Results:

No violations or deviations were identified during this inspection. All items identified in the previous NRC inspection as requiring followup were satisfactorily addressed by the licensee.

Summary of Inspection Findings:

- The subjects covered in the annual radiation safety training were documented in addition to the dates and attendees, closing a previous inspection item.
- The survey instrument for personnel self-monitoring was relocated to minimize the potential for spreading contamination in the office building.
- The licensee submitted an updated radiation safety program and associated standard operating procedures, which are under review by the

NRC. Additional programs and procedures will be upgraded in the future as part of the efforts to bring the facility to an operational capability.

- Discrepancies were noted in the calculation of results from samples for airborne particulate and radon daughter concentrations. The licensee committed to review these items, as described in Section 4 of this report, and inform the NRC of the results.

Attachment:

Persons Contacted and Exit Meeting

DETAILS

**1 MANAGEMENT ORGANIZATION AND CONTROLS (88005)**

The Sweetwater Mill has not operated since 1983, and remains in a standby status. There are five individuals working on site, including one person who lives outside the restricted area and provides site security. The Facility Supervisor is the senior corporate official at the site, and reports to the Vice President of Kennecott Uranium Company, whose office was recently relocated to Gillette, Wyoming.

The Radiation Safety Officer (RSO) reports to the Facility Supervisor and is responsible for site radiological and environmental programs. Monthly radiation safety inspections were performed and documented by the RSO. Three Radiation Work Permits (RWPs) were issued by the RSO since the previous NRC inspection. The RWPs described the jobs to be performed and included appropriate protective clothing, air sampling and bioassay requirements.

The RSO performed an annual review of the facility Standard Operating Procedures (SOPs) on October 30, 1992. As noted in the previous NRC inspection, most of the licensee's procedures were written for an operating facility and are outdated. The licensee submitted an updated radiation safety program and radiation safety procedures to the NRC on March 9, 1993. These have not been implemented pending NRC review and approval. The SOPs for other activities are also in need of updates or revision, since they are essentially only a list of precautions rather than instructions on how to perform a given activity. The licensee indicated that the SOPs for non-radiological activities would be revised in the future as part of the effort to bring the facility to an operational capability.

The inspector reviewed the licensee's annual ALARA audit, submitted on January 29, 1993 in accordance with License Conditions 11.7 and 12.4 of SUA-1350. The audit was performed by the RSO and examined exposure records, bioassay results, inspections, training, surveys and sampling, operating procedures and RWPs to determine if occupational exposures are being managed appropriately. Due to the fact that milling activities have been suspended for over 10 years and the limited and controlled access to areas which remain contaminated, exposures are at a minimum and no reductions appear possible under the concept of ALARA.

The inspector also reviewed the results of the annual land use survey, submitted by the licensee on December 30, 1992. This survey of the area within 5 miles of the mill is required by License Condition No. 11.8 of SUA-1350. The licensee reported that land use in the area has not changed, with livestock grazing, wildlife, hunting, limited uranium exploration and limited oil and gas development and production being the uses of the land. The licensee's potable water wells are the only such sources in the area. The BLM maintains three wells in the area for livestock and wildlife watering which are all upgradient of the site.

No violations or deviations were identified in this area.

## 2 OPERATIONS REVIEW (88020)

The inspector toured the site and mill areas during the course of the inspection. The restricted area fence was observed to be in good condition and properly posted. Most of the fence around the tailings cell has been replaced, and the licensee was in the process of completing this effort. All entrances to the mill were posted in accordance with License Condition No. 9.6. Employee notices required by 10 CFR 19.11 were also conspicuously posted.

An ion exchange facility located in the mill shop building is used for mine water cleanup. This facility, and the associated precipitation and settling tanks located in the yellowcake area of the mill, is operated in accordance with License Condition No. 9.3. The ion exchange facility was shut down in February, 1992, due to a pump failure in the mine pit. Resources were concentrated on tailings cell work, and the system was not repaired and returned to operation until November, 1992, and has been in basically continuous operation since. A total of 13,800 pounds of uranium, in the form of barreled slurry and inventories in the precipitation tank, eluant tank and loaded resin, have been removed from the mine water. This has had some effect on lowering the natural uranium concentration in the mine water. No shipments of slurry or any other radioactive material were made since the previous NRC inspection.

No violations or deviations were identified in this area.

## 3 TRAINING (88010)

Records of radiation safety training provided by the licensee were reviewed by the inspector. Annual refresher training was held for all site employees on May 24, 1993. This training was provided by the RSO, and included videos on fundamentals of radiation safety and occupational exposure risks. The documentation of the subjects covered in the annual refresher training satisfactorily addressed a concern noted in the previous NRC inspection.

The RSO and the facility supervisor attended training on transportation and packaging of radioactive materials in September, 1992 and on the new 10 CFR Part 20 in October, 1992. The mill foreman attended a radiation monitoring workshop in May, 1993.

No new employees were hired by the licensee since the last NRC inspection. Contractors working on site were given oral instructions on basic radiation safety by the RSO and were escorted by a qualified licensee representative the entire time they were inside the restricted area. Monthly safety meetings were held by the RSO, and included topics of general interest as well as training in specific areas, such as industry events and NRC enforcement actions.

No violations or deviations were identified in this area.



## 4 RADIATION PROTECTION (83822)

### 4.1 Internal Exposure Control

The inspector reviewed the licensee's air sampling program, which consists of semiannual sampling for uranium at two locations in the mill (ore crushing and precipitation areas). Samples were collected for one hour with a high volume air sampler, which was calibrated annually. The inspector noted that previous results from the off-site laboratory were reported referencing the non-occupational Table II MPC value for natural uranium. This provided more conservative references than required, and was corrected with the first quarter 1993 report.

Breathing zone air samples were collected quarterly during a mill tour or during work performed under a RWP. Samples were collected for the duration of the tour or work activity at a rate of 2 liters per minute. The lapel samplers were calibrated prior to their use with a bubble tube. All results indicated less than 1 percent of maximum permissible concentrations. For work performed under RWP 2-92 on November 3, 1992, the recorded air sample raw data did not agree with the results reported by the off-site laboratory. The licensee committed to review these results and resolve this discrepancy.

Radon daughter samples were collected semiannually at 12 locations in the mill and 3 locations in the ion exchange area. The samples were collected at 2 liters per minute for 5 minutes using lapel air samplers. Filters were analyzed using the modified Kusnetz method. The inspector noted that the form used to record these results listed the efficiency factor inversely from the way it was applied. This resulted in incorrect calculations of working levels by approximately a factor of 10. The concentrations were low enough that the maximum individual result was still less than 0.1 WL with the correct efficiency applied. The licensee committed to review past radon daughter concentration calculations and records, determine the correct results, and submit a report to the NRC.

Urine samples were collected quarterly from personnel who entered the mill building and from three individuals who following their work under a RWP. The samples were sent to an off-site laboratory for analysis along with spiked samples of 15  $\mu\text{g/l}$  and 30  $\mu\text{g/l}$  uranium. All samples were less than the initial action level of 15  $\mu\text{g/l}$  uranium.

Because of the low levels of the sample results and the exposure period, employee internal exposures were not calculated and are not required by 10 CFR 20.103(a)(3).

### 4.2 External Exposure and Contamination Control

Surveys for external radiation were performed semiannually at 27 locations in the mill and 14 locations in the IX area. The survey meters were calibrated semiannually and all results were less than 0.01 Msv/hr (1 mrem/hr). Because of the low radiation levels, the licensee does not calculate personnel doses from external radiation in accordance with 10 CFR 20.202(a)(1).

Surveys for removable and total alpha contamination were performed semiannually at 16 locations in the mill, 4 locations in the IX area, 1 location in the maintenance shop and 2 locations in the office areas.

Individuals who enter the restricted area must self-monitor for contamination before leaving the site. The survey meter was relocated to minimize the possibility of contaminating the office areas, in response to a concern expressed in the previous NRC inspection.

No violations or deviations were identified in this area.

## **5 RADIOACTIVE WASTE MANAGEMENT (88035)**

The tailings disposal cell at the Sweetwater Mill is a single above and below grade impoundment with a synthetic liner. The licensee had completed maintenance activities on the tailings liner since the last NRC inspection. The upper sections of the liner, which were previously torn, were ballasted as necessary to prevent further degradation. The inspectors observed the liner to be in a well maintained condition within 5 feet of the solution surface, as required by License Conditions 10.4 and 10.7.C.

The licensee reshaped a majority of the exposed tailings within the cell. The contours of the exposed tailings were flattened and small berms were constructed to allow ponding on top of the tailings. Other exposed tailings were wetted by a sprinkler system which pumped water from the tailings cell and from 5 groundwater seepage collection wells. Additional evaporative capacity was accomplished with a drip system on the embankment liner. These efforts appeared successful at both enhancing evaporation and minimizing the potential for blowing tailings.

A total of 21,302,920 gallons of water from the 5 seepage collection wells was returned to the tailings cell in between December 1, 1991, and December 31, 1992, at an average flow rate of 37.3 gallons per minute. This is below the total annual limit of 25 million gallons specified in License Condition No. 10.7.A.

Daily inspections of the embankment, liner and blowing tailings were performed by the licensee. Weekly inspections of embankment stability, liner condition, tailings stability, perimeter fence and general conditions were performed in accordance with License Condition 11.6.

Several shipments of miscellaneous equipment and scrap metal were made in June and July, 1992 and May, 1993. Each item was surveyed by the RSO prior to being removed from the restricted area, and all met the requirements for unrestricted release.

No violations or deviations were identified in this area.

## **6 ENVIRONMENTAL PROTECTION (88045)**

The licensee performs air particulate, radon and direct radiation monitoring in accordance with License Condition No. 11.5. The inspector reviewed the

results of the environmental monitoring program through the second half of 1992. The licensee had submitted this information to the NRC as required by License Condition No. 12.1 and 10 CFR 40.65 in a letter dated February 7, 1993.

Air particulate samples were collected weekly from one downwind location and composited quarterly for analysis. Samples were analyzed for natural uranium, thorium-230 and radium-226. All results were less than three percent of the applicable maximum permissible concentration.

Direct radiation was measured at the downwind monitoring location and a control location in the office building. The highest direct radiation reading for 1992 was 55 millirem in the first quarter.

Radon monitoring was conducted at one downwind and one background location. The licensee continues to find the background monitor reading higher levels than the downwind monitor, with the exception of the third quarter, 1992, which had a net reading of 1.2 Pci/l. Following the last NRC inspection, the licensee assembled data and assessed the monitoring efforts to determine whether enhanced monitoring should continue and the whether the background station should be relocated. The licensee submitted this information to the NRC on September 28, 1992. A historical overview of the environmental radon monitoring program and enhanced efforts was provided and analyzed, with the results proving inconclusive. Upwind radon readings higher than downwind readings have occurred throughout the life of the project, and regardless of the monitoring method used. Also, the sum of exposure data for monthly intervals within a given quarter does not equal or approximate the exposure data for detectors continuously exposed for the entire quarter. Soil samples taken in the vicinity of the upwind monitoring location were below 1.0 Pci/g Ra-226. The inspector concluded that the licensee's data showed that it was not necessary or worthwhile to continue enhanced monitoring efforts, and that the upwind monitor location does not need to be relocated. The environmental radon monitoring results for the Sweetwater site are simply variable and independent of the method or location of the sample. As long as the net result does not indicate concentrations in excess of applicable limits, the licensee's current monitoring program is acceptable.

No violations or deviations were identified in this area.

## 7 EMERGENCY PREPAREDNESS (88050)

Fire protection at the Sweetwater Mill consists of fire extinguishers located throughout the buildings and five fire hose stations at hydrants. Water is supplied from a 250,000 gallon tank by a 1000 gpm pump. The pump is powered by an electric motor (normal) or a diesel engine, and automatically starts when fire main pressure decreases to 75 psi. The fire pump is tested monthly.

Emergency electrical power is available from a 620 kw diesel generator, which is tested monthly. Emergency medical response is available by helicopter from Casper, Wyoming in approximately 30 minutes. Also, a company vehicle could be used as transportation to a hospital in Rawlins, Wyoming in approximately one hour.

No violations or deviations were identified in this area.

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ATTACHMENT

**1 PERSONS CONTACTED**

Oscar A. Paulson, Facility Supervisor  
George W. Worman, Radiation Safety Officer

**2 EXIT MEETING**

An exit meeting was conducted at the conclusion of the inspection on July 8, 1993. The inspector reviewed the purpose and scope and summarized the findings of the inspection.

**APPENDIX C**

**SOILS DATA**

Table C-1. RANGE SITE DESCRIPTIONS

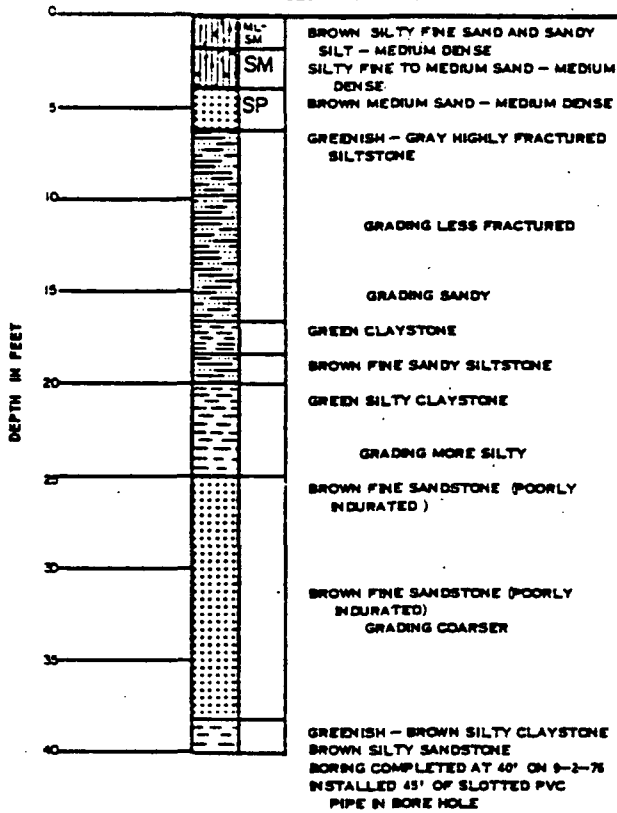
<u>Symbol</u>	<u>Range Site Name</u>	<u>Brief Description for GREEN RIVER AND GREAT DIVIDE BASIN - 7" - 9" p.2.</u>
WL	Wetland	These soils are poorly drained with water above the surface for part of the growing season. The main vegetation is: decreaseers - Nebraska sedge, norther reedgrass, tufted hairgrass and bluejoint reedgrass; increaseers - inland sedge, Baltic rush, forbs and willows.
Sb	Subirrigated	These are deep, organic soils with a water table near the surface for most of the growing season. The principal vegetation is: decreaseers - basin wildrye, tufted hairgrass and Nebraska sedge; increaseers - western wheatgrass, inland sedge, forbs, shrubby cinquefoil and willows.
SS	Saline Subirrigated	These are deep saline soils that have a water table near the surface for most of the growing season. The main vegetation is: decreaseers - alkali sacaton, basin wildrye and Nuttail alkaligrass; increaseers - alkali muhly, inland saltgrass, western wheatgrass and greasewood.
LL	Lowland	The soils of this site are deep, well drained, with a water table below 3 feet, and are found along streams. The principal vegetation is: decreaseers - basin wildrye, Letterman needlegrass, needleandthread grass, and bluebunch wheatgrass; increaseers - thickspike wheatgrass, needleleaf sedge, cottonwoods and silver buffaloberry.
SL	Saline Lowland	The soils of this site are deep, saline, and usually found along streams. The principal vegetation is: decreaseers - western wheatgrass, alkali sacaton, fourwing saltbush and Gardners saltbush; increaseers - inland saltgrass, inland sedge, alkali muhly, greasewood and rubber rabbitbrush.
Sa	Sands	The soils of this site are coarse textured sands that sometimes form dunes. The vegetation is: decreaseers - needleandthread, thickspike wheatgrass, Indian ricegrass and bottlebrush squirreltail; increaseers - needleleaf sedge, galleta, forbs, shadscale and silver sagebrush.
Sy	Sandy	The soils of this site are mainly loamy kinds of sands that are deep. The main vegetation is: decreaseers - needleandthread grass, bluebunch wheatgrass and Canby bluegrass; increaseers - thickspike wheatgrass, needleleaf sedge, big sagebrush and low rabbitbrush.
Ly	Loamy	The soils of this site are deep loams that usually occur in an upland position. The principal vegetation is: decreaseers - needleandthread grass, bluebunch wheatgrass, Indian ricegrass and winterfat; increaseers - thickspike wheatgrass, Sandberg bluegrass, big sagebrush and low rabbitbrush.
Cy	Clayey	The soils of this site are deep and fine textured that usually occur in the lowland position. The main vegetation is: decreaseers - western wheatgrass, bottlebrush squirreltail, bud sagebrush and Gardners saltbush; increaseers - needleleaf sedge, Sandberg bluegrass, big sagebrush and low rabbitbrush.
DC	Dense Clay	The soils of this site are deep heavy clays that take up water very slowly. The main vegetation is: decreaseers - western wheatgrass, Indian ricegrass and bud sagebrush; increaseers - Sandberg bluegrass, low sagebrush and birdsfoot sagebrush.
SwSy	Shallow Sandy	The soils of this site are sandy loams that are sometimes rather coarse and usually found on southwest facing slopes. The main vegetation is: decreaseers - needleandthread grass, bluebunch wheatgrass, Indian ricegrass and winterfat; increaseers - galleta, needleleaf sedge, forbs and low rabbitbrush.
SwLy	Shallow Loamy	The soils of this site are shallow loams over limestones and shales. The principal vegetation is: decreaseers - bluebunch wheatgrass, Indian ricegrass, needleandthread grass and thickspike wheatgrass; increaseers - needleleaf sedge, Sandberg bluegrass, forbs, low rabbitbrush, low sagebrush and big sagebrush.

Source: U.S. Soil Conservation Service, Wyoming, 1970.

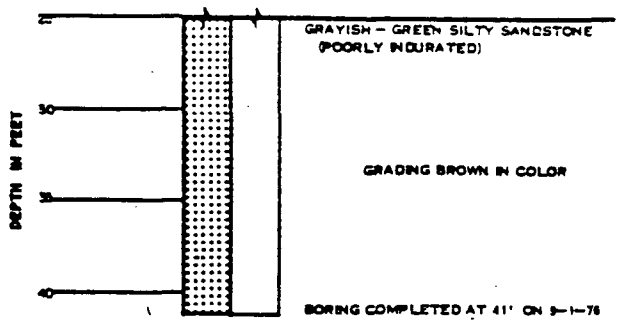
Note: The range sites above are listed in the normally presumed order of the productivity in "excellent" condition.

### BORING 1

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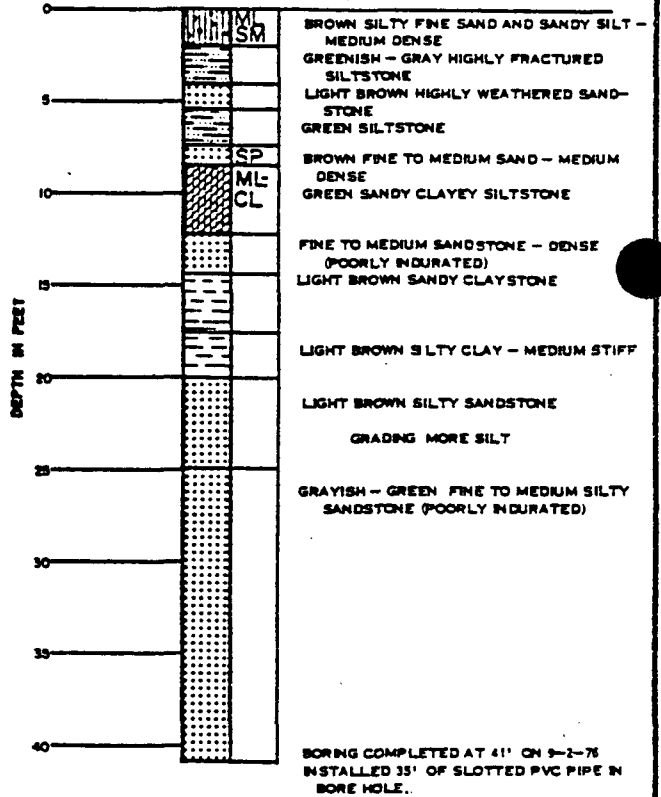


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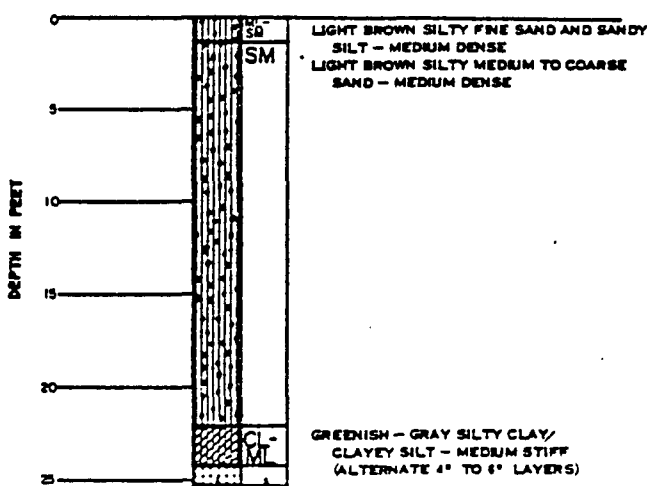
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ELEVATION 6652'



### BORING 2

ELEVATION 6638'



## LOG OF BORINGS

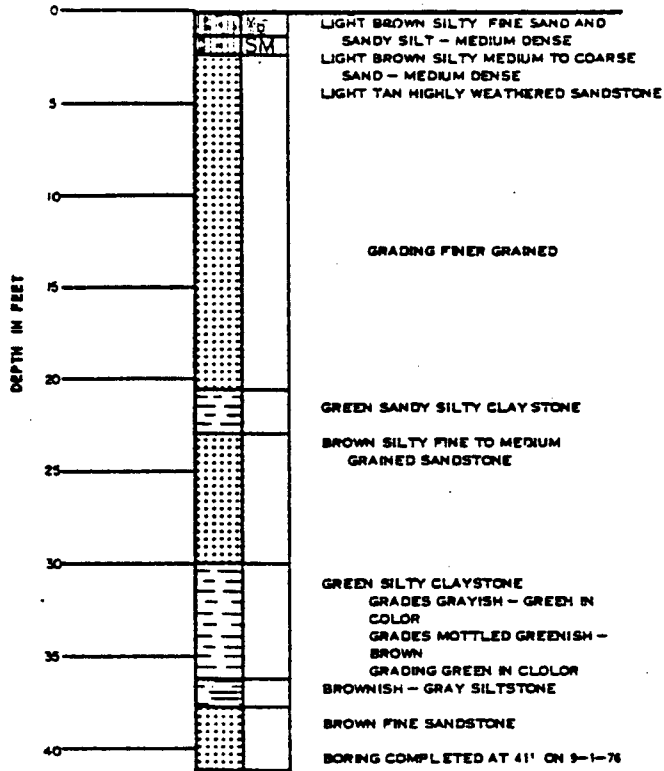
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BY \_\_\_\_\_ DATE \_\_\_\_\_  
BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

FILE NO. 09-14-001-11-11-11-11  
BY N.B. DATE 9-1-76  
CHECKED BY N.B. DATE 9-1-76



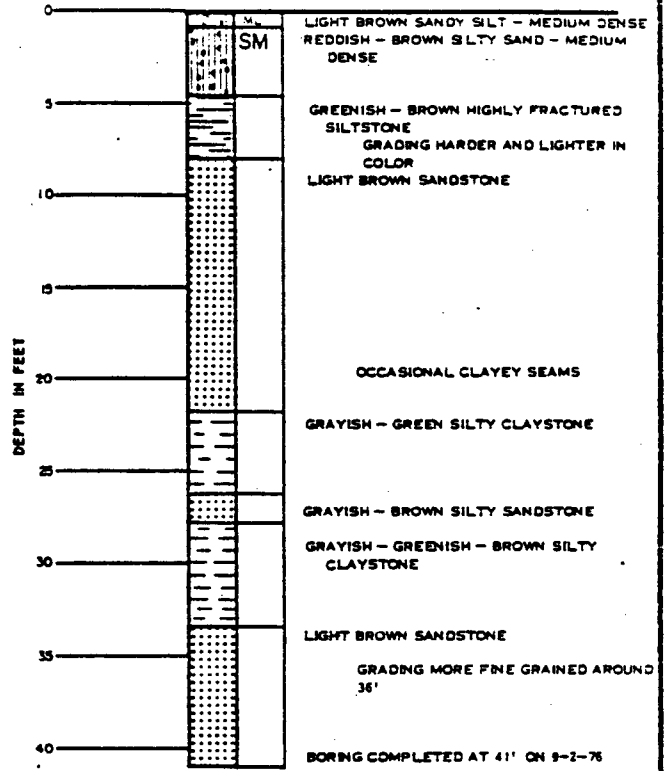
### BORING 4

ELEVATION 6436'



### BORING 5

ELEVATION 6446'



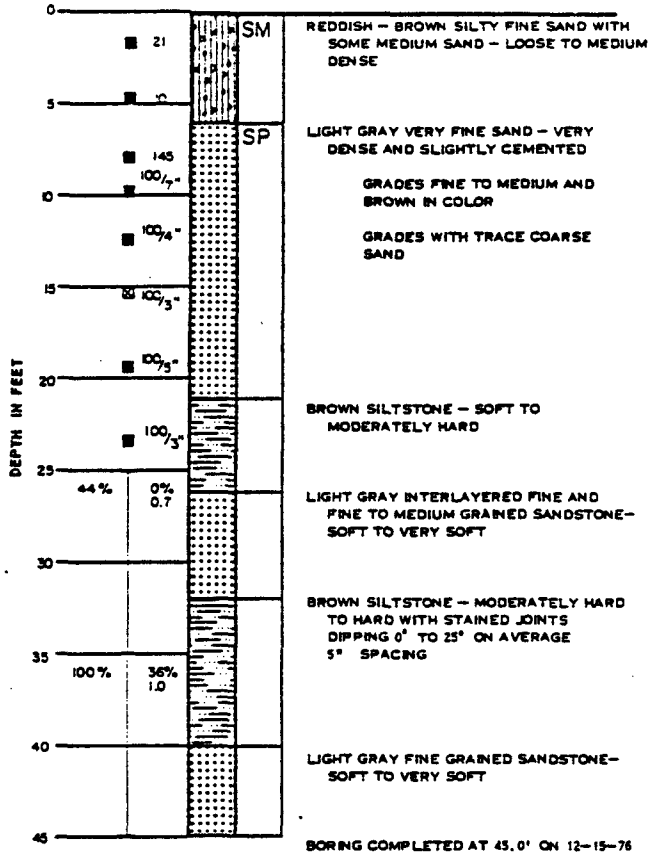
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FILE \_\_\_\_\_  
 BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY *Randy* DATE *9/2/76*

## LOG OF BORINGS

# BORING P-1

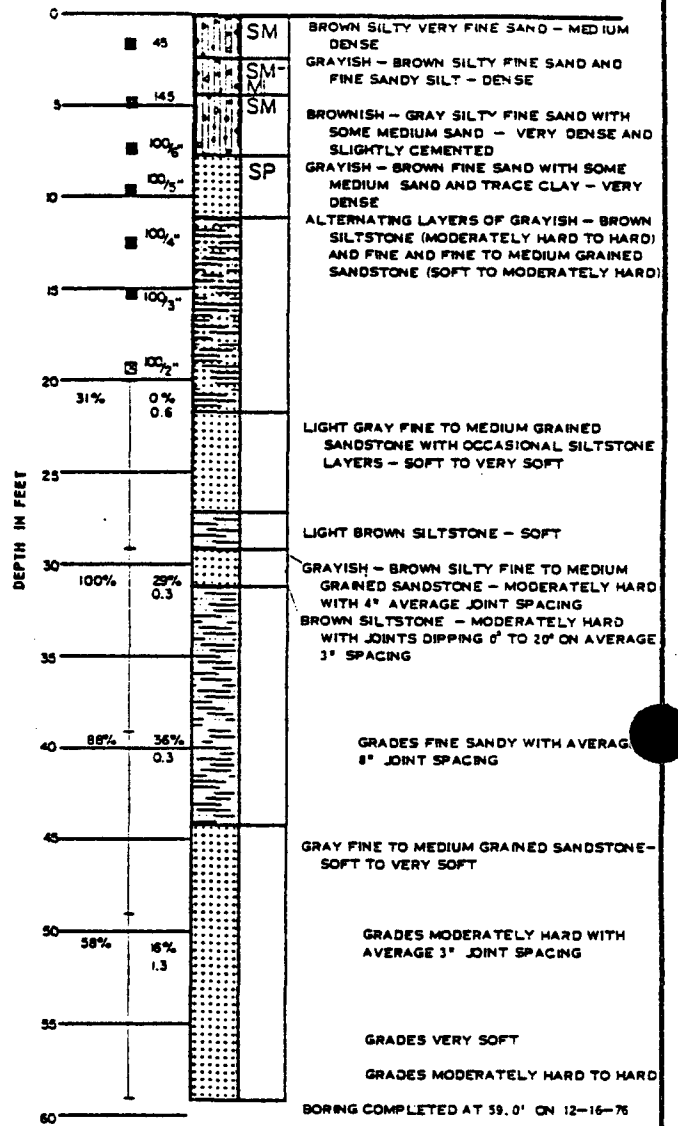
ELEVATION 6646'



BORING COMPLETED AT 45.0' ON 12-15-76

# BORING P-2

ELEVATION 6637'



BORING COMPLETED AT 59.0' ON 12-16-76

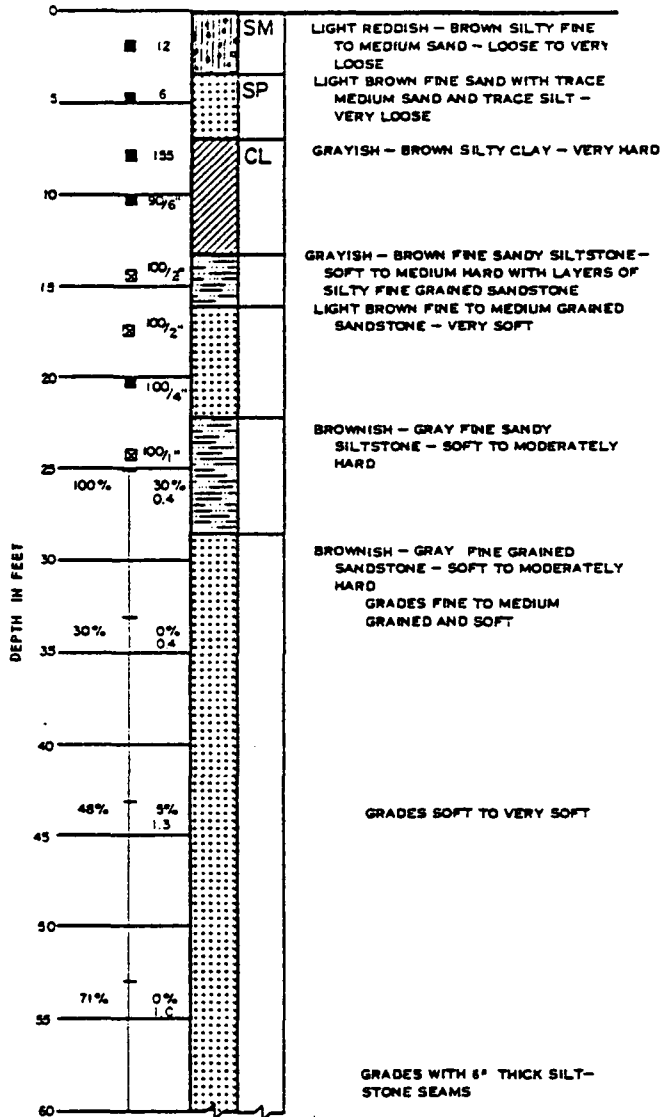
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FILE 5142-DC-2-11-50-1  
BY *[Signature]* DATE 1-5-77  
CHECKED BY *[Signature]* DATE 2-2-77

## LOG OF BORINGS

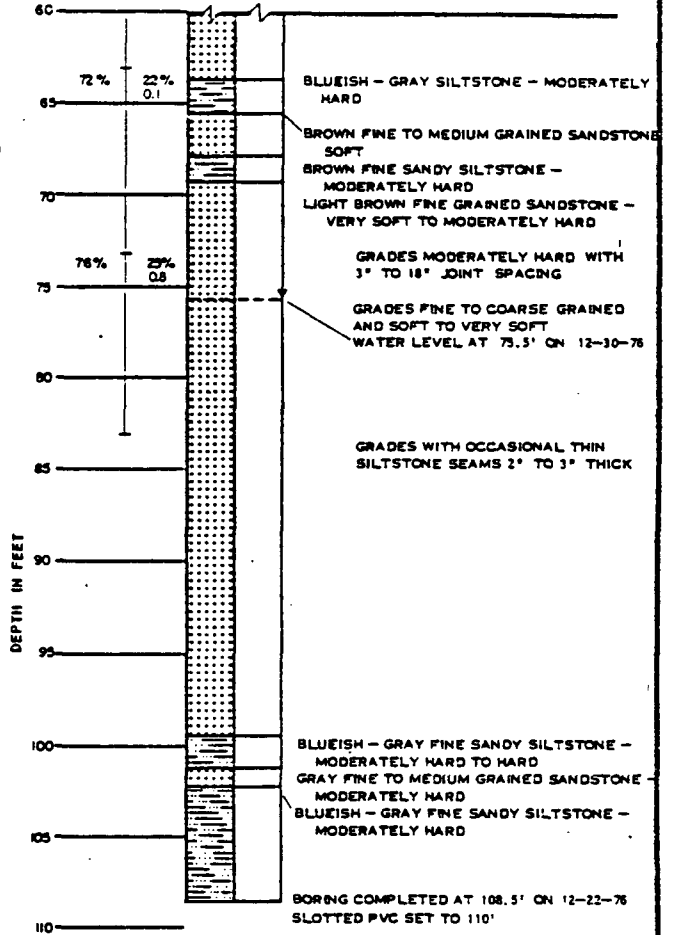
# BORING P-3

ELEVATION 6629'



# BORING P-3 (CONTINUED)

ELEVATION



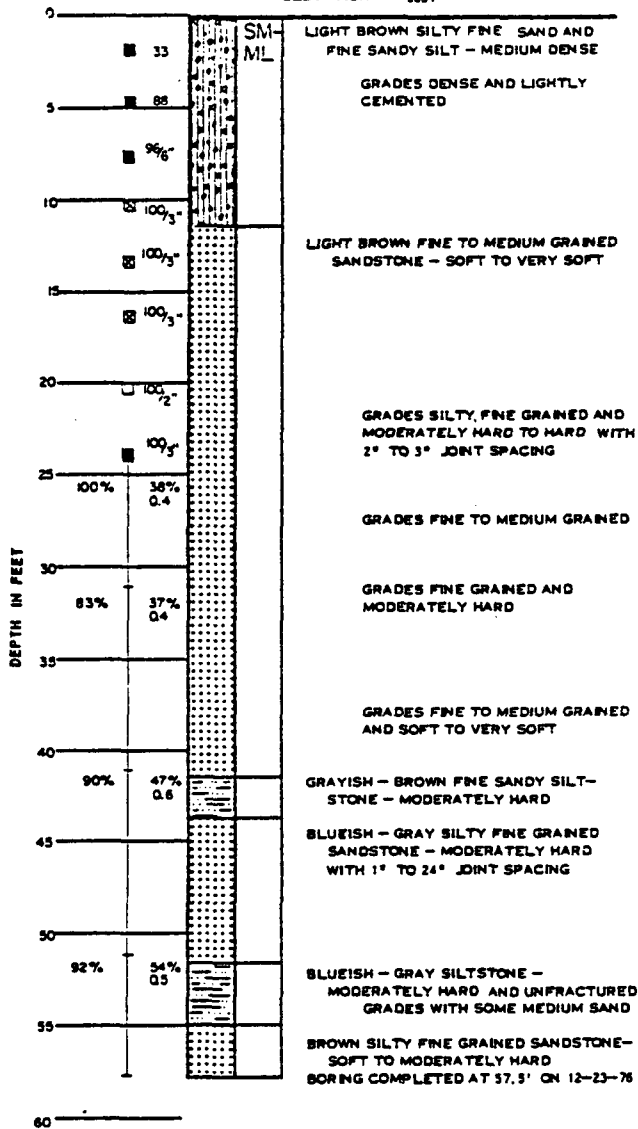
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BY: [Signature] DATE: 1-5-78  
CHECKED BY: [Signature] DATE: 2-13-78

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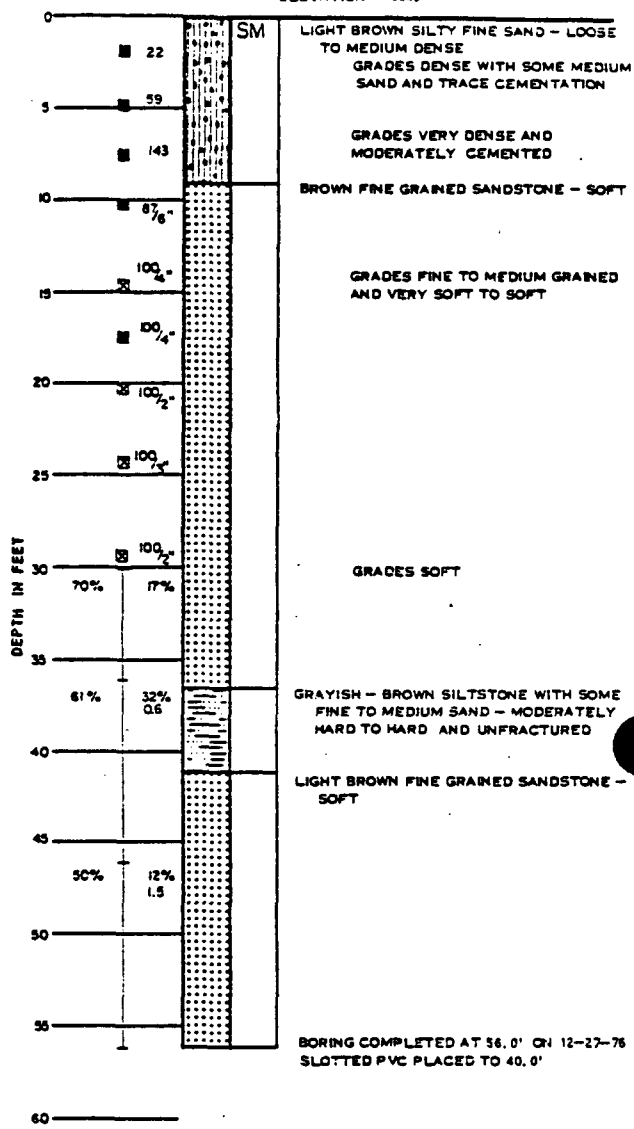
### BORING P-4

ELEVATION 6637'



### BORING P-5

ELEVATION 6649'

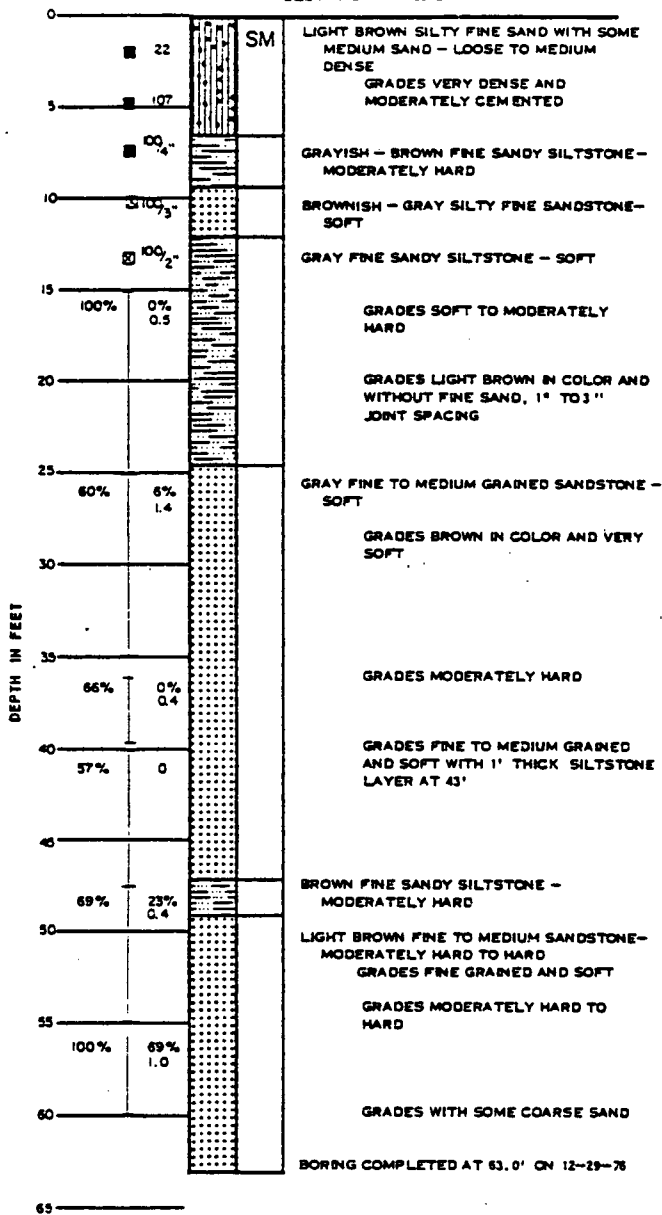


REVISIONS BY DATE OF  
FILE 1741-002 2/23/77  
BY M. J. [unclear] DATE 1-5-77  
CHECKED BY [unclear] DATE 2-23-77

## LOG OF BORINGS

# BORING P-6

ELEVATION 6642'



REVISIONS  
BY \_\_\_\_\_ DATE \_\_\_\_\_  
BY \_\_\_\_\_ DATE \_\_\_\_\_  
PLATE \_\_\_\_\_ OF \_\_\_\_\_

FILE 91-A-002  
BY 22.5.83 DATE 1-5-88  
CHECKED BY W. DATE 3-1-87

## LOG OF BORINGS

DATE BEGAN: 5/27/82		BORING NO CRE 4041A		FIELD ENGINEER R.L. Beaubien		
DATE FINISHED: 5/29/82		N 148322 E 327286		CHECKED BY R.L. Beaubien		
GROUND SURFACE EL: 6648.80						
ELEV (FEET)	DEPTH (FEET)	SAMPLE TYPE	INDEX	DESCRIPTION	PENETRATION RESISTANCE (BLOWS PER FOOT)	WATER CONTENT (PERCENT)
					10 20 30	20 40
				Rotary-drilled to 10 feet to set surface casing, cuttings were mixture of quartz, subangular sand and silt, sand is medium to coarse grained.		
6640	10			10.0'		
	15			14.5-16' light brown siltstone to very fine sandstone, poorly consolidated. 16-16.5 feet, whitish, coarse-grained, subangular sandstone, mostly quartz. 16.5-17.5 feet, orangish-brown, fine to very fine-grained sandstone. 17.5'		
6630	20			17.5-21.5' no recovery, probably loose sand or sandstone		
	25			21.5-23.2' core lost, probably sandstone. 23.2-31.5' sandstone, poorly sorted, medium to very coarse grained, subangular, gray to light orange-brown, poorly to moderately consolidated (26.6-27.7%), 95% quartz, minor mafics.		
6620	30			31.5'		
	35			Sandstone, similar to above, poorly sorted, med. to very coarse grained. 36.0-36.2' limonite staining. 35.4-37.4' moderately consolidated. 37.4-39.3' very loose. 39.3-39.4' olive siltstone. 39.4-39.5' loose sand, some pebbles in sands.		
6610	40			41.0'		
	45			Siltstone, olive, hard. Jammed core barrel, frac. healed. 41.0-41.5' blue-green up to 5% coarse sand grains in siltstone matrix.		
6600	50			47.9'		
	55			Siltstone, same as above.		
	60			Siltstone, as above.		
	65			Very fine sandstone or siltstone as above, olive, hard. 55.8-56.4' blue-gray, but otherwise as above.		
6590	60			56.4-56.7' blue-gray very fine sandstone as above. 56.7-59.5' olive, very fine to fine sandstone as above. Suggested to have been run, only 1.0' recovered, rock at 59.1' shows rounding from core spinning on top, presumed location of loss.		
	65			59.3-61.3' blue-gray very fine sandstone as above. 61.8-71.4' very fine sand grading to very coarse sand back to very fine, poorly sorted, poorly consolidated, brownish-green. Great difficulty getting core out of barrel.		
6580	70			71.4'		
	75			No recovery probably sand. Ran out of water 9' into run, by the time more water was available, the rods had sanded in. Freeing the rods probably dislodged the core, especially if it was the same as sands above.		
6570	80			81.4'		
	85			81.8-84.0' laminated siltstone with limonite, disrupted bedding, some clayey chunks. 81.0-84.1' coarse to very coarse sandstone with white calcite cement, possibly calcite layer. 84.1-84.2' same as above without calcite. 84.2-84.7' gravist sandy siltstone. 84.7-89.3' medium-grained sandstone, 95% quartz, 5% mafics, yellow-brown. 89.3-91.4' blue-gray very fine sandstone to siltstone grading down to 89.3' to greenish, medium to coarse-grained sandstone, some limonite.		
6560	90			91.4'		
6557.50	91.4			Bottom of Boring		

**SMI**  
SHEPHERD MILLER, INC.

APPENDIX C  
BORING CRE4041A LOG  
DAMES & MOORE, 1982

Date: JUNE, 1993  
Project: 423  
File: CRE4041A

DATE BORING		BORING NO		FIELD NUMBER		CONDUCTED BY	
5/11/82		CRE 4047		S. L. Beardsley		A. H. Donaldson	
DATE COMPLETED		N		E			
1/1/82		2493.13'		227510			
DEPTH (FEET)	DEPTH (METERS)	SAMPLE TYPE	DESCRIPTION	PERCENTAGE (BLOWS PER FOOT)	WATER CONTENT (PERCENT)		
10	3			10	20	30	40
6460	3		Light brown to whitish very fine sand, 0.5 mm calcite stringers.				
	5		Medium sand.				
	10		Coarse to very coarse sand.		50/0.0		
6450	15		Fine to medium sand. Large poorly-sorted sand, some silt and clay, trace lignite.		50/0.1		
	20		Light green-gray very fine sandstone, up to 5% mafics. (upper 0.7' of run is heavily fractured with iron oxide staining on fracture surfaces)				
6440	25		24.7'				
	30		Light green-gray, fine sandstone to siltstone. (High angle fracture at 25.0' with iron oxide on surface, iron staining also on bedding plane partings).				
6430	35		36.7'				
	40		36.7-38.5' light green well-consolidated sandy siltstone. Iron staining in breaks 38.5-38.9' light orange-brown siltstone with carbonaceous trace 38.9-39.9' light green, loose fine sandstone 39.9-44.5' light green siltstone with sand and carbon				
6420	45		44.5-47.6' core lost				
	50		47.6-51.2' loose, greenish-brown medium sand, poorly sorted				
6410	55		51.2-52.5' blue-gray siltstone 52.5-52.7' light olive siltstone; very fine sandstone with iron oxide. 52.7-54.7' light greenish-brown loose sand, poorly sorted.				
	60		Fine to medium sand (identified from cuttings).				
6400	65		64.7'				
	70		Poorly-sorted sandstone ranging from silt to pebbles, 95% quartz, some mica.				
6390	75		74.7'				
	80		Loose, fine to medium quartz sand, 5% mafics and mica.				
6380	85		Lower 0.3' is tightly cemented with calcite.				
	90		84.7'				
	95		Sand cuttings, no recovery.				
6370	100		94.7'				
	105		Tan quartz sandstone, 5% mafics and mica, poorly consolidated, poorly sorted.				
6360	105		104.7'				
	110		Tan, medium, loose quartz sand, 2% mafics and mica.				
6350	114.7		114.7'				
6348.47	114.7		Bottom of Boring				

**SMI**  
SHEPHERD MILLER, INC.

APPENDIX C  
BORING CRE4047 LOG  
DAMES & MOORE, 1982

Date: JUNE, 1993  
Project: 423  
File: CRE4047

DATE BORING		BORING NO OR LOG NO		FIELD ENGINEER	
5/3/82		N 136332 E 22228		A. J. Bannister	
DATE SAMPLED		CITY		STATE	
5/3/82		CHICAGO		ILL.	
COUNCIL DISTRICT NO.		SHEET NO.		TOTAL SHEETS	
4424, 41		1		1	
BLVD	DEPTH	DEPTH	DESCRIPTION	WATER TABLE	WATER CONTENT
(1987)	(1987)	(1987)		(LOW) (MO) (HIGH)	(%)
				4	10
				8	18
				12	18
				16	18
				20	18
				24	18
				28	18
				32	18
				36	18
				40	18
				44	18
				48	18
				52	18
				56	18
				60	18
				64	18
				68	18
				72	18
				76	18
				80	18
				84	18
				88	18
				92	18
				96	18
				100	18
				104	18
				108	18
				112	18
				116	18
				120	18
				124	18
6430	5	5	Loose brown silty sand, poorly sorted, fine to medium grained (0.4' - 0.5', green siltstone).		
	10	10			
	11.0'			10.04'	
	13.6'		Loose sand, very poorly sorted.		
6440	15	15	Loose gray tan sand, poorly sorted, slightly micaceous.		
	20	20			
	24.7'				
6450	25	25	Sandstone, poorly sorted, poorly consolidated, micaceous, gray-green.		
	30	30			
	36.7'				
6460	40	40	Orange-tan to gray-tan sandstone, poorly sorted, poorly consolidated, trace carbonaceous material, locally well cemented with calcite.		
	45	45			
	46.7'				
6470	50	50	Tan sandstone, poorly sorted, poorly consolidated, micaceous, trace carbonaceous material, locally silty.		
	55	55			
	56.7'				
6480	60	60	Light tan-brown sand, poorly sorted, poorly consolidated to loose, slightly micaceous.		
	65	65			
	66.7'				
6490	70	70	Tan to gray-green siltstone, moderately consolidated, iron stained on fracture surfaces, trace carbonaceous material, locally silty.		
	75	75	Light gray to reddish-brown sandstone, poorly sorted, moderately consolidated, abundant iron oxide.		
	76.7'				
6500	80	80	Brown-tan sandstone, poorly sorted, poorly consolidated, slightly micaceous, some iron oxide.		
	85	85			
	86.7'				
6510	90	90	Sandstone with pebbles of green siltstone, green to blue.		
	95	95	Blue siltstone, well consolidated, contains stringers of sand.		
	91.7'				
	96.7'				
	95.9'				
6520	100	100	Light olive sandstone, poorly sorted, poorly to moderately consolidated.		
	105	105			
	106.7'				
6530	110	110	Sand cuttings.		
	115	115			
	114.7'				
6540	120	120	Light blue, very fine sandstone, micaceous towards bottom, poorly to moderately consolidated, thin zone of coarse sand in upper part.		
	124.7'				
6550	124.7'	124.7'	Bottom of boring		

**SMI**  
SHEPHERD MILLER, INC.

APPENDIX C  
BORING CRE4064 LOG  
DAMES & MOORE, 1982

Date: JUNE, 1993

Project: 423

File: CRE4064



DATE BORING		BORING NO CRE 4065		FIELD OPERATOR	
DATE SAMPLED		N 130013		A. S. BULLOCK	
CORRECTED DEPTH		E 21600			
DEPTH	DEPTH	DESCRIPTION	PERCENTAGE	PERCENTAGE	PERCENTAGE
FEET	METERS		WATER	SAND	GRAVEL
		Loose sand, poorly sorted, grading to orange, fine to medium grained silty sand.			
6630	10				
		Loose, orange-brown quartz sand, poorly sorted, 25 mica.			
6650	20				
		Loose, orange-brown sand, moderately sorted, siliceous.			
6630	30				
		Whitish to bluish sandstone, poorly sorted, well cemented with calcite.			
6630	35				
		Loose sand, poorly sorted at bottom of run.			
6620	40				
		Loose sand, no recovery			
6620	45				
		45.2-49.1' core lost			
		49.1-50.0' gray to orange sandstone, poorly sorted, poorly to moderately consolidated, mica			
6620	50				
		50.0-51.3' light olive very fine sandstone to siltstone, siliceous fine grained, moderately consolidated			
		51.3-52.7' light olive siltstone			
		52.7-54.1' light olive siltstone			
		54.1-55.5' core lost--Loose sand cm. poorly sorted			
		55.5-56.9' gray to orange sandstone, locally bluish, iron staining			
6620	60				
		60.0-61.4' orange-brown sandstone, fine to medium grained, moderate consolidation			
		61.4-62.8' gray to orange sandstone, fine to medium grained, moderate consolidation			
6620	65				
		65.2-66.6' core lost			
		66.6-68.0' orange-tan very fine grained sandstone, well cemented			
6590	70				
		68.1-70.3' cm siltstone, trace carbonaceous material			
		70.3-70.5' blue-gray siltstone, poorly sorted			
		70.5-71.9' blue-gray siltstone, moderately consolidated			
		71.9-73.3' blue-gray siltstone, moderately consolidated			
		73.3-74.7' blue-gray siltstone, moderately consolidated			
6580	80				
		74.7-76.1' blue-gray siltstone, moderately consolidated, fine towards bottom			
		76.1-77.5' olive sandstone, fine grained, moderately consolidated, siliceous			
6580	85				
		77.5-78.9' sandstone as above			
		78.9-80.3' blue-gray sandstone, moderately hard			
		80.3-81.7' olive sandstone, fine grained, siliceous			
6570	90				
		81.7-83.1' olive sandstone, fine to medium grained, siliceous, poorly consolidated			
		83.1-84.5' blue-gray siltstone, very fine sandstone, mod.			
		84.5-85.9' light olive siltstone, moderately hard siltstone			
		85.9-87.3' light olive siltstone, very poorly sorted, silty, mod.			
		87.3-88.7' blue-gray siltstone, very poorly sorted, silty, mod.			
6570	100				
		consolidated			
		Blue-gray sandstone, moderately consolidated, poorly sorted sand to sandy silt, locally siliceous			
6570	105				
		105.2-113.3' blue-gray variable sandstone, as above			
6570	110				
		113.3-114.7' gray loose sand, fine to medium grained, siliceous			
		114.7-120.3' core lost			
		120.2-120.7' gray sandstone, poorly consolidated siliceous, fine to medium grained			
6540	120				
		120.7-125.2' blue-gray siltstone, locally sandv, moderately hard			
6535.30	125.2				
		Bottom of boring.			

**SMI**  
SHEPHERD MILLER, INC.

APPENDIX C  
BORING CRE4065 LOG  
DAMES & MOORE, 1982

Date: JUNE, 1993  
Project: 423  
File: CRE4065

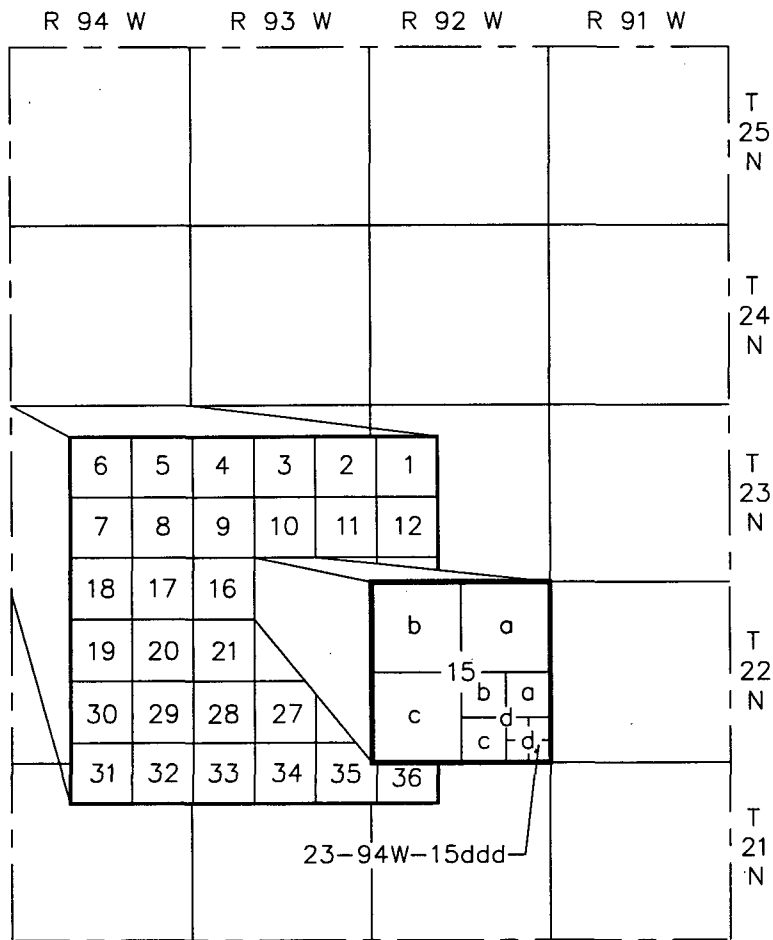
DATE BORING		BORING NO		FIELD NUMBER	
6/7/82		CRE 4066		S.T. Lambdin	
DATE RECORDED		N		E	
6/21/82		130369		327790	
CORRECTED DEPTH (ft)		SAMPLE NO		REMARKS	
5452.10				S. H. Dogliano	
DEPTH (ft)	DEPTH (ft)	DESCRIPTION	REMARKS	WATER CONTENT (%)	SHRINKAGE (%)
			1	2	3
5452.10	5	Hard brown sandy silt.			
	5				
	10	Loose medium sand.			
	10	Hard brown sandy silt.			
	10				
5452.10	13	Light green sandy silt.			
	13	Light green to tan loose sand and silt.			
	13				
	20	Sand (cuttings).			
	20				
5452.10	25	Interbedded loose, buff sand and hard greenish-gray sandstone, micaceous.			
	25				
5452.10	35	Grayish-green silty sandstone, moderately consolidated, fine to medium grained, trace plant levels, iron oxide staining on fracture/bedding plane surfaces.			
	35				
5452.10	45	Hard silty siltstone.			
	45	Loose white, coarse-grained sand, gets finer and darker towards bottom.			
	45				
5452.10	55	Gray green to black carbonaceous shale/siltstone.			
	55	Light green silty sandstone, poorly sorted and consolidated.			
	55	Green sandy siltstone, moderately consolidated, blue-gray at bottom.			
	55				
5452.10	65	Green fine-grained sandstone.			
	65	Loose, greenish-tan sand, micaceous, poorly sorted.			
	65				
5452.10	75	White to bluish sandstone, green siltstone.			
	75	Green-green loose sand, fine, micaceous.			
	75	Green-gray, fine grained sandstone, grading to very fine-grained sandstone/siltstone (blue gray from 78.3-83.4').			
	75				
5452.10	85	Loose, greenish-gray sand, poorly sorted, trace size.			
	85				
5452.10	95	Green-gray and bluish-white sandstone, poorly sorted, cemented with calcite, blue-white to tan.			
	95				
5452.10	105	(AS ABOVE)			
	105	Green to blue-green siltstone, iron staining on horizontal fracture surfaces.			
	105	Blue-gray sandstone, imp. color, calcite cementation, calcite.			
	105	Blue-green siltstone, micaceous, iron staining on fracture surfaces.			
	105				
5452.10	115	Blue-green, very fine-grained sandstone to siltstone, moderately consolidated, micaceous, intact.			
	115				
5452.10	120	Bottom of boring.			
	120				



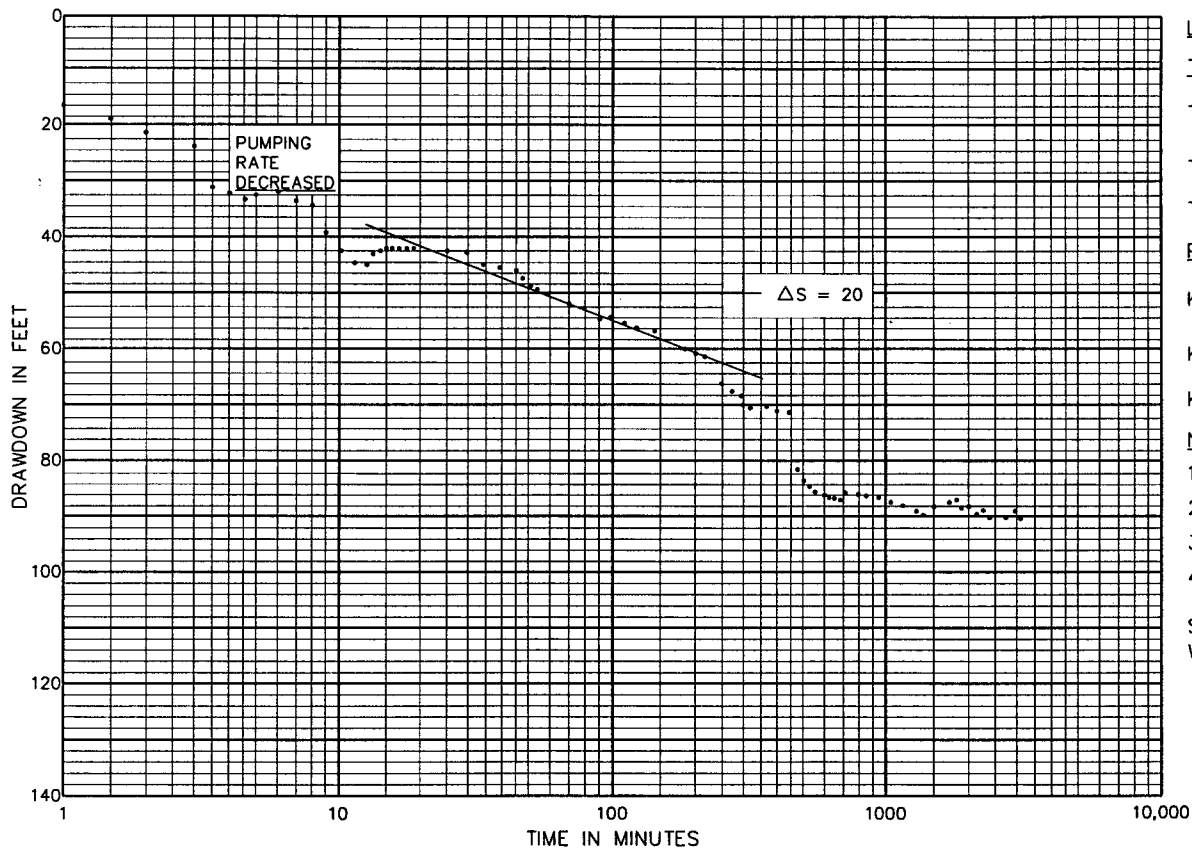
APPENDIX C  
BORING CRE4066 LOG  
DAMES & MOORE, 1982

Date:	JUNE, 1993
Project:	423
File:	CRE4066

**APPENDIX D**  
**HYDROLOGY AND WATER QUALITY**



EXPLANATION: Well and test hole numbers in this report describe the location of wells and test holes as follows: first number, township; second number, range; third number, section; first letter, 160-acre tract (quarter section) within that section; second letter, 40-acre tract (quarter-quarter section) within that quarter section; third letter, 10-acre tract (quarter-quarter-quarter section) within that quarter-quarter section. The 160-acre, 40-acre, and 10-acre tracts are designated a, b, c, and d in a counterclockwise direction beginning in the northeast corner. For example, well 23-24W-15ddd is in the SE1/4SE1/4SE1/4 Sec. 15, T23N, R94N. When two or more wells are located in the same 10-acre tract, the wells are numbered serially in the order they were inventoried.



LEGEND

TRANSMISSIVITY

$$T = \frac{264Q}{\Delta S}$$

$$T = \frac{(264)(30)}{20}$$

$$T = 396 \text{ GPD/FT}$$

T = TRANSMISSIVITY

Q = PUMPING RATE

$\Delta S$  = CHANGE IN DRAWDOWN PER LOG CYCLE.

PERMEABILITY

$$K = \frac{T}{m}$$

$$K = \frac{396}{43}$$

$$K = 9.2 \text{ GPD/FT}^2$$

K = PERMEABILITY

T = TRANSMISSIVITY

m = SATURATED THICKNESS

NOTES:

1. STATIC WATER LEVEL: 50.9'.
2. PUMP INTAKE SET AT 310.0'.
3. PUMPING RATE: 30 GPM.
4. TEST CONDUCTED ON MAY 25-27, 1976.

SOURCE: MINERALS EXPLORATION COMPANY AND WOODWARD-CLYDE CONSULTANTS.

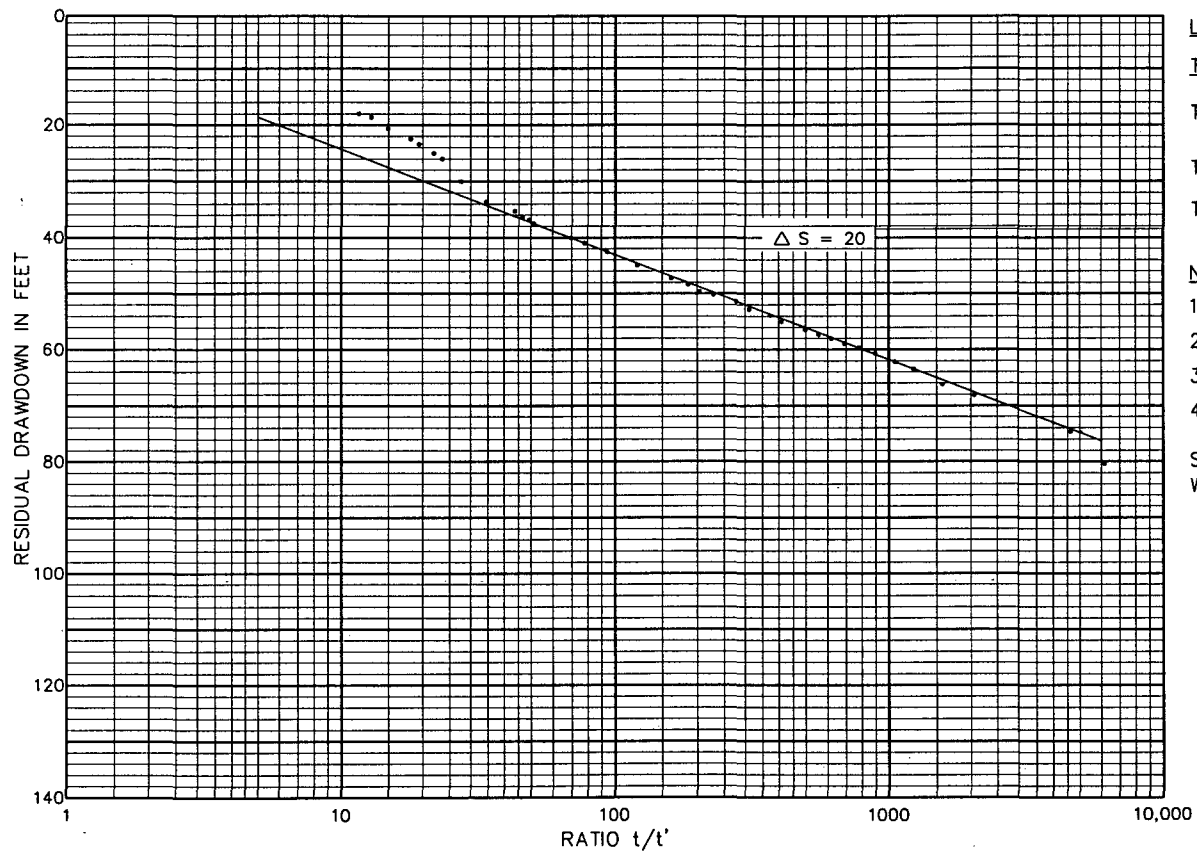
**SMI**  
SHEPHERD MILLER, INC.

FIGURE D-2  
DRAWDOWN VS. TIME (JACOB METHOD),  
WATER WELL 24-93-20dd, PUMP TEST 1

Date: FEB., 1994

Project: 423

File: FIGD-02



**LEGEND**

**TRANSMISSIVITY**

$$T = \frac{264Q}{\Delta S'}$$

$$T = \frac{(264)(30)}{20}$$

$$T = 396 \text{ GPD/FT}$$

T = TRANSMISSIVITY

Q = PUMPING RATE

$\Delta S'$  = CHANGE IN DRAWDOWN  
PER LOG CYCLE.

**NOTES:**

1. STATIC WATER LEVEL: 50.9'.
2. PUMP INTAKE SET AT 310.0'.
3. PUMPING RATE: 30 GPM.
4. TEST CONDUCTED ON MAY 27, 1976.

SOURCE: MINERALS EXPLORATION COMPANY AND  
WOODWARD-CLYDE CONSULTANTS.

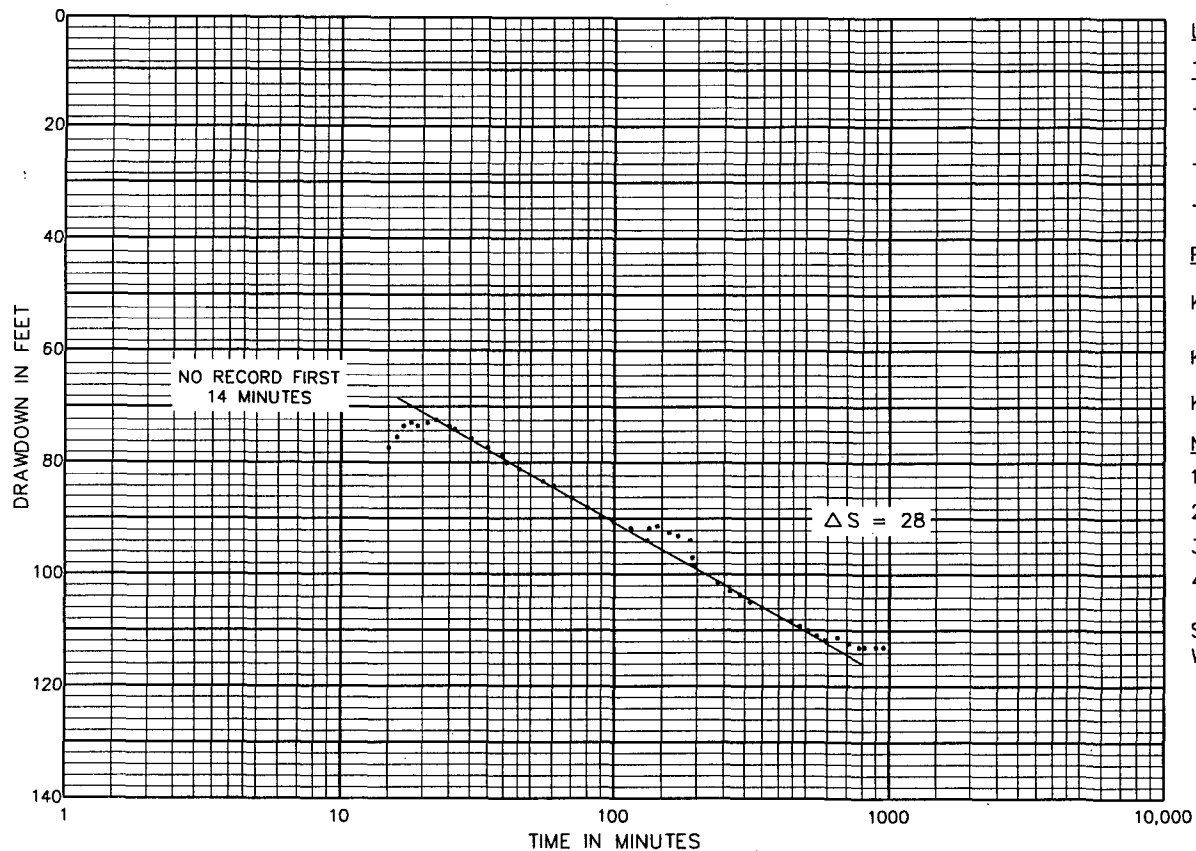
**SMI**  
SHEPHERD MILLER, INC.

FIGURE D-3  
RECOVERY DATA PLOT, WATER WELL  
24-93-20dd, PUMP TEST 1

Date: FEB., 1994

Project: 423

File: FIGD-03



LEGEND

TRANSMISSIVITY

$$T = \frac{264Q}{\Delta S}$$

$$T = \frac{(264)(45)}{28}$$

$$T = 425 \text{ GPD/FT}$$

T = TRANSMISSIVITY

Q = PUMPING RATE

$\Delta S$  = CHANGE IN DRAWDOWN  
PER LOG CYCLE.

PERMEABILITY

$$K = \frac{T}{m}$$

$$K = \frac{425}{43}$$

$$K = 9.9 \text{ GPD/FT}^2$$

K = PERMEABILITY

T = TRANSMISSIVITY

m = SATURATED THICKNESS

NOTES:

1. STATIC WATER LEVEL: 68.6'.
2. PUMP INTAKE SET AT 310.0'.
3. PUMPING RATE: 45 GPM.
4. TEST CONDUCTED ON MAY 27-28, 1976.

SOURCE: MINERALS EXPLORATION COMPANY AND  
WOODWARD-CLYDE CONSULTANTS.

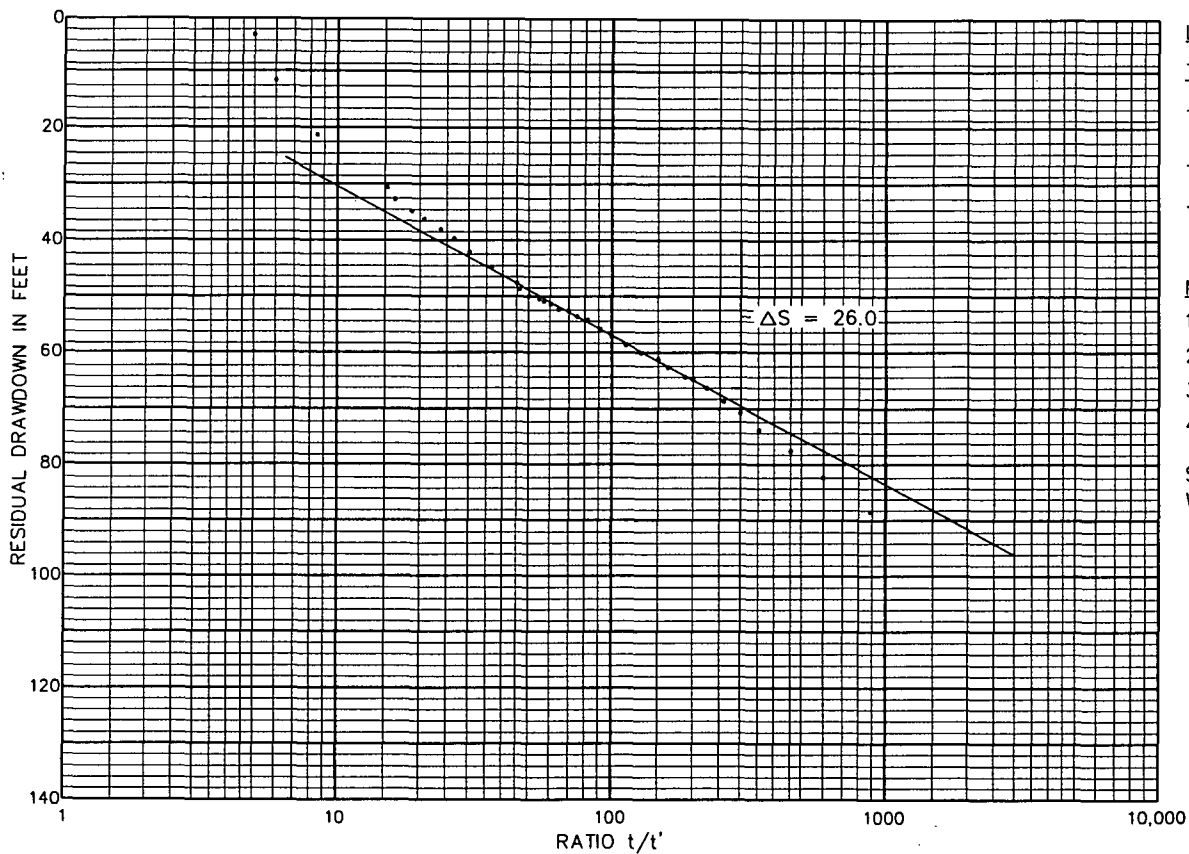
**SMI**  
SHEPHERD MILLER, INC.

FIGURE D-4  
DRAWDOWN VS. TIME (JACOB METHOD),  
WATER WELL 24-93-20dd, PUMP TEST 2

Date: FEB., 1994

Project: 423

File: FIGD\_04



**LEGEND**

**TRANSMISSIVITY**

$$T = \frac{264Q}{\Delta S'}$$

$$T = \frac{(264)(45)}{26}$$

$$T = 457 \text{ GPD/FT}$$

T = TRANSMISSIVITY

Q = PUMPING RATE

S' = CHANGE IN DRAWDOWN PER LOG CYCLE.

**NOTES:**

1. STATIC WATER LEVEL: 68.6'.
2. PUMP INTAKE SET AT 310.0'.
3. PUMPING RATE: 45 GPM.
4. TEST CONDUCTED ON MAY 28, 1976.

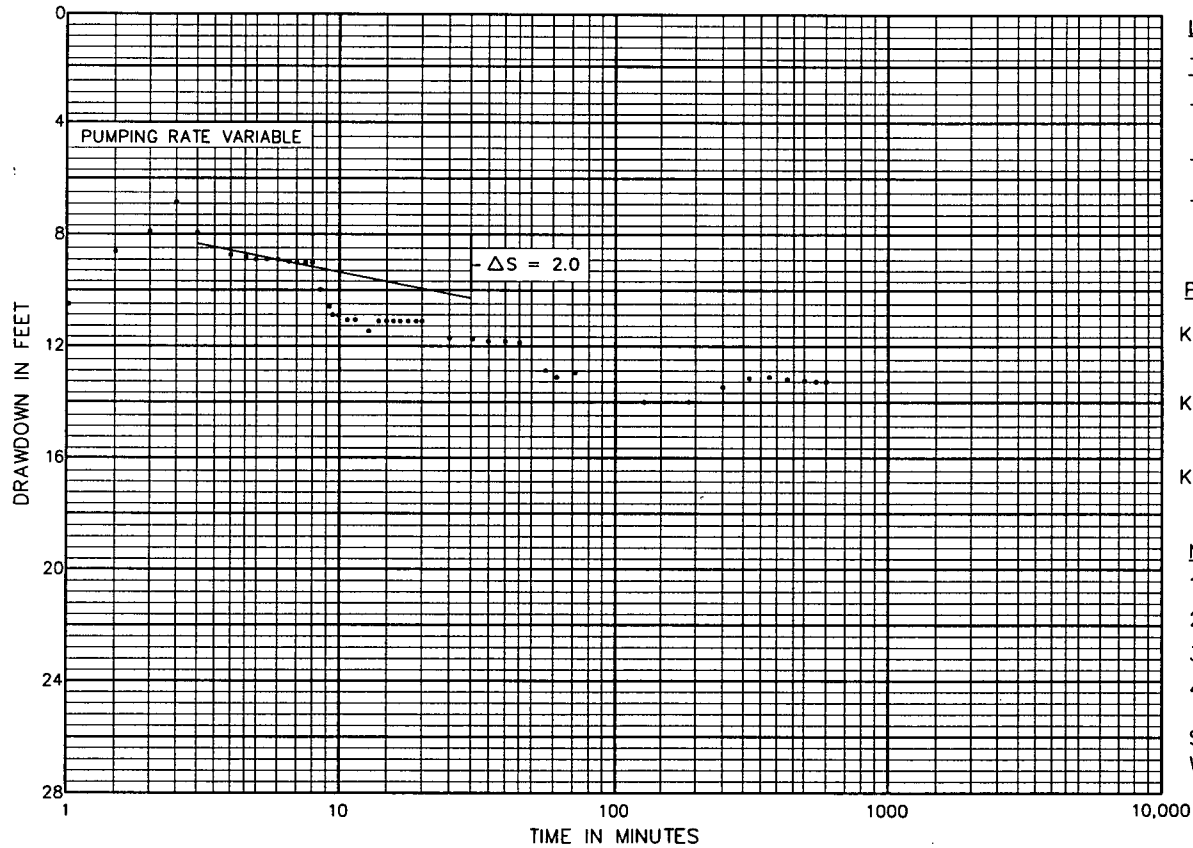
SOURCE: MINERALS EXPLORATION COMPANY AND WOODWARD-CLYDE CONSULTANTS.

**SMI**  
SHEPHERD MILLER, INC.

FIGURE D-5  
RECOVERY DATA PLOT, WATER WELL  
24-93-20dd, PUMP TEST 2

Date: FEB., 1994  
Project: 423  
File: FIGD-05





LEGEND

TRANSMISSIVITY

$$T = \frac{264Q}{\Delta S'}$$

$$T = \frac{(264)(15)}{2}$$

$$T = 1880 \text{ GPD/FT}$$

T = TRANSMISSIVITY

Q = PUMPING RATE

$\Delta S'$  = CHANGE IN DRAWDOWN PER LOG CYCLE.

PERMEABILITY

$$K = \frac{T}{m}$$

$$K = \frac{1880}{30}$$

$$K = 63 \text{ GPD/FT}^2$$

K = PERMEABILITY

T = TRANSMISSIVITY

m = SATURATED THICKNESS

NOTES:

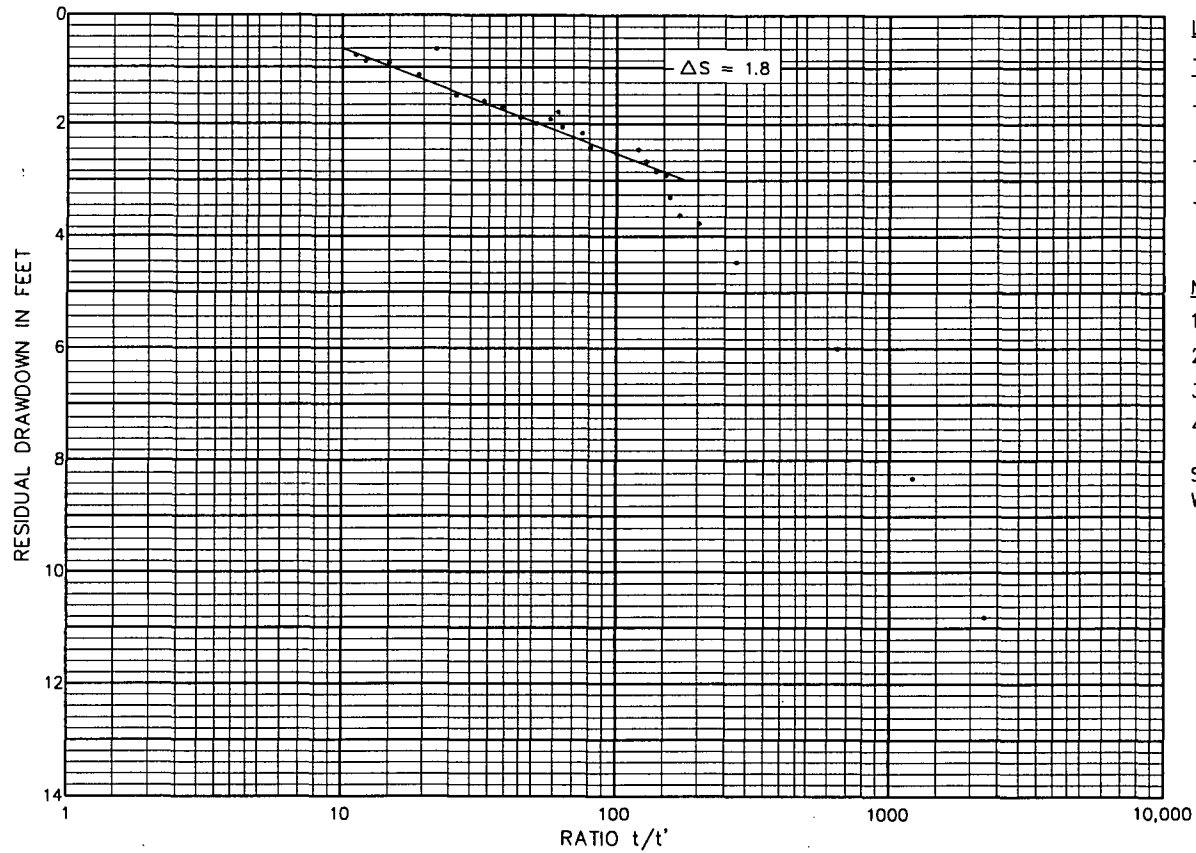
1. STATIC WATER LEVEL: 53.5'.
2. PUMP INTAKE SET AT 185.0'.
3. PUMPING RATE: 15 GPM.
4. TEST CONDUCTED ON JUNE 2, 1976.

SOURCE: MINERALS EXPLORATION COMPANY AND WOODWARD-CLYDE CONSULTANTS.

**SMI**  
SHEPHERD MILLER, INC.

FIGURE D-6  
DRAWDOWN VS. TIME (JACOB METHOD),  
24-93-20ca, PUMP TEST 1

Date: FEB., 1994  
Project: 423  
File: FIGD-66



**LEGEND**

**TRANSMISSIVITY**

$$T = \frac{264Q}{\Delta S}$$

T = TRANSMISSIVITY

Q = PUMPING RATE

$$T = \frac{(264)(15)}{1.8}$$

ΔS = CHANGE IN DRAWDOWN  
PER LOG CYCLE.

$$T = 2200 \text{ GPD/FT}$$

**NOTES:**

1. STATIC WATER LEVEL: 53.5'.
2. PUMP INTAKE SET AT 185.0'.
3. PUMPING RATE: 15 GPM.
4. TEST CONDUCTED ON JUNE 2, 1976.

SOURCE: MINERALS EXPLORATION COMPANY AND  
WOODWARD-CLYDE CONSULTANTS.

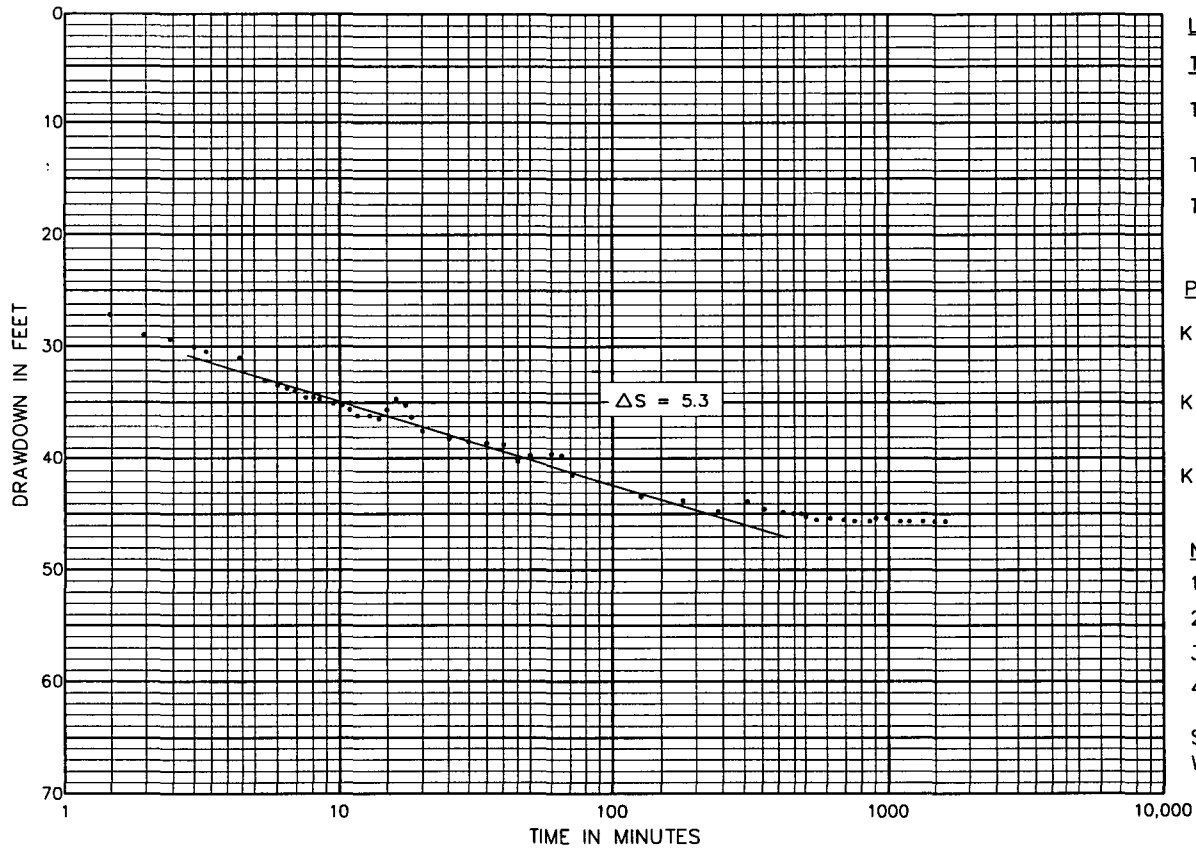
**SMI**  
SHEPHERD MILLER, INC.

FIGURE D-7  
RECOVERY DATA PLOT, WATER WELL  
24-93-20ca, PUMP TEST 1

Date: FEB., 1994

Project: 423

File: FIGD-07



**LEGEND**

**TRANSMISSIVITY**

$$T = \frac{264Q}{\Delta S}$$

$$T = \frac{(264)(45)}{5.3}$$

$$T = 2242 \text{ GPD/FT}$$

T = TRANSMISSIVITY  
 Q = PUMPING RATE  
 $\Delta S$  = CHANGE IN DRAWDOWN PER LOG CYCLE.

**PERMABILITY**

$$K = \frac{T}{m}$$

$$K = \frac{2242}{30}$$

$$K = 75 \text{ gpd/ft}^2$$

K = PERMABILITY  
 T = TRANSMISSIVITY  
 m = SATURATED THICKNESS

**NOTES:**

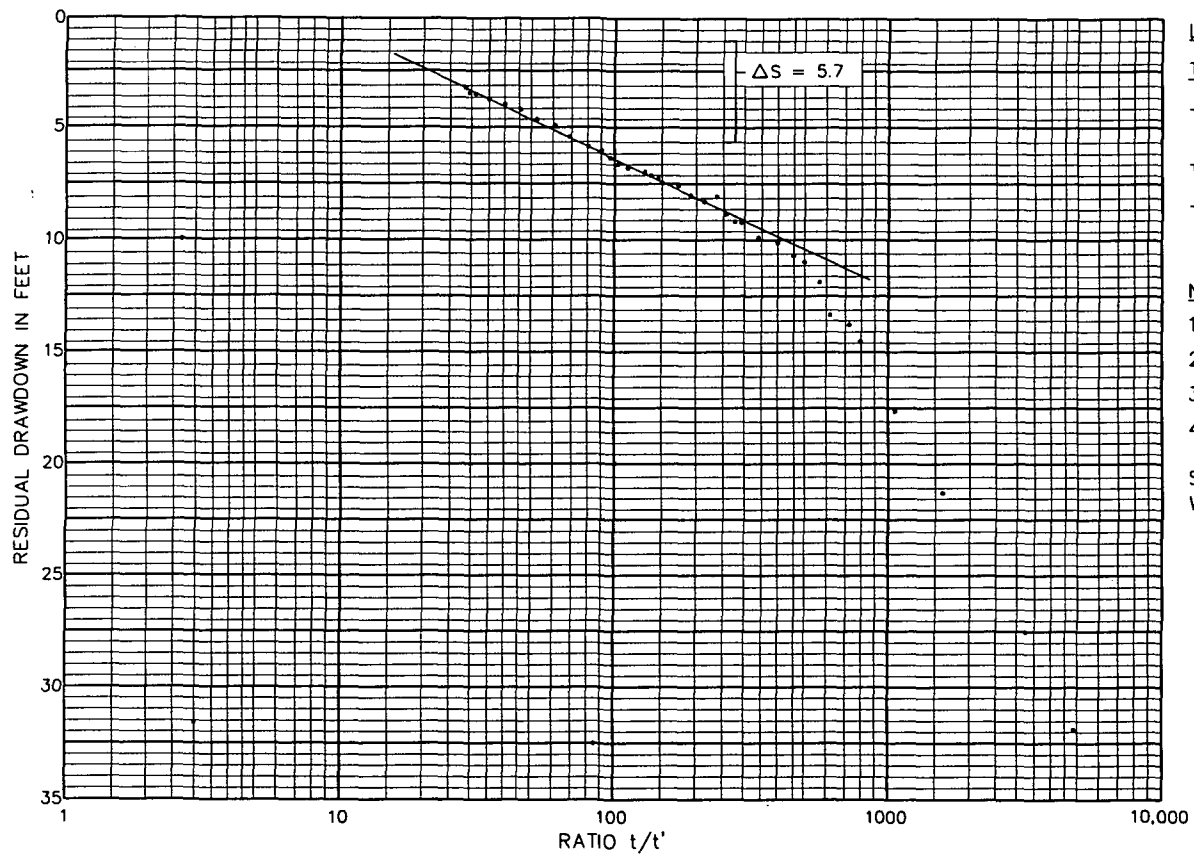
1. STATIC WATER LEVEL: 52.4'.
2. PUMP INTAKE SET AT 185.0'.
3. PUMPING RATE: 45 GPM.
4. TEST CONDUCTED ON JUNE 3-4, 1976.

SOURCE: MINERALS EXPLORATION COMPANY AND WOODWARD-CLYDE CONSULTANTS.

FIGURE D-8  
 DRAWDOWN VS. TIME (JACOB METHOD),  
 WATER WELL 24-93-20ca, PUMP TEST 2

Date:	FEB., 1994
Project:	423
File:	FIGD-08





**LEGEND**

**TRANSMISSIVITY**

$$T = \frac{264Q}{\Delta S'}$$

$$T = \frac{(264)(45)}{5.7}$$

$$T = 2084 \text{ GPD/FT}$$

T = TRANSMISSIVITY

Q = PUMPING RATE

$\Delta S'$  = CHANGE IN DRAWDOWN PER LOG CYCLE.

**NOTES:**

1. STATIC WATER LEVEL: 52.4'.
2. PUMP INTAKE SET AT 185.0'.
3. PUMPING RATE: 45 GPM.
4. TEST CONDUCTED ON JUNE 4, 1976.

SOURCE: MINERALS EXPLORATION COMPANY AND WOODWARD-CLYDE CONSULTANTS.

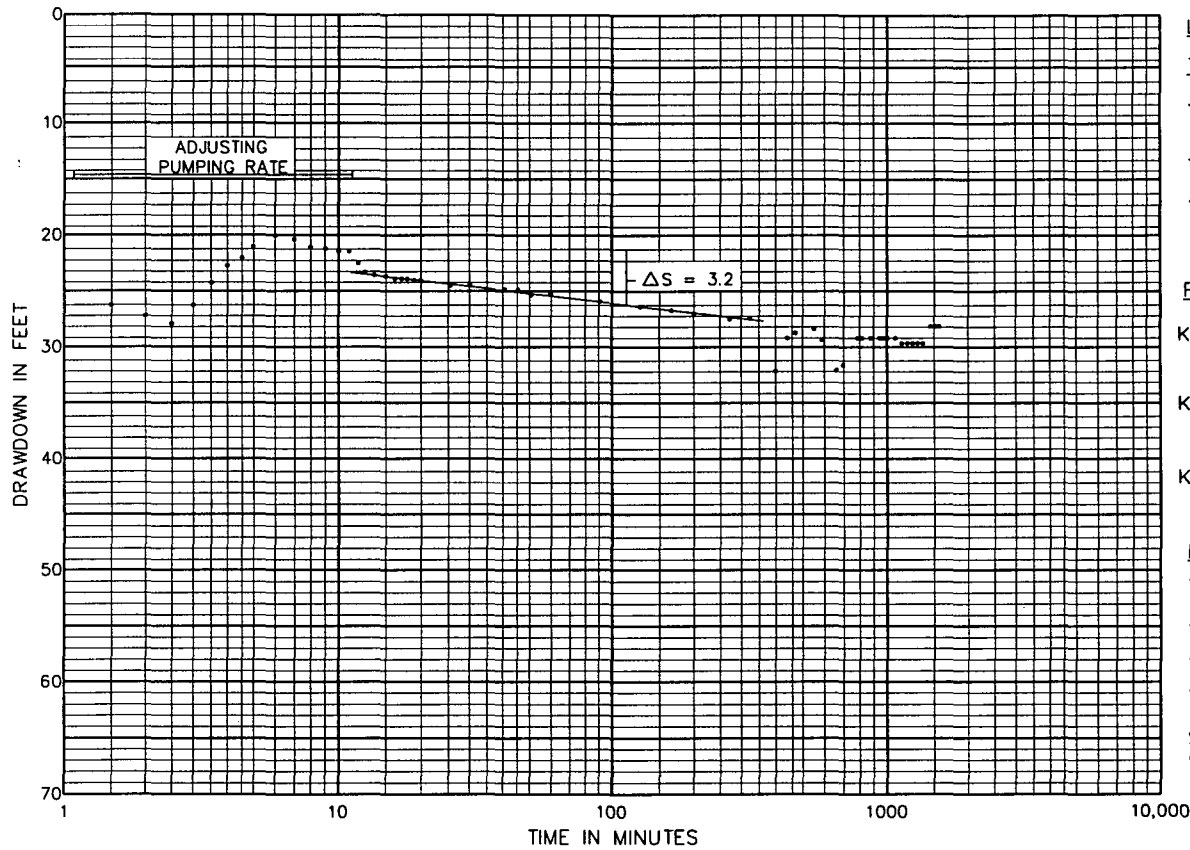
**SMI**  
SHEPHERD MILLER, INC.

FIGURE D-9  
RECOVERY DATA PLOT, WATER WELL  
24-93-20ca, PUMP TEST 2

Date: FEB., 1994

Project: 423

File: FIGD-09



LEGEND

TRANSMISSIVITY

$$T = \frac{264Q}{\Delta S}$$

$$T = \frac{(264)(15)}{3.2}$$

$$T = 1238 \text{ GPD/FT}$$

T = TRANSMISSIVITY

Q = PUMPING RATE

ΔS = CHANGE IN DRAWDOWN PER LOG CYCLE.

PERMEABILITY

$$K = \frac{T}{m}$$

$$K = \frac{1238}{18}$$

$$K = 68.6 \text{ GPD/FT}^2$$

K = PERMEABILITY

T = TRANSMISSIVITY

m = SATURATED THICKNESS

NOTES:

1. STATIC WATER LEVEL: 33.5'.
2. PUMP INTAKE SET AT 310.0'.
3. PUMPING RATE: 15 GPM.
4. TEST CONDUCTED ON JUNE 14-15, 1976.

SOURCE: MINERALS EXPLORATION COMPANY AND WOODWARD-CLYDE CONSULTANTS.

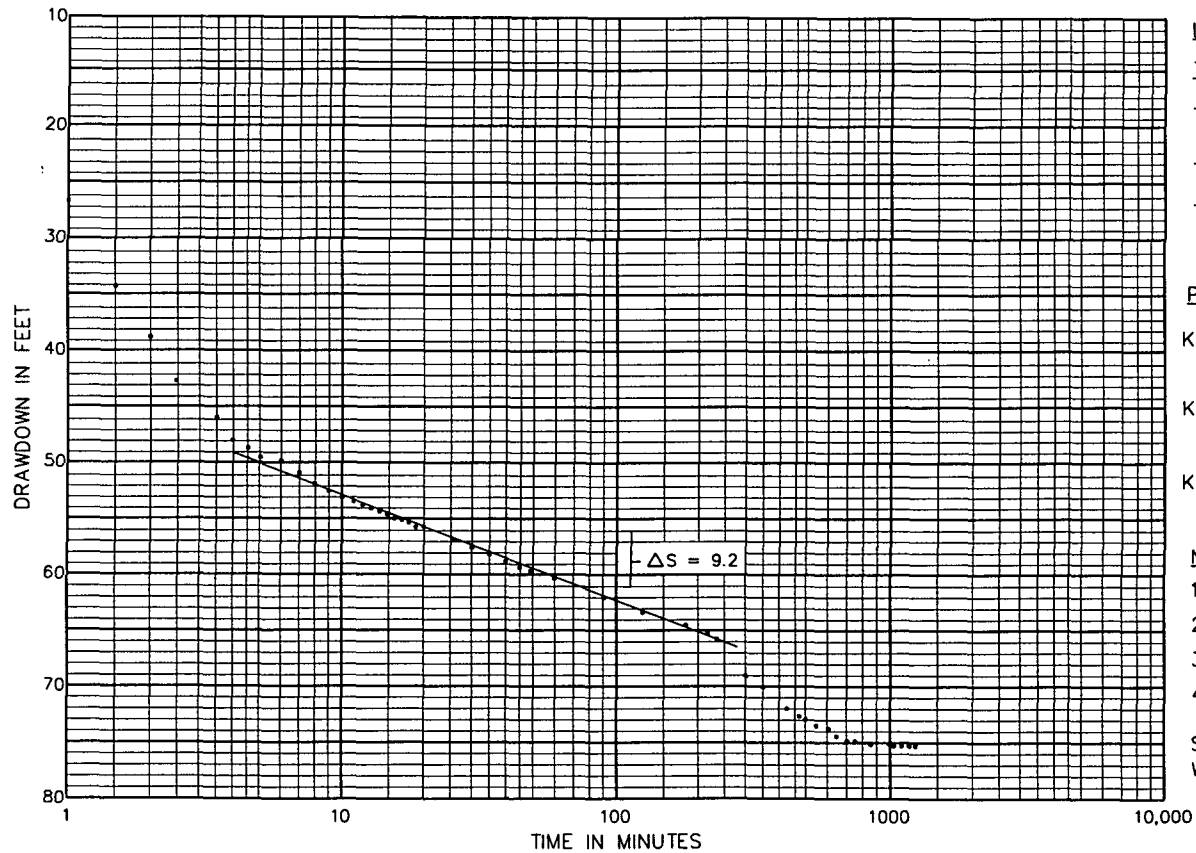


FIGURE D-10  
DRAWDOWN VS. TIME (JACOB METHOD),  
WATER WELL 24-97-29, PUMP TEST 1

Date: FEB., 1994

Project: 423

File: FIGD-10



**LEGEND**

**TRANSMISSIVITY**

$$T = \frac{264Q}{\Delta S'}$$

$$T = \frac{(264)(40)}{9.2}$$

$$T = 1147 \text{ GPD/FT}$$

T = TRANSMISSIVITY

Q = PUMPING RATE

$\Delta S'$  = CHANGE IN DRAWDOWN PER LOG CYCLE.

**PERMEABILITY**

$$K = \frac{T}{m}$$

$$K = \frac{1147}{18}$$

$$K = 63.6 \text{ GPD/FT}^2$$

K = PERMEABILITY

T = TRANSMISSIVITY

m = SATURATED THICKNESS

**NOTES:**

1. STATIC WATER LEVEL: 38.12'.
2. PUMP INTAKE SET AT 310.0'.
3. PUMPING RATE: 40 GPM.
4. TEST CONDUCTED ON JUNE 16-17, 1976.

SOURCE: MINERALS EXPLORATION COMPANY AND WOODWARD-CLYDE CONSULTANTS.

**SMI**  
SHEPHERD MILLER, INC.

FIGURE D-11  
DRAWDOWN VS. TIME (JACOB METHOD),  
WATER WELL 24-93-29, PUMP TEST 2

Date: FEB., 1994

Project: 423

File: FIGD-11

## KENNECOTT URANIUM COMPANY - SWEETWATER URANIUM FACILITY

Pg. 1/2

RDW-1

ND = Nondetectable

	1979		1980				1981		1982		1983			1984		1985
	8/7	10/20/79	3/20	5/10/80	9/2/80	12/18/80	3/31	6/24/81	4/1	9/17/82	1/10	8/25/83	11/15/83	4/17	10/9/84	6/29
<b>FIELD DATA mg/l:</b>																
Temperature (C)																
pH (Std. Units)																
Cond (umho/cm)																
TDS																
<b>MAJOR IONS mg/l:</b>																
Calcium (Ca)	85	98	98	100	95	92	85	29.3	97.9	91.5	86	16	17	16	20	22
Magnesium (Mg)	4	5	8	7	6	5	5		5.2	5.5	4.85	1	1	1	1	1
Sodium (Na)	45	39	43	53	44	39	39	25.5	32.1	28.9	37.9	45	45	42	41	44
Potassium (K)	4	1	3	4	6	2	4	2	4	3.5	2.2	2	1	1	1	1
Carbonate (CO3)	12	0	0	0	0	0	0	0		78	92	0	0	0	0	0
Bicarbonate (HCO3)	134	127	145	134	124	129	122	140		0	0	110	102	102	91	104
Sulfate (SO4)	180	204	240	240	242	208	200	311	211	199.4	129	58	52	51	66	65
Chloride (Cl)	10	8	10	10	6	10	10	7.5	4.8	4.8	6.2	2	6	6	6	6
Nitrate-N (NO2)	1.4	ND	.01	.01	ND	ND	ND	.07	.02	ND	.1	ND	.31	.62	.14	2.15
Fluoride (F)	.16	.16	.15	.14	.13	.18	.24	.23	.177	.2	.16	.13	.18	.18	.13	.15
Silica (SiO2)	8.8	13.5	13.3	12.9	20.1	ND	14.3	5.2	6.3	3.5	8.7	10.7	12.2	10.7	9.5	4.1
TDS @ 180%	406	418	478	492	506	400	403	416	519.6	309.9	356.8	156	177	178	183	240
Cond (umho/cm)	495	253	593	645	556	540	528	916	925	508	355	200	200	200	292	305
Alk-CaCO3	130	104	119	110	102	106	100	140	28			90	84	84	75	85
pH (units)	7.8	7.2	7.5	7.6	7.7	7.2	7.2	7.9	7	7.6	7.6	7.9	8.2	7.39	7.95	7.45
<b>TRACE METALS mg/l:</b>																
Aluminum (Al)	.05	ND	ND	ND	.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	.1	ND
Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)														ND	ND	ND
Beryllium (Be)																
Boron (B)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt (Co)																
Copper (Cu)	ND	ND	ND	ND	.1	.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide (CN)																
Iron (Fe)	.2	.18	ND	.2	ND	1.89	ND					1.26	.35	.29	.11	.03
Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)	.05	.06	.05	.04	.14	.05	.07	.02	.4	.68	.21	.12	.05	.042	.03	.03
Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.0004	.0007	ND
Molybdenum (Mo)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel (Ni)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver (Ag)																ND
Thallium (Tl)																
Vanadium (V205)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc (ZN)	.05	.08	ND	ND	.15	.15	.05	.03	.01	.034	.03	.03	.02	ND	ND	ND
<b>RADIOMETRIC pci/l:</b>																
Uranium, Natural	8.12	8.12	8.8	8.12	14.2	12.2	44.68	18.28	8.55	17.8	2.52	ND	.004	5.4	3	2.9
Radium 226	1.5	2	3.5	3.3	6.1	5.8	3	1.78	2.35	1.59	2.76	.4	.5	.7	1.2	.6
Comb. Ra226/228																
Thorium 230	0	.002	.3	1	.42	.15	.31	2.44	7.29		10	.5	.5	0	.1	.3
Lead (Pb210)	0	0	3.6	11	5.5	5.6	4.5	1.8							1.7	.3
Gross Alpha																
A/C Balance														2.89	.82	1.67

## KENNECOTT URANIUM COMPANY - SWEETWATER URANIUM FACILITY

RDW-1

ND = Nondetectable

Pg. 2/2

	1986	1987	1988	1989	1990	1991	1992	1993	AVERAGE	MINIMUM	MAXIMUM		
FIELD DATA mg/l:	10/16/85	9/4	9/10/87	9/7	11/6	6/12	10/14	5/28	8/11/92	4/29			
Temperature (C)		11.7	9.6	13	11.1	10.4	10.5			10.8			
pH (Std. Units)		7.58	7.39	7.98	7.58	7.15	7.61			8.1			
Cond (umho/cm)		183	284	282	243	206	85.4			524			
TDS		260	240	290	140	150	140			302			
MAJOR IONS mg/l:													
Calcium (Ca)	26	22	15	14.6	15	12.4	15.2	13.7	10.7	12.2	46.37	10.70	100.00
Magnesium (Mg)	1	1	1	.76	.74	.72	.68	.965	.93	.8	41.33	.68	965.00
Sodium (Na)	35	41	42	48.5	46	48.1	44.1	47.6	52.5	47.5	42.14	25.50	53.00
Potassium (K)	2	1	1	1.3	2.3	1	1.4	1.14	2.46	.1	2.13	.10	6.00
Carbonate (CO3)	0	0			0	0	0	0	0	0	7.91	.00	92.00
Bicarbonate (HCO3)	98	100	92	98.1	115	98.8	105	100	102	101	102.96	.00	145.00
Sulfate (SO4)	62	58	64	52	56.8	39.3	36.4	49.9	46.8	44.4	119.08	36.40	311.00
Chloride (Cl)	5	5	3	2.7	2.4	2.3	3.7	2.3	2.7	3.2	5.60	2.00	10.00
Nitrate-N (NO2)	ND	.3	.3	1.03	4.2	2.05	2.97	ND	.72	.3	.93	.01	4.20
Fluoride (F)	.13	.2	.1	.21	.14	.14	.2	.16	.13	.14	.16	.10	.24
Silica (SiO2)	2.8			9.4	9.4	9.2	6.6	5.72	4.38	7.6	9.08	2.80	20.10
TDS @ 180%	240	177	152	140	182	190	180	175	173	170	281.34	140.00	519.60
Cond (umho/cm)	338	340	298	262	277	297	285	274	264	276	396.56	200.00	925.00
Alk-CaCO3	80	82			94	81	85.8	82	83.5	82.9	92.19	28.00	140.00
pH (units)	7.66	8.2	7.8	8	7.58	6.9	8.06	7.92	7.46	7.79	8.06	7.65	8.20
TRACE METALS mg/l:													
Aluminum (Al)	ND	ND	ND	ND	ND	.1	ND	ND	ND	ND	.13	.05	.28
Arsenic (As)	ND	ND	ND	.002	ND	ND	ND	ND	ND	ND	.00	.00	.00
Barium (Ba)	.01	.01	.01	ND	ND	ND	ND	ND	ND	ND	.01	.01	.01
Beryllium (Be)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron (B)	ND	ND	.1	ND	ND	ND	ND	ND	ND	ND	.10	.10	.10
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt (Co)	ND	ND	.02	ND	ND	ND	ND	ND	.006	ND	.01	.01	.02
Copper (Cu)	ND	ND	.04	ND	ND	ND	ND	ND	ND	ND	.05	.02	.10
Cyanide (CN)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron (Fe)	ND	ND	ND	.18	ND	ND	ND	ND	.15	ND	.44	.03	1.89
Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)	.03	.03	.02	.03	.04	.03	ND	.02	ND	.01	.09	.01	.68
Mercury (Hg)	ND	.0021	ND	ND	ND	ND	ND	ND	ND	ND	.00	.00	.00
Molybdenum (Mo)	ND	ND	ND	ND	ND	ND	.01	ND	ND	ND	.01	.01	.01
Nickel (Ni)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	.003	ND	ND	ND	ND	ND	ND	.00	.00	.00
Silver (Ag)	ND	ND	.03	ND	ND	ND	ND	ND	ND	ND	.03	.03	.03
Thallium (Tl)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium (V2O5)	ND	ND	.06	ND	ND	ND	ND	ND	ND	ND	.06	.06	.06
Zinc (ZN)	ND	ND	ND	ND	.01	ND	ND	.03	ND	ND	.05	.01	.15
RADIOMETRIC pCi/l:													
Uranium, Natural	ND	1.4	1.44	1.69	.7	4	3.4	1.6	.7	1.6	7.47	.00	44.68
Radium 226	.9	.8	1.6	.9	ND	.3	.4	ND	ND	.5	1.85	.30	6.10
Comb. Ra226/228					ND	2.1	ND	5.1	ND	.5	2.57	.50	5.10
Thorium 230	.2	.2	.1	ND	ND	ND	ND	ND	ND	ND	1.32	.00	10.00
Lead (Pb210)	2	1.2			2.1	ND	ND	ND	ND	ND	3.02	.00	11.00
Gross Alpha					ND	1.6	ND	ND	ND	ND	1.60	1.60	1.60
A/C Balance	1.46				.991	.989	1.003	1.008	1.016	1.01	1.29	.82	2.89



## KENNECOTT URANIUM COMPANY - SWEETWATER URANIUM FACILITY

Pg. 1

RDW-8

ND = Non-detectable

	1979	1980	1981				1982			1983			1984		1985	
	12/17	3/20	5/10/80	9/2/80	12/21/80	3/31	6/22/81	4/1	9/17/82	1/7	8/25/83	11/15/83	4/17	10/9/84	6/29	10/16/85
FIELD DATA mg/l:																
Temperature (C)																
pH (Std. Units)																
Cond (umho/cm)																
TDS																
MAJOR IONS mg/l:																
Calcium (Ca)	90	68	59	74	66	61	25	88.1	87.9	92.7	65	48	79	55	46	59
Magnesium (Mg)	4	5	5	4	3	3		3.2	4.6	4.5	3	3	3	3	2	3
Sodium (Na)	40	42	56	44	42	45	25	28.8	27.9	38.7	45	41	44	38	40	30
Potassium (K)	2	2	3	4	1	2	1.4	3.18	2.5	2.1	3	2	3	2	3	2
Carbonate (CO3)	0	0	0	0	0	0	0		0	0	0	0	5	0	0	0
Bicarbonate (HCO3)	100	122	117	107	110	102	120		82	75	100	98	90	98	104	104
Sulfate (SO4)	241	190	168	201	159	160	254	158	171.4	122	176	135	232	134	121	128
Chloride (Cl)	10	10	10	6	10	10	7.5	4.8	4.3	5.8	8	6	12	10	8	6
Nitrate-N (NO2)	ND	ND	ND	ND	ND	.04	.08	ND	ND	.24	ND	.16	1.12	.55	2.41	ND
Fluoride (F)	.12	.15	.13	.12	.19	.22	.2	.152	.2	.14	.11	.12	.18	.11	.14	.14
Silica (SiO2)	12	12.6	12.9	15	ND	14.5	3.5	7.4	6.9	8.2	11.3	9.84	8.96	14	5	2.8
TDS @ 180%	386	350	364	398	308	331	300	314.9	256.3	370	349	306	446	290	300	300
Cond (umho/cm)	437.4	463.6	444.9	475	461	527	723	756	476	365	507	350	325	454	419	453
Alk-CaCO3	82	100	96	88	90	84	120	18			82	81	83	80	85	85
pH (units)	7.6	7.6	7.8	7.4	6.9	7.3	7.2	7.1	7.9	7.5	7.5	7.7	7.8	7.5	7.65	7.3
TRACE METALS mg/l:																
Aluminum (Al)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)													.026	.04	.04	ND
Beryllium (Be)																
Boron (B)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.023	ND	ND	ND
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.04	ND	ND
Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt (Co)																ND
Copper (Cu)	ND	ND	ND	.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide (CN)																
Iron (Fe)	ND	ND	.05	ND	.79	.04					1.45	.12	1.58	.16	ND	ND
Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)	ND	.02	ND	.01	.01	.08	ND	.1	.35	.21	.42	.9	.17	.04	.02	.03
Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.0006	.0005	ND	ND
Molybdenum (Mo)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.04	ND	ND
Nickel (Ni)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver (Ag)														ND	ND	
Thallium (Tl)																
Vanadium (V205)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.05	ND	ND
Zinc (ZN)	ND	ND	ND	ND	ND	.01	.03	ND	ND	ND	ND	.02	ND	.04	ND	ND
RADIOMETRIC pCi/l:																
Uranium, Natural	6.77	6.77	8.12	8.12	10.16	17.6	4.06	1.71		3.8	ND	4.74	8.12	6	6.5	ND
Radium 226	6.2	4	2.6	3.4	3.6	2.6	1.77	4.16		2.94	1.9	3.5	.2	2.2	.7	.8
Comb. Ra226/228																
Thorium 230	0	.7	ND	ND	.1	.2	.77	6.61		4.94	0	1.3	0	.1	1	.3
Lead (Pb210)	0	3.8	ND	ND	6.6	2.8	3.5							2.9	1.3	2.8
Gross Alpha																
A/C Balance								1.5			1.22	1.2	4.89	0	2.06	.06

## KENNECOTT URANIUM COMPANY - SWEETWATER URANIUM FACILITY

Pg. 2

RDW-8

ND = Non-detectable

	1986	1987	1988	1989	1990	1991	1992	1993	AVERAGE	MINIMUM	MAXIMUM		
	9/4	2/11	9/10/87	9/6	11/7	6/12	10/14	5/28	8/11/92	4/29			
FIELD DATA mg/l:													
Temperature (C)	11	9.1	11.6	10.9	9.6	10				10.2			
pH (Std. Units)	7.98	7.34	8.4	7.62	6.95	7.61				8.4			
Cond (umho/cm)	412	414	448	346	247	85.4				253			
TDS	350	290	300	180	220	140				128			
MAJOR IONS mg/l:													
Calcium (Ca)	58		48	45.5	43.2	46.9	12.7	8.7	7.51	5.6	53.59	5.60	92.70
Magnesium (Mg)	2		3	2.2	2.6	2.12	1.27	1.47	1.32	.9	2.92	.90	5.00
Sodium (Na)	36		38	42.7	40.3	48.3	35.6	43.8	40.9	40.3	39.73	25.00	56.00
Potassium (K)	2		2	2.2	3.2	1.8	2	2.78	3.25	1.2	2.34	1.00	4.00
Carbonate (CO3)	0				0	0	0	0	1.1	0	.28	.00	5.00
Bicarbonate (HCO3)	97.6		98	96.4	98.3	98.8	58.6	64.7	59	67.7	94.50	58.60	122.00
Sulfate (SO4)	124	122	124	126	117	113	61.3	51.9	47.3	37.2	141.31	37.20	254.00
Chloride (Cl)	17		6	5.6	4.8	5.3	5.21	5.9	5.6	7.2	7.64	4.30	17.00
Nitrate-N (NO2)	.03		3.4	.51	.97	9.03	.27	ND	1.55	ND	1.45	.03	9.03
Fluoride (F)	.1		.1	.16	.14	.13	.14	.13	ND	.11	.14	.10	.22
Silica (SiO2)				13.3	13.7	16.9	.32	.21	.16	.28	8.63	.16	16.90
TDS @ 180%	290	284	268	290	284	305	140	151	130	126	293.74	126.00	446.00
Cond (umho/cm)	521	419	417	433	432	429	259	232	215	214	431.07	214.00	756.00
Alk-CaCO3	80				80.6	81	48	53	50.2	55.3	77.24	18.00	120.00
pH (units)	8.1	8.1	8	7.42	7.1	7.72	7.8	7.18	8.51	7.99	7.60	6.90	8.51
TRACE METALS mg/l:													
Aluminum (Al)	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Arsenic (As)	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Barium (Ba)	.1		.04	ND	ND	ND	ND	ND	ND	ND	.05	.03	.10
Beryllium (Be)	ND			ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Boron (B)	ND		.1	ND	ND	ND	ND	ND	ND	ND	.06	.02	.10
Cadmium (Cd)	ND		ND	ND	ND	ND	ND	ND	ND	ND	.04	.04	.04
Chromium (Cr)	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Cobalt (Co)	ND		.01	ND	ND	ND	ND	ND	.011	ND	.01	.01	.01
Copper (Cu)	ND		.03	ND	ND	ND	ND	ND	ND	ND	.03	.02	.03
Cyanide (CN)				ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Iron (Fe)	.31		.11	.18	.23	ND	ND	ND	ND	ND	.46	.04	1.58
Lead (Pb)	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Manganese (Mn)	.03		.02	.03	.02	.03	ND	.02	ND	ND	.13	.01	.90
Mercury (Hg)	.0024		ND	ND	ND	ND	ND	ND	ND	ND	.00	.00	.00
Molybdenum (Mo)	ND			ND	ND	.02	ND	ND	.02	ND	.03	.02	.04
Nickel (Ni)	ND		ND	ND	ND	ND	ND	.02	ND	ND	.02	.02	.02
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Silver (Ag)			.07	ND	ND	.01	ND	ND	ND	ND	.04	.01	.07
Thallium (Tl)				ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Vanadium (V2O5)	ND		.02	ND	ND	ND	ND	ND	ND	ND	.04	.02	.05
Zinc (Zn)	ND			ND	ND	ND	ND	.03	ND	ND	.03	.01	.04
RADIOMETRIC pCi/l:													
Uranium, Natural	5.9		10.15	5.68	5.4	12	418	ND	ND	1.2	27.54	1.20	418.00
Radium 226	1.3		2.3	1.3	ND	1.2	ND	ND	ND	.9	2.38	.20	6.20
Comb. Ra226/228					ND	ND	ND	2.4	1.1	.9	1.47	.90	2.40
Thorium 230	.1		.3	ND	ND	ND	ND	ND	ND	ND	1.09	.00	6.61
Lead (Pb210)	2.1				ND	5.1	ND	1.8	ND	ND	2.97	.00	6.60
Gross Alpha					ND	1.7	ND	ND	ND	ND	1.70	1.70	1.70
A/C Balance	1.6		.04	1.009	.999	1.01	1	1.024	.902	.988	1.22	.00	4.89

## KENNECOTT URANIUM COMPANY --- SWEETWATER FACILITY

Page 1

WELL: DRAKE #1

GPS = Groundwater Protection Standard

			1984	1985					1986			1987				
ND = Non-detectable	(GPS)	EPA DWS	11/6	2/14	4/16/85	8/1/85	10/14/85	11/21/85	5/6	7/10/86	10/7/86	3/3	4/2/87	5/4/87	6/3/87	7/6/87
FIELD DATA mg/l:																
Temperature (C)							13.5	9.5	8	13.6	13.5	8.2	7	8.5	9.8	14.2
pH (Std. Units)							7.56	7.11	7.24	7.91	8.38	8.09	8	8.17	8.53	6.75
Cond (umho/cm)							270	616	254	255	251	254	256	244	238	206
TDS							200	390	190	300	200	190	200	190	250	260
MAJOR IONS mg/l:																
Calcium (Ca)			13	11	10	9	10	10	9	13	10					10
Magnesium (Mg)			1	1	1	1	1	1	0	1	.1					ND
Sodium (Na)			44	48	47	44	43	42	40	4	42					45
Potassium (K)			1	3	2	1	1	1	1	60	1					1
Carbonate (CO3)			0	0	0	0	0	0	2.4	0	0					3
Bicarbonate (HCO3)			107	98	105	98	85	98	95.16	89	110					92
Sulfate (SO4)			40	45	38	36	41	35	22	33	36	40	35	35	39	36
Chloride (Cl)			6	10	8	8	10	6	2	7	5					3
Nitrate-N (NO3)		10	.07	ND	2.9	.8	ND	1.23	ND	.8	.8					.8
Fluoride (F)		4	.11	.16	.15	.13	.15	.13	.34	.1	.2					.2
Silica (SiO2)			12	1.5	10.4	10.1			12.9	8.5						4
TDS @ 180%	500		190	210	220	200	149	152	152	164	174	176	160	170	154	182
Cond (umho/cm)			232	249	247	250	255	239	248	253	290	253	250	240	239	242
Alk-CaCO3			88	80	86	80	70	80	82	73						80
pH (units)	6.8	6.5-8.5	6.7	7.42	7.3	7.2	8.3	8	8.5	8	7.4	8.6	8.5	8.4	8.3	8.4
TRACE METALS mg/l:																
Aluminum (Al)			.1	.1	ND	.23	.11	ND	ND	.17	.1					ND
Arsenic (As)	.05	.05	ND	ND	ND	ND	ND	ND	ND	ND	.004	ND	ND	ND	ND	ND
Barium (Ba)	1	1	.02	.04	.02	.02	.02	.02	.04	.02	0					.06
Beryllium (Be)	.01															
Boron (B)			ND	ND	ND	ND	.38	ND	ND	ND	.1					.2
Cadmium (Cd)	.01	.01	ND	ND	ND	ND	ND	ND	ND	ND	.03					ND
Chromium (Cr)	.05	.05	ND	ND	ND	ND	ND	ND	ND	ND	.12					ND
Cobalt (Co)																
Copper (Cu)			.03	.05	ND	.02	ND	ND	.04	.02	.02		.02			.05
Cyanide (CN)	.005								ND							
Iron (Fe)			ND					.04		.13	.05					
Lead (Pb)	.5	.05	ND	.08	ND	.08	ND	ND	ND	ND	ND					.05
Manganese (Mn)			ND	.01	ND	.02	ND	ND	.01	ND	.4		.03			.02
Mercury (Hg)	.002	.002	.0004	ND	ND	ND	ND	.0009		.0008	.0004					ND
Molybdenum (Mo)	.04		ND	ND	.03	ND			ND							ND
Nickel (Ni)	.01		ND	ND	ND	ND	ND	ND	ND	ND	.16					ND
Selenium (Se)	.01	.01	ND	ND	ND	ND	ND	ND	ND	ND	.0058	ND	ND	ND	ND	ND
Silver (Ag)	.05						ND	ND	ND	ND	.02					ND
Thallium (Tl)	.01															
Vanadium (V205)			ND	ND	ND	ND	ND		ND							ND
Zinc (ZN)			.34	.13	.1	.48	.15		.16							.4
RADIOMETRIC pCi/l:																
Uranium, Natural	1.7	3385	8.9	0	68	.51	ND		ND	ND		ND				ND
Radium 226			1	.2	.2	.5	1.2		.2	.8		.9				.7
Comb. Ra226/228	2.8	5							.4							
Thorium 230	10		.8	.2	.1	2	.1					.1				.9
Lead (Pb210)	1.4		.2	1.5	1.3	1.1										
Gross Alpha	6.6	15														
-----																
A/C Balance			1.4	.57	121	2.29	.79	1.48	1.37	2.2	.82					



## KENNECOTT URANIUM COMPANY --- SWEETWATER FACILITY

Page 3.

WELL: DRAKE #1

GPS = Groundwater Protection Standard

ND = Non-detectabl (GPS)	EPA DWS	1988				1989				1990					
		10/5/88	10/5/88	11/2/88	12/5/88	1/11	1/11/89	3/7/89	3/7/89	5/7/89	9/9/89	11/6/89	2/22	6/12/90	9/13/90
FIELD DATA mg/l:		CLI	ELI			CLI	ELI	CLI	ELI	CLI	ELI	ELI	ELI	ELI	
Temperature (C)		13.2	13.2	12.7	11.1	8.3	8.3	8	8	9.5	14.4	10.7	10.35	12.1	20.1
pH (Std. Units)		8	8	7.88	8.33	8.16	8.16	8.14	8.14	8.73	7.22	8.1	8.27	7.38	7.48
Cond (umho/cm)		216	216	247	236	208	208	241	241	219	219	190	145	206	134
TDS		130	130	210	160	170	170	160	160	120	150	140	130	140	140
MAJOR IONS mg/l:															
Calcium (Ca)						10	9.3			12.1	16	10.2	11	9	10.9
Magnesium (Mg)						.3	.62			ND	.55	.37	.33	.27	.3
Sodium (Na)						43	47			43	41	46	44	51.6	46.5
Potassium (K)						1	1			1.6	1.1	1.9	.84	.8	.8
Carbonate (CO3)						0	0			0	0	0	0	0	0
Bicarbonate (HCO3)						97.6	99.7			97.6	101	103	103	105	105
Sulfate (SO4)		40	44.3	41	30	34	37.6	41	48.1	39.6	37.8	35.5	36.7	37.3	36
Chloride (Cl)						4	8			4	3.2	4.4	2.6	5.4	5.4
Nitrate-N (NO3)	10					.49	.77			1.31	.84	1.89	1.85	1.88	2.01
Fluoride (F)	4					.14	.15			.16	.1	.15	.2	.14	ND
Silica (SiO2)						1.4	11.1			10.87	12.2	11.6	12	13.9	10.4
TDS @ 180%	500	146	164	162	164	128	166	182	152	166	152	162	157	170	162
Cond (umho/cm)		229	258	242	233	235	287	257	276	245	279	267	259	274	303
Alk-CaCO3						80	81.8			80	83	84.5	84.3	85.8	86
pH (units)	6.8	6.5-8.5	8	8	7.88	8.33	8.16	8.16	7.5	7.4	8.1	7.38	7.35	7.87	8.05
TRACE METALS mg/l:															
Aluminum (Al)						.15	ND			.1	ND	ND	ND	.11	ND
Arsenic (As)	.05	.05	ND	ND	ND	ND	.002	ND	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	1	1				ND	ND			ND	ND	ND	ND	ND	ND
Beryllium (Be)	.01									.012	ND	ND	ND	ND	ND
Boron (B)						.24	ND			.14	ND	ND	ND	ND	ND
Cadmium (Cd)	.01	.01				ND	ND			ND	ND	ND	ND	ND	ND
Chromium (Cr)	.05	.05	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
Cobalt (Co)															
Copper (Cu)						ND	ND			.022	ND	ND	ND	.01	ND
Cyanide (CN)	.005									ND	ND	ND	ND	ND	ND
Iron (Fe)											ND	ND	ND	ND	ND
Lead (Pb)	.5	.05				ND	ND			ND	ND	ND	ND	ND	ND
Manganese (Mn)						.01	ND			.01	ND	ND	ND	ND	ND
Mercury (Hg)	.002	.002				ND	ND			ND	ND	ND	ND	ND	ND
Molybdenum (Mo)	.04					ND	ND			ND	ND	ND	ND	ND	ND
Nickel (Ni)	.01					ND	ND			.021	ND	ND	ND	ND	ND
Selenium (Se)	.01	.01	.0035	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver (Ag)	.05					ND	ND			ND	ND	.02	ND	ND	ND
Thallium (Tl)	.01									ND	ND	ND	ND	ND	ND
Vanadium (V2O5)						.16	ND			10.87	ND	ND	ND	ND	ND
Zinc (ZN)						.073	.05			.101	.04	.06	.05	.1	.05
RADIOMETRIC pCi/l:															
Uranium, Natural	1.7	3385				.6	.203			0	.7	ND	.4	2	ND
Radium 226						.3	.9			.7	1.7	ND	.9	.2	.4
Comb. Ra226/228	2.8	5				1.5	2.4			2.5	1.7	1.8	.9	1.6	.4
Thorium 230	10					1.4	ND			.2	1.7	ND	ND	ND	ND
Lead (Pb210)	1.4									.5	2.8	ND	ND	ND	ND
Gross Alpha	6.6	15				.1	1.8			1.3	4.1	ND	1.5	1	3.2
A/C Balance						.0182	.987			.433	.978	1.021	1.043	.998	1.038

## KENNECOTT URANIUM COMPANY --- SWEETWATER FACILITY

Page 4.

WELL: DRAKE #1

GPS = Groundwater Protection Standard

ND = Non-detectabl FIELD DATA mg/l:	(GPS)	EPA DWS	1991			1992			1993		AVERAGE	MINIMUM	MAXIMUM
			12/13/90	3/10	7/18/91	9/11/91	5/28	8/11/92	10/22/92	3/11			
Temperature (C)			9.4						14	2.4			
pH (Std. Units)			7.21						8.6	7.8			
Cond (umho/cm)			156						282	346			
TDS			130						151	172			
MAJOR IONS mg/l:													
Calcium (Ca)			11	10.8	9.1	11.5	8.81	8.6	10.1	13.4	10.61	8.60	16.00
Magnesium (Mg)			ND	.3	.2	.4	.32	.39	.4	.7	.55	.00	1.00
Sodium (Na)			47	48.4	50.6	51	49.9	50	49	44.6	44.53	4.00	54.20
Potassium (K)			ND	2.2	1.4	1.2	.54	1.72	1	ND	3.58	.54	60.00
Carbonate (CO3)			0	0	0	0	0	0	0	0	.20	.00	3.00
Bicarbonate (HCO3)			101	1.3	102	105	104	100	103	103	96.16	1.30	110.00
Sulfate (SO4)			40.7	40.8	48.7	51	39.3	37.5	38.9	49.2	39.36	22.00	70.00
Chloride (Cl)			5.2	6.3	4.9	3.5	2.9	2.7	11.3	2.7	5.32	2.00	11.30
Nitrate-N (NO3)		10	ND	ND	ND	.03	ND	2.23	ND	ND	1.50	.03	4.20
Fluoride (F)		4	.18	.15	.11	.19	.17	.12	.28	.12	.16	.10	.34
Silica (SiO2)			9	11.6	9.9	10.4	7.24	5.63	11.1	10.2	9.54	1.40	13.90
TDS @ 180%	500		154	174	168	179	156	168	172	175	167.16	126.00	224.00
Cond (umho/cm)			182	264	174	281	251	236	277	280	248.98	174.00	303.00
Alk-CaCO3			83	86	84	86	85.6	82	84.5	86	82.14	70.00	88.00
pH (units)	6.8	6.5-8.5	6.5	8	7.67	7.85	7.3	8.2	7.82	7.19	7.89	6.50	8.60
TRACE METALS mg/l:													
Aluminum (Al)			ND	ND	ND	ND	ND	.11	ND	ND	.13	.10	.23
Arsenic (As)	.05	.05	ND	ND	ND	ND	ND	ND	.01	ND	.00	.00	.01
Barium (Ba)	1	1	ND	ND	ND	ND	ND	ND	ND	ND	.03	.00	.06
Beryllium (Be)	.01		ND	ND	ND	ND	ND	ND	ND	ND	.01	.01	.01
Boron (B)			ND	ND	ND	ND	ND	ND	ND	ND	.30	.10	.76
Cadmium (Cd)	.01	.01	ND	ND	ND	ND	ND	ND	ND	ND	.03	.03	.03
Chromium (Cr)	.05	.05	ND	ND	.01	ND	.02	ND	ND	ND	.05	.01	.12
Cobalt (Co)								.009	ND	ND	.01	.01	.01
Copper (Cu)			ND	.01	ND	ND	ND	ND	ND	ND	.02	.03	.05
Cyanide (CN)	.005		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron (Fe)			ND	ND	ND	ND	ND	ND	.32	ND	.15	.04	.32
Lead (Pb)	.5	.05	ND	ND	ND	ND	ND	ND	ND	ND	.07	.05	.08
Manganese (Mn)			ND	ND	ND	ND	ND	ND	ND	.01	.06	.01	.40
Mercury (Hg)	.002	.002	ND	ND	ND	ND	ND	ND	ND	ND	.00	.00	.00
Molybdenum (Mo)	.04		ND	ND	.02	ND	ND	ND	ND	ND	.02	.02	.08
Nickel (Ni)	.01		ND	ND	ND	ND	.02	ND	ND	ND	.07	.02	.16
Selenium (Se)	.01	.01	ND	ND	ND	ND	.005	ND	ND	ND	.006	.00	.01
Silver (Ag)	.05		ND	ND	ND	ND	ND	ND	ND	ND	.02	.02	.02
Thallium (Tl)	.01		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium (V205)			ND	ND	ND	ND	ND	ND	ND	ND	5.52	.16	10.87
Zinc (ZN)			.03	.05	.05	.02	.05	.3	.07	.09	.13	.02	.48
RADIOMETRIC pCi/l:													
Uranium, Natural	1.7	3385	1.9	ND	.6	ND	2.9	4.7	.6	ND	5.50	.00	68.00
Radium 226			ND	ND	ND	ND	ND	ND	1.5	.4	1.16	.20	7.90
Comb. Ra226/228	2.8	5	ND	2.4	2.5	ND	1.9	ND	3.8	ND	1.83	.40	3.80
Thorium 230	10		ND	ND	ND	ND	ND	ND	ND	ND	.70	.10	2.00
Lead (Pb210)	1.4		ND	2	ND	1.9	ND	ND	2.5	ND	1.79	.20	4.10
Gross Alpha	6.6	15	ND	ND	ND	ND	ND	7.1	1.7	ND	2.42	.10	7.10
A/C Balance			.964	.979	1.024	.993	.966	1.004	.984	1	5.49	.02	121.00

KENNECOTT URANIUM COMPANY --- SWEETWATER FACILITY

WELL: PW-1 (Potable Water Well)

GPS = Groundwater Protection Standard

EPA DWS = EPA Drinking Water Standard

ND = Non-detectable (GPS) EPA DWS

FIELD DATA mg/l:

Temperature (C)

pH (Std. Units)

Cond (umho/cm)

TDS

MAJOR IONS mg/l:

	1979		1980				1981		1982				1983	
	8/14	12/10	3/31	6/27	8/27	12/17	6/24	10/1	1/7	4/1	6/10	7/16	9/16	1/7
Calcium (Ca)	53	72	56	44	61	72	23.8	154.5	142.5	85.2	74.3	94.6	78.1	79.2
Magnesium (Mg)	5	5	3	2.4	4	5				3.6	4.9	3.73	4.7	4.7
Sodium (Na)	34	32	33	23	35	24	21.3	26	24.5	24.1	19.5	22.1	23.6	35
Potassium (K)	4	2	2	2.3	3	1	1.5	1.24	1.47	3.21	4.35	2.68	2.5	2.3
Carbonate (CO3)	0	0	0	0	0	0						ND	90	97
Bicarbonate (HCO3)	134	122	127		127	117						110	0	0
Sulfate (SO4)	105	116	110	84	128	139	188	160	123	106	74.3	96	108.3	89
Chloride (Cl)	8	8	10	4	8	10	5.6	3.5	4.3	3.6	3.5	3.8	3.6	6.1
Nitrate-N (NO3)	10	21	ND	ND	.18	ND	.02	0	ND	.03	.08	ND	ND	.11
Fluoride (F)	4	.19	.16	.18	.14	.14	.29	.08	.181	.22	.134	.245	.2	.17
Silica (SiO2)		12.2	11.6	15	10	13.3	ND	4.1	8.6	14	7.2	6.7	8	7.4
TDS @ 180%	500	275	270	410	258	318	269	339	228.4	308.9	382.7	245	250.3	329
Cond (umho/cm)		342	331	374.5	370.7	401	420	703	582	680	592	610	577	435
Alk-CaCO3		110	100	104	40	104	96	140	168	122	100	180	110	
pH (units)	6.8	6.5-8.5	8	8.1	7.5	7.4	6.7	6.8	7.2	7.6	7	6.9	7.7	7.5

TRACE METALS mg/l:

Aluminum (Al)		ND	ND	ND	ND	ND	.3	ND	ND	ND	ND	ND	ND	ND
Arsenic (As)	.05	.05	ND	ND	ND	.015	ND	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	1	1												
Beryllium (Be)	.01													
Boron (B)		ND	ND	ND	.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	.01	.01	ND	ND	ND	ND	ND	ND	.01	ND	ND	ND	ND	ND
Chromium (Cr)	.05	.05	ND	ND	ND	ND	ND	ND	.01	ND	ND	ND	ND	ND
Copper (Cu)		.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide (CN)	.005													
Iron (Fe)		.03	1.71	.09	.008	ND	1.02			ND	ND	ND	ND	ND
Lead (Pb)	.5	.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)		.03	.03	.03	.007	.04	.16	.02	.02	.08	.1	.06	.1	.05
Mercury (Hg)	.002	.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum (Mo)	.04		ND	ND	ND	.001	ND	ND	ND	ND	ND	ND	ND	ND
Nickel (Ni)	.01		ND	ND	ND	ND	ND	ND	ND	ND	.01	ND	ND	ND
Selenium (Se)	.01	.01	ND	ND	ND	.01	ND	ND	ND	ND	ND	ND	ND	ND
Silver (Ag)	.05													
Thallium (Tl)	.01													
Vanadium (V205)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc (ZN)		.02	ND	.02	.01	ND	.06	.02	.012	ND	.004	.007	ND	ND

RADIOMETRIC pCi/l:

Uranium, Natural	1.7	3385	4.7	20.3	4.06	3.4	3.39	74.47	.68	16.93	.16	1.35	10.2	1.66	.58	.26
Radium 226			1.3	.92	1.5	1.4	1.8	1.5	3.3	1.58	1.48	.73	.51	1.37	1.9	5.3
Comb. Ra226/228	2.8	5														
Thorium 230	10		.1	0	1.5	ND	ND	18	.47	12.1	.88	8.07	27	121	ND	6.9
Lead (Pb210)	1.4		0	0	ND	ND	ND	6.3	3.8	1.2	.73	.85	11.3	ND	ND	.2
Gross Alpha	6.6	15														

A/C Balance





## KENNECOTT URANIUM COMPANY --- SWEETWATER FACILITY

Page 3

WELL: PMW-1 (Potable Water Well)

GPS = Groundwater Protection Standard

EPA DWS = EPA Drinking Water Standard

ND = Non-detectable (GPS) EPA DWS 1989

	1989				1990			1991	1992	1993		AVERAGE	MINIMUM	MAXIMUM		
	1/11	3/8	3/8	4/4	7/6	2/22	12/12	5/22	3/23	10/22	3/11					
FIELD DATA mg/l:	ELI	ELI	CLI	ELI	ELI	ELI	ELI	ELI	ELI	ELI	ELI					
Temperature (C)	11	10.9	10.9		10.4	21.5	9.9			12.6	16.7					
pH (Std. Units)	8.05	7.92	7.92		7.67	7.49	7.36			7.1	8.1					
Cond (umho/cm)	278	278	278		266	113	123			387	365					
TDS	200	250	250		170	180	170			191	183					
MAJOR IONS mg/l:																
Calcium (Ca)					28	22.1	21	21	22.7	14.3	23.3	25	48.31	14.30	154.50	
Magnesium (Mg)					1.2	1.17	1.18	1	1.3	1.3	1.3	1.5	2.53	1.00	5.00	
Sodium (Na)					49	50.1	46.7	50	50.2	55.4	47	46.2	33.58	19.50	55.40	
Potassium (K)					1.2	1.6	1.38	1	2.1	2.4	1.5	.2	1.90	.20	4.35	
Carbonate (CO3)					0	0	0	0	0	0	0	0	11.28	.00	97.00	
Bicarbonate (HCO3)					94	101	104	106	102	98.1	101	98	85.50	.00	134.00	
Sulfate (SO4)		73.6	74.7	66	79.2	72.8	70.9	74.3	78	84	79.2	75.8	84.59	58.00	188.00	
Chloride (Cl)					3.7	3.8	3.6	3.8	5.73	4.5	5.8	3.3	4.68	.11	10.00	
Nitrate-N (NO3)	10				5.6	2.12	.95	1.48	.14	ND	ND	ND	1.07	.00	21.00	
Fluoride (F)	4				.13	.15	.2	.16	.19	.24	.27	.12	.16	.08	.29	
Silica (SiO2)					11.1	11.8	12.2	7.9	11.3	3.7	11.4	8.1	8.75	2.60	15.00	
TDS @ 180%	500	194	198	216	236	220	209	198	218	206	203	216	221.43	152.00	410.00	
Cond (umho/cm)		365	337	315	353	352	350	337	356	372	337	340	364.25	275.00	703.00	
Alk-CaCO3					77	82.6	84.9	87.3	85	80.4	82.4	80.5	90.89	40.00	180.00	
pH (units)	6.8	6.5-8.5	8.02	7.94	8	7.5	7.83	7.83	6.53	8.15	7.97	7.81	7.1	6.61	8.50	
TRACE METALS mg/l:																
Aluminum (Al)					ND	ND	ND	ND	ND	ND	ND	ND	ND	.04	.22	.33
Arsenic (As)	.05	.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.00	.02	.02
Barium (Ba)	1	1			ND	ND	ND	ND	ND	ND	ND	ND	ND	.00	.03	.03
Beryllium (Be)	.01				ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Boron (B)					ND	ND	ND	ND	ND	ND	ND	ND	ND	.03	.04	.36
Cadmium (Cd)	.01	.01			ND	ND	ND	ND	ND	ND	ND	ND	ND	.00	.01	.06
Chromium (Cr)	.05	.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.01	.01	.19
Copper (Cu)					ND	ND	ND	ND	ND	ND	ND	ND	ND	.01	.01	.07
Cyanide (CN)	.005				ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Iron (Fe)					.2	.14	.4	ND	.17	ND	.13	.25	.19	.01	1.71	
Lead (Pb)	.5	.05			.01	ND	ND	ND	ND	ND	ND	ND	.00	.01	.01	
Manganese (Mn)					.02	.04	.01	ND	.01	.14	ND	.01	.04	.01	.16	
Mercury (Hg)	.002	.002			ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	
Molybdenum (Mo)	.04				ND	ND	ND	ND	ND	ND	ND	ND	.02	.00	.05	
Nickel (Ni)	.01				ND	ND	ND	ND	ND	ND	ND	ND	.00	.01	.06	
Selenium (Se)	.01	.01	ND	ND	.001	ND	ND	ND	ND	ND	ND	ND	.00	.00	.01	
Silver (Ag)	.05				ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	
Thallium (Tl)	.01				ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	
Vanadium (V2O5)					ND	ND	ND	ND	ND	ND	ND	ND	.00	.03	.06	
Zinc (ZN)					.02	ND	.01	ND	ND	ND	ND	.37	.04	.00	.38	
RADIOMETRIC pci/l:																
Uranium, Natural	1.7	3385			380.47	2.8	.7	1.9	2.6	1.4	6	ND	16.18	.16	380.47	
Radium 226					ND	1.2	.5	.6	.4	ND	2.5	.4	1.18	.10	5.30	
Comb. Ra226/228	2.8	5			ND	1.2	.5	.6	.4	ND	5	.4	.58	.40	5.00	
Thorium 230	10				ND	2.1	ND	ND	ND	ND	ND	ND	6.47	.00	121.00	
Lead (Pb210)	1.4				ND	2	1.5	ND	ND	ND	2.9	ND	1.15	.00	11.30	
Gross Alpha	6.6	15			ND	3.2	1.1	ND	ND	ND	2.7	ND	.50	1.10	3.20	
A/C Balance					.959	1.002	1.026	1.035	.983	1.021	.918	1.025	1.01	.90	2.70	

## KENNECOTT URANIUM COMPANY --- SWEETWATER URANIUM FACILITY

Page 1

WELL TMW-5

NORTHING: 149,053.50

GPS = Groundwater Protection Standard

EASTING: 328,102.80

		(1979)	(1980)	(1981)												
ND=Non-detectable	GPS	8/7	12/4	3/23	6/12	8/20	12/17	1/2	1/12	1/19	2/6	2/17	2/25	3/5	3/17	3/31
FIELD DATA mg/l:																
Temperature (%C)																
pH (Std. Units)																
Cond (umho/cm)																
TDS																
MAJOR IONS mg/l:																
Calcium (Ca)		30	132	184	84	86	81	75	88	77	77	76	92	73	73	74
Magnesium (Mg)		59	25	30	14	10	8	7	9	8	7	8	13	7	7	7
Sodium (Na)		42	40	26	51	35	35	30	32	29	30	29	37	34	30	31
Potassium (K)		9	4	4	4	6	1	1	2	6	4	5	4	3	3	3
Carbonate (CO3)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bicarbonate (HCO3)		159	ND	205	185	178	171	149	178	171	171	168	205	171	166	166
Sulfate ((SO4)		262	400	460	200	182	142	134	141	136	141	132	191	134	125	130
Chloride (Cl)		12	98	10	12	10	10	16	13	10	10	11	13	10	11	11
Nitrate-N (NO3)		1.6	.04	.2	.24	ND	.03	ND	.05	ND	ND	ND	ND	.01	ND	ND
Fluoride (F)		.19	.18	.2	.24	.18	.2	.26	.26	.18	.26	.27	.28	.27	.28	.27
Silica (SiO2)		9.8	10.1	8.57	10.5	14.1	73.8	15.6	15	13.5	13.3	13.7	9.4	14.1	21	18
TDS @ 180% C.	GPS (500)	492	956	820	634	422	360	337	365	350	357	343	459	347	332	339
Cond (umho/cm)																
Alk-CaCO3																
pH (units)	GPS (6.8)	7.8	7.5	7.4	7.2	7.5	7.1	7.2	7.3	7.8	7.2	7.4	7.8	7.5	7.6	7.8
TRACE METALS mg/l:																
Aluminum (Al)		.05	ND	ND	ND	.2	6.4	.3	.3	ND	ND	ND	ND	ND	.2	1
Arsenic (As)	GPS (.05) ND	ND	ND	ND	ND	ND	.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	GPS (1.0)															
Beryllium (Be)	GPS (.01)															
Boron (B)		ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.01	ND	ND
Chromium (Cr)	GPS (.05)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper (Cu)		ND	ND	ND	ND	ND	ND	.02	.05	ND	ND	ND	ND	ND	ND	ND
Cyanide (CN)	GPS (.005)															
Iron (Fe)		.05	.03	.04	.4	.35	.05	.22	.22	.22	ND	ND	ND	.06	.15	.07
Lead, (Pb)	GPS (.5)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)		.32	.23	ND	.06	.01	ND	.06	.1	.04	.06	.06	.11	.02	.03	.01
Mercury (Hg)	GPS (.002)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum (Mo)	GPS (.04)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel (Ni)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver (Ag)	GPS (.05)															
Thallium (Tl)	GPS (.01)															
Vanadium (V205)		ND	ND	ND	ND	ND	.11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc (Zn)		.49	.11	.06	.08	ND	.05	.1	.28	.1	.04	ND	.61	.01	.01	.02
RADIOMETRIC pCi/l:																
Uranium, natural	GPS (1.7)	6.1	27.1	16.2	12.1	12.2	4.06	20.3	8.12	8.12	6.77	10.83	29.79	23.02	6.77	8.12
Radium 226		1.2	.71	.58	ND	1.6	4.3	14	6.2	.13	3.6	3.6	13	20	2.2	6.0
Combined Ra226/228	GPS (2.8)															
Thorium 230	GPS (10.0)	.38	ND	.44	ND	.76	1.6	1.8	6.6	.23	1.9	1.4	3.3	.79	.35	.1
Lead (Pb210)	GPS (1.4)	4.3	ND	ND	ND	20	9.4	13	6.8	.7	10	14	37	37	4.1	7.6
Gross Alpha	GPS (6.6)															

A/C Balance

## KENNECOTT URANIUM COMPANY --- SWEETWATER URANIUM FACILITY

Page 2

WELL TMW-5

GPS = Groundwater Protection Standard

	GPS	5/2	5/29	6/22	8/5	9/3	9/24	10/29	11/24	12/18	(1982) 1/25	2/18	4/2	7/14	9/16	(1983) 1/4
ND=Non-detectable																
FIELD DATA mg/l:																
Temperature (°C)																
pH (Std. Units)																
Cond (umho/cm)																
TDS																
MAJOR IONS mg/l:																
Calcium (Ca)		24	25.5	23.9	17.2	27	150.1	151.8	121	158.9	169.3	93.9	93.2	109.9	95.3	136.9
Magnesium (Mg)													6.7	9.3	10.1	9.71
Sodium (Na)		22.6	21.8	27.5	22	17	20	23	22.8	21.9	24.7	23.5	23.6	22.8	22.9	35.5
Potassium (K)		1.9	2.3	2.2	2.3	1	1.26	1.07	1.1	1.2	1.93	3.46	3.96	3.82	3.9	3.1
Carbonate (CO3)		0												0	0	0
Bicarbonate (HCO3)		166												144	136	147
Sulfate ((SO4)			87	273	371.9	268.8	235.4	113	167	143	162	130	139	164	165.9	131
Chloride (Cl)		7.5	3.1	6.7	5.7	5.6	3.75	5.55	6.4	5.4	6.1	6.3	4.5	5	4.7	4.6
Nitrate-N (NO3)		.14	ND	.02	ND	ND	.005	.07	ND	.02	.08	ND	ND	ND	ND	.19
Fluoride (F)		.22	.29	.24	.111	.134	.13	.19	.3	.2	.265	.214	.22	.175	.2	.18
Silica (SiO2)		2.8														
TDS @ 180% C.	GPS (500)	705	337	372	362	383	366	404	350	424	433.4	424.1	426.7	398	337	469
Cond (umho/cm)																
Alk-CaCO3																
pH (units)	GPS (6.8)	7.7	7.2	7.2	7.3	7.4	7.4	8.2	6.9	6.8	7.8	7.6	7.4	7.5	7.6	7.7
TRACE METALS mg/l:																
Aluminum (Al)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND
Arsenic (As)	GPS (.05)	ND	ND	ND	ND	ND	ND	ND	.009	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	GPS (1.0)															
Beryllium (Be)	GPS (.01)															
Boron (B)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	GPS (.01)	ND	ND	ND	ND	ND	.01	.002	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (Cr)	GPS (.05)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper (Cu)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.03	.1	ND	ND	ND
Cyanide (CN)	GPS (.005)															
Iron (Fe)		ND	ND	ND	ND	ND	.5	.8	ND	.7	.5	5.3	ND	ND	ND	ND
Lead, (Pb)	GPS (.5)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)		ND	ND	ND	.04	.047	.04	.17	.19	.3	.13	.22	ND	.2	.09	.08
Mercury (Hg)	GPS (.002)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum (Mo)	GPS (.04)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel (Ni)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium (Se)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver (Ag)	GPS (.05)															
Thallium (Tl)	GPS (.01)															
Vanadium (V205)		.01	ND	ND	ND	ND	ND	ND	ND	.1	ND	ND	ND	ND	ND	ND
Zinc (Zn)		.02	ND	.05	.02	.023	.01	.056	.058	ND	.08	.22	ND	.04	.012	.016
RADIO-METRIC pCi/l:																
Uranium, natural	GPS (1.7)	9.48	16.93	4.06	60.93	6.09	.745	.68	6.77	3.39	.99	4.6	4.74	15.8	2.74	8.21
Radium 226		10.41	11.47	2.55	1.82	2.35	2.14	.7	2.1	2.4	1.74	3.83	.41	.73	.99	4.2
Combined Ra226/228	GPS (2.8)															
Thorium 230	GPS (10.0)	33.93	3.33	1.69	1.57	.67	1.32	2.66	18.33	.59	.89	5.55	5.85	28.8	ND	5.19
Lead (Pb210)	GPS (1.4)	4.0	3.6	3.4		ND	1.6	1.5	12.0	6.9	7.51	3.55	0.82	1.03	ND	ND
Gross Alpha	GPS (6.6)															

A/C Balance

GPS = Groundwater Protection Standard

ND=Non-detectable	GPS	(1984)						(1985)								
		3/22	7/6	10/6	1/19	4/16	7/12	10/2	2/14	4/10	5/15	6/18	6/28	8/21	9/5	10/14
FIELD DATA mg/l:																
Temperature (°C)											10.3	15.5	12.4	15.3	14.6	11.6
pH (Std. Units)											7.25	7.0	7.1	7.35	7.25	7.2
Cond (umho/cm)											248	251	314	270	249	256
TDS											160	190	250	210	210	190
MAJOR IONS mg/l:																
Calcium (Ca)		82	82	91	85	87	84	64	26	26				28		
Magnesium (Mg)		6.9	7	8	7	7	6	4	2	2				3		
Sodium (Na)		36.2	45	36	33	33	33	33	33	34				35		
Potassium (K)		2.9	3	4	3	3	3	2	2	2				2		
Carbonate (CO3)		0	0	0	0	0	0	0	0	0				0		
Bicarbonate (HCO3)		140	171	176	173	171	161	134	110	112				122		
Sulfate ((SO4)		173	186	180	174	178	170	122	47	47		34	56	35	360	30
Chloride (Cl)		6.8	8	8	10	12	12	10	6	8			8			
Nitrate-N (NO3)		.32	.87	ND	.74	.61	1.04	.2	.33	.5			.68			
Fluoride (F)		.201	.13	.18	.18	.17	.17	.11	.18	.16			.2			
Silica (SiO2)																
TDS @ 180% C.	GPS (500)	439.4	424	410	386	408	360	301	240	200	160	128	210	148	180	168
Cond (umho/cm)																
Alk-CaCO3																
pH (units)	GPS (6.8)	7.4	7.5	7.6	7.3	7.5	7.5	7.05	7.25	7.2	8.0	7.5	7.9	7.9	8.0	7.9
TRACE METALS mg/l:																
Aluminum (Al)		ND	ND	ND	ND	ND	ND	ND	.1	ND			ND	ND	ND	ND
Arsenic (As)	GPS (.05)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	GPS (1.0)				0(.5)	.034	.045	.03	.03	.03			.03			
Beryllium (Be)	GPS (.01)							ND								
Boron (B)		ND	ND	ND	ND	ND	ND	ND	ND	ND				ND		
Cadmium (Cd)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND		
Chromium (Cr)	GPS (.05)	ND	ND	ND	ND	ND	ND	ND	ND	.09				ND		
Copper (Cu)		ND	ND	ND	ND	ND	ND	ND	.01	.01				ND		
Cyanide (CN)	GPS (.005)							ND								
Iron (Fe)		ND	.14	.2	.1	.17	.16	.09	.05	.04				ND		
Lead, (Pb)	GPS (.5)	ND	ND	ND	ND	ND	ND	ND	ND	ND				.05		
Manganese (Mn)		.06	.06	.07	.06	.071	.059	.04	.01	.01				.01		
Mercury (Hg)	GPS (.002)	ND	ND	ND	ND	.0004	ND	.0004	ND	ND				ND		
Molybdenum (Mo)	GPS (.04)	ND	ND	ND	ND	ND	ND	ND	.02					ND		
Nickel (Ni)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND		
Selenium (Se)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver (Ag)	GPS (.05)													ND		
Thallium (Tl)	GPS (.01)							ND						ND		
Vanadium (V205)		ND	ND	ND	ND	.057	.023	ND	ND					ND		
Zinc (Zn)		.015	.01	.02	.01	ND	ND	ND	.01	ND				ND		
RADIOMETRIC pCi/L:																
Uranium, natural	GPS (1.7)		ND	ND	2.0	2.7	2.708	2.97	6.77	1.8				34		
Radium 226		1.5	.6	1.0	1.3	.7	1.1	1.8	.5	.5				.6		
Combined Ra226/228	GPS (2.8)															
Thorium 230	GPS (10.0)	3.4	0.1	1.0	0.7	0.9	0.1	1.3	.1	.1				.1		
Lead (Pb210)	GPS (1.4)	.079	ND	ND	ND	.3	.4	1.7								
Gross Alpha	GPS (6.6)															
-----																
A/C Balance					3.1	3.05	2.55	1.14	.08	1.01				2.53		

WELL TMW-5

GPS = Groundwater Protection Standard

		(1986)										(1987)				
ND=Non-detectable	GPS	11/20	12/13	1/22	2/20	3/18	4/4	5/6	6/3	7/9	10/2	10/6	1/20	2/3	3/3	4/2
<b>FIELD DATA mg/l:</b>																
Temperature (%C)		10.7	10	11.2	10.5	8.9	10.1	9.7	11.6	11.3	9.9	12.1	9.4	10.4	9.8	10
pH (Std. Units)		7.14	7.16	7.82	7.43	8.04	8.13	7.7	8.16	7.67	7.28	7.08	7.75	7.64	7.53	7.44
Cond (umho/cm)		265	262	219	238	229	235	245	249	239	238	239	231	245	257	281
TDS		160	160	160	160	190	190	190	230	190	180	200	200	210	340	230
<b>MAJOR IONS mg/l:</b>																
Calcium (Ca)												17				
Magnesium (Mg)												1				
Sodium (Na)												29				
Potassium (K)												1				
Carbonate (CO3)												0				
Bicarbonate (HCO3)												107				
Sulfate ((SO4)		30	37	22	30	31	29	28	26	26	33			26	38	52
Chloride (Cl)												3				
Nitrate-N (NO3)												.6				
Fluoride (F)												.2				
Silica (SiO2)																
TDS @ 180% C.	GPS (500)	156	204	138	170	154	130	180	166	132	84	154		177	168	192
Cond (umho/cm)																
Alk-CaCO3																
pH (units)	GPS (6.8)	7.8	8.0	7.8	8.2	8.1	7.8	8.0	7.5	7.7	7.89		7.6	8.0	7.7	8.2
<b>TRACE METALS mg/l:</b>																
Aluminum (Al)													ND			
Arsenic (As)	GPS (.05)	ND	ND	.004	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
Barium (Ba)	GPS (1.0)											.03				
Beryllium (Be)	GPS (.01)															
Boron (B)												ND				
Cadmium (Cd)	GPS (.01)											ND				
Chromium (Cr)	GPS (.05)								.058	ND	ND					
Copper (Cu)												ND				
Cyanide (CN)	GPS (.005)											ND				
Iron (Fe)												ND				
Lead, (Pb)	GPS (.5)															
Manganese (Mn)												ND				
Mercury (Hg)	GPS (.002)											.0004				
Molybdenum (Mo)	GPS (.04)															
Nickel (Ni)	GPS (.01)											.05				
Selenium (Se)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	.0095	ND	.0017
Silver (Ag)	GPS (.05)											ND				
Thallium (Tl)	GPS (.01)															
Vanadium (V205)												.02				
Zinc (Zn)																
<b>RADIOMETRIC pCi/l:</b>																
Uranium, natural	GPS (1.7)				ND							ND	ND			
Radium 226					.6							.1	1.4			
Combined Ra226/228	GPS (2.8)															
Thorium 230	GPS (10.0)				.4							.1	.1			
Lead (Pb210)	GPS (1.4)															
Gross Alpha	GPS (6.6)															
-----																
A/C Balance												2.7				

## KENNECOTT URANIUM COMPANY --- SWEETWATER URANIUM FACILITY

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WELL TMW-5

GPS = Groundwater Protection Standard

		5/4	6/2	7/8	8/5	9/9	10/5	11/9	12/2	(1988) 1/4	2/3	2/3	3/2	4/7	4/7	5/3
ND=Non-detectable	GPS															
FIELD DATA mg/l:																
Temperature (%C)		10.8	10.5	11.7	11.3	11.9	11.1	10.8	10.2	8.7	9.1	9.1	10.5	10.6	10.6	10.3
pH (Std. Units)		7.55	8.06	6.38	7.07	7.6	8.1	7.71	7.59	7.59	7.45	7.45	7.2	7.0	7.0	7.98
Cond (umho/cm)		257	275	245	237	206	238	242	264	242	238	238	303	220	220	240
TDS		400	450	200	250	210	210	210	300	180	160	160	250	200	200	190
MAJOR IONS mg/l:																
Calcium (Ca)														25	22	
Magnesium (Mg)														2	11	
Sodium (Na)														32	28	
Potassium (K)														2	1	
Carbonate (CO3)															0	
Bicarbonate (HCO3)														104	61	
Sulfate ((SO4)		29	30	28	24	29	34	33	36	30	32	43	63	50	40	44
Chloride (Cl)														3	6	
Nitrate-N (NO3)														.7	ND	
Fluoride (F)														.2	.22	
Silica (SiO2)																
TDS @ 180% C.	GPS (500)	176	158	160	156	212	174	154	140	200	188	163	195	180	171	186
Cond (umho/cm)																
Alk-CaCO3																
pH (units)	GPS (6.8)	8.1	7.8	8.2	7.9	7.5	8.2	7.8	7.9	7.8	8.0	7.88	7.9	8.0	7.19	7.7
TRACE METALS mg/l:																
Aluminum (Al)														ND	ND	
Arsenic (As)	GPS (.05)	ND	.0011	.206	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.001	ND
Barium (Ba)	GPS (1.0)													.04	ND	
Beryllium (Be)	GPS (.01)															
Boron (B)														.11	.12	
Cadmium (Cd)	GPS (.01)													.02	ND	
Chromium (Cr)	GPS (.05)													ND	ND	
Copper (Cu)														.05	ND	
Cyanide (CN)	GPS (.005)															
Iron (Fe)														.09	ND	
Lead, (Pb)	GPS (.5)													.16	ND	
Manganese (Mn)														.02	ND	
Mercury (Hg)	GPS (.002)													ND	ND	
Molybdenum (Mo)	GPS (.04)														ND	
Nickel (Ni)	GPS (.01)														ND	
Selenium (Se)	GPS (.01)	ND	.0001	ND	ND	.002	ND	ND	.001	.002	.001	.005	ND	ND	.003	.003
Silver (Ag)	GPS (.05)													ND	ND	
Thallium (Tl)	GPS (.01)															
Vanadium (V205)														ND	ND	
Zinc (Zn)															ND	
RADIOMETRIC pCi/l:																
Uranium, natural	GPS (1.7)			ND								ND				
Radium 226				1.7								3.2				
Combined Ra226/228	GPS (2.8)															
Thorium 230	GPS (10.0)			.6								1.1				
Lead (Pb210)	GPS (1.4)															
Gross Alpha	GPS (6.6)															
-----														.52	4.72	
A/C Balance																

WELL THW-5

GPS = Groundwater Protection Standard

		(1989)															
ND=Non-detectable	GPS	6/1	7/13	8/8	9/2	10/2	11/4	12/2	1/11	2/7	2/7	2/7	3/9	3/9	3/14	3/14	
FIELD DATA mg/l:																	
Temperature (°C)		10.4	11.2	10.7	11.4	11.3	10.6	10.9	9.8	8.2	8.2	8.2	10.0	10.0	9.6	9.6	
pH (Std. Units)		8.34	7.28	8.16	8.12	8.01	7.89	7.9	8.25	7.98	7.98	7.98	7.62	7.62	7.73	7.73	
Cond (umho/cm)		230	182	213	209	225	212	211	166	198	198	198	204	204	196	196	
TDS		130	140	190	160	190	150	150	150	150	150	150	150	150	150	150	
MAJOR IONS mg/l:																	
Calcium (Ca)													18.8	18	17.6	19	
Magnesium (Mg)													.84	.7	.82	.8	
Sodium (Na)													28.5	30	30	30	
Potassium (K)													1.3	2	1.3	2	
Carbonate (CO3)													0	0	0	0	
Bicarbonate (HCO3)													92.7	91.5	92.7	106	
Sulfate ((SO4)		33	34	32		30	28	25	27		31.5	28	29.2	34	31.5	29	
Chloride (Cl)													2.8	1	2.1	2	
Nitrate-N (NO3)													.57	3.05	1	.725	
Fluoride (F)													.25	.17	.15	.18	
Silica (SiO2)																	
TDS @ 180% C.	GPS (500)	142	158	136		150	144	174	102		142	166	132	122	146	158	
Cond (umho/cm)																	
Alk-CaCO3																	
pH (units)	GPS (6.8)	8.0	7.8	7.9	7.65	7.8	7.9	7.6	7.75	7.45	7.44	7.15	7.64	7.6	7.78	7.6	
TRACE METALS mg/l:																	
Aluminum (Al)													ND	ND	ND	ND	
Arsenic (As)	GPS (.05)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.001	ND	ND	ND	
Barium (Ba)	GPS (1.0)												ND	ND	ND	ND	
Beryllium (Be)	GPS (.01)												ND	ND	ND	ND	
Boron (B)													ND	ND	ND	.14	
Cadmium (Cd)	GPS (.01)												ND	ND	ND	ND	
Chromium (Cr)	GPS (.05)	ND	ND	ND		ND	ND	ND	ND				ND	ND	ND	ND	
Copper (Cu)													ND	ND	ND	ND	
Cyanide (CN)	GPS (.005)												ND	ND	ND	ND	
Iron (Fe)													ND	ND	ND	ND	
Lead, (Pb)	GPS (.5)												ND	ND	ND	ND	
Manganese (Mn)													ND	ND	ND	ND	
Mercury (Hg)	GPS (.002)												ND	ND	ND	ND	
Molybdenum (Mo)	GPS (.04)												ND	ND	ND	ND	
Nickel (Ni)	GPS (.01)												ND	ND	ND	ND	
Selenium (Se)	GPS (.01)	ND	ND	ND	ND	.002	ND	.0071	ND	ND	ND	ND	ND	ND	ND	ND	
Silver (Ag)	GPS (.05)												ND	ND	ND	ND	
Thallium (Tl)	GPS (.01)												ND	.1	ND	ND	
Vanadium (V205)													ND	.05	ND	.14	
Zinc (Zn)													ND	ND	.01	ND	
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (1.7)				2.4				ND				1.7	ND	3.047	3.5	
Radium 226					1.4				1.5								
Combined Ra226/228	GPS (2.8)												1.5	ND	ND	2.2	
Thorium 230	GPS (10.0)				.2				.3				.2	ND	ND	.6	
Lead (Pb210)	GPS (1.4)												.4	ND	ND	ND	
Gross Alpha	GPS (6.6)												4.2	ND	4.4	ND	
-----																	
A/C Balance													.99	1.67	.988	.84	

## KENNECOTT URANIUM COMPANY --- SWEETWATER URANIUM FACILITY

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WELL TMW-5

GPS = Groundwater Protection Standard

Energy Labs Inc unless noted.

		(Core)							(Core)							
	GPS	4/4	6/27	6/28	6/27	6/28	10/11	11/5	1990 2/23	3/15	8/15	11/25	1991 3/10	7/18/91	1992 3/23	5/28
ND=Non-detectable																
FIELD DATA mg/l:																
Temperature (°C)		10.2	12.5	12.0	12.5	12.0	9.2	9.6	10.6	9.9	11.1	9.5	10.4		9.8	11.4
pH (Std. Units)		7.48	7.95	7.46	7.95	7.46	6.96	7.2	7.57	7.21	6.53	7.24	7.09		7.6	8.2
Cond (umho/cm)		189	195	216	195	216	169	166	136	123	120	114	123		260	231
TDS		110	120	130	120	130	144	120	130	120	140	130	130		129	119
MAJOR IONS mg/l:																
Calcium (Ca)		18	19.4	19.2	17.2	20	23	21	19	17.3	24.2	22.9	20.5	20.1	20.7	20.1
Magnesium (Mg)		1.1	1	.8	.97	.94	1	.92	1.01	1.4	ND	1.1	1.01	1.1	1.1	1.10
Sodium (Na)		28	28	28.5	31.5	31.5	33.3	31	30.7	34	33	30.8	30.1	29.6	34.6	34.3
Potassium (K)		1.8	1.7	1.7	1.5	1.6	2.3	2.4	1.6	2.8	1.3	1.1	1.7	1.8	2.2	1.34
Carbonate (CO3)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bicarbonate (HCO3)		103	97.6	97.6	100	100	109	107	108	110	108	107	109	108	121	110
Sulfate (SO4)		24	30	28.4	31	30.7	37.1	28	30.5	33	31	35.2	36.4	31.6	29.8	30.6
Chloride (Cl)		3	2	2	3	2.3	2.6	1.9	2.1	2	3	2.4	2.1	2.2	5.5	2.40
Nitrate-N (NO3)		1.9	1.21	1.75	1.07	1.63	3.2	3	1.22	4.5	5.11	0.05	.06	0.03	ND	ND
Fluoride (F)		.18	.27	.28	.23	.21	.16	.17	.2	.13	.25	0.28	.23	0.15	0.19	0.23
Silica (SiO2)											14.1	14.5	12.8	14.4	7.8	10.5
TDS @ 180% C.	GPS (500)	104	142	144	150	148	176	160	147	150	170	156	163	161	170	156
Cond (umho/cm)											278	262	254	270	279	239
Alk-CaCO3											88	88	90	90.0	99.0	90.0
pH (units)	GPS (6.8)	7.7	7.7	7.7	6.87	7.25	7.74	7.1	7.98	7.6	6.45	7.54	7.98	8.10	7.04	7.74
TRACE METALS mg/l:																
Aluminum (Al)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic (As)	GPS (.05)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium (Ba)	GPS (1.0)	ND	ND	0	ND	ND	ND	ND	ND	.04	ND	ND	ND	ND	ND	ND
Beryllium (Be)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron (B)		.12	ND	ND	.03	.03	ND	ND	ND	.06	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (Cr)	GPS (.05)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03	ND	ND
Copper (Cu)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide (CN)	GPS (.005)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron (Fe)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead, (Pb)	GPS (.5)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese (Mn)		.012	.02	.02	.013	.011	.011	.02	ND	ND	.03	.01	.01	0.01	ND	0.02
Mercury (Hg)	GPS (.002)	ND	ND	.0002	ND	ND	ND	ND	ND	.0002	ND	ND	ND	ND	ND	ND
Molybdenum (Mo)	GPS (.04)	ND	.13	.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03
Nickel (Ni)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND
Selenium (Se)	GPS (.01)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver (Ag)	GPS (.05)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium (Tl)	GPS (.01)	ND	ND	.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium (V205)		ND	.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc (Zn)		ND	.011	ND	ND	ND	ND	.01	ND	ND	.01	.03	ND	ND	ND	0.02
RADIOMETRIC pCi/l:																
Uranium, natural	GPS (1.7)	ND	ND	ND	ND	ND	.7	4.0	0.6	ND	ND	ND	ND	1.6	14.2	1.6
Radium 226									2.4	0.4	ND	2.7	.6	ND	1.7	ND
Combined Ra226/228	GPS (2.8)	2.5	1.3	1.8	2.5	2.8	4.3	ND	2.4	0.4	ND	5.7	.6	1.6	ND	3.4
Thorium 230	GPS (10.0)	.3	.1	.1	6.0	10.0	ND	ND	ND	0.6	3.5	ND	ND	ND	ND	ND
Lead (Pb210)	GPS (1.4)	.6	.1	.1	1.4	ND	ND	4.0	ND	ND	ND	ND	2.1	ND	ND	ND
Gross Alpha	GPS (6.6)	1.5	2.9	2.6	6.6	5.9	4.1	1.0	2.8	4.9	3.0	3.0	ND	ND	1.8	ND
A/C Balance		.7	.669	1.3	1.043	.989	1.03	1.012	1.039	.29	1.021	.967	1.041	1.005	1.009	



## KENNECOTT URANIUM COMPANY --- SWEETWATER URANIUM FACILITY

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GPS = Groundwater Protection Standard

Energy Labs Inc unless noted.

1993

ND = Non-detectable 4/29/93 7/15/93 AVERAGE MINIMUM MAXIMUM

## FIELD DATA mg/l:

	4/29/93	7/15/93	AVERAGE	MINIMUM	MAXIMUM
Temperature (°C)	12.4	13.7			
pH (Std. Units)	8.2	8.1			
CoD (umho/cm)	252	242			
TDS	126	121			

## MAJOR IONS mg/l:

Calcium (Ca)	17.3	19	60.34	17.00	184.00
Magnesium (Mg)	1	.9	5.54	.70	30.00
Sodium (Na)	31.3	31.8	30.34	17.00	51.00
Potassium (K)	.6	.9	2.39	.60	6.00
Carbonate (CO3)	0	0	.00	.00	.00
Bicarbonate (HCO3)	110	118	133.83	61.00	205.00
Sulfate (SO4)	29.3	27.7	88.61	22.00	460.00
Chloride (Cl)	2.2	2	7.58	1.00	98.00
Nitrate-N (NO3)	ND	ND	.92	.01	5.11
Fluoride (F)	.19	.13	.21	.11	.30
Silica (SiO2)	15.1	15.7	15.58	2.80	73.80
TDS @ 180 C.	157	153	253.12	84.00	956.00
CoD (umho/cm)	245	241	258.50	239.00	279.00
Alk-CaCO3	90.3	96.4	91.46	88.00	99.00
pH (units)	7.57	6.6	7.61	6.45	8.20

## TRACE METALS mg/l:

Aluminum (Al)	ND	.18	1.11	.10	6.40
Arsenic (As)	ND	ND	.04	.00	.21
Barium (Ba)	ND	ND	.03	.03	.05
Beryllium (Be)	ND	ND	ND	N/A	N/A
Boron (B)	ND	ND	.34	.03	2.10
Cadmium (Cd)	ND	ND	.01	.00	.02
Chromium (Cr)	ND	ND	.06	.03	.09
Copper (Cu)	ND	ND	.04	.01	.10
Cyanide (CN)	ND	ND	ND	N/A	N/A
Iron (Fe)	ND	ND	.43	.03	5.30
Lead, (Pb)	ND	ND	.11	.05	.16
Manganese (Mn)	ND	ND	.06	.01	.30
Mercury (Hg)	ND	ND	.00	.00	.00
Molybdenum (Mo)	ND	ND	.08	.02	.13
Nickel (Ni)	ND	ND	.03	.01	.05
Selenium (Se)	ND	ND	.00	.00	.01
Silver (Ag)	ND	ND	ND	N/A	N/A
Thallium (Tl)	ND	ND	.06	.01	.10
Vanadium (V2O5)	ND	ND	.06	.01	.14
Zinc (Zn)	ND	ND	.07	.01	.61

## RADIOMETRIC pci/l:

Uranium, natural	ND	1.4	9.09	.60	60.93
Radium 226	.8	1.2	2.94	.10	20.00
Combined Ra226/228	7.6	1.2	2.61	.40	7.60
Thorium 230	ND	ND	3.11	.10	33.93
Lead (Pb210)	2.1	2.7	6.33	.08	37.00
Gross Alpha	ND	1.5	3.35	1.00	6.60

A/C Balance	1.027	.97	1.37	.08	4.72
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## KENNECOTT URANIUM COMPANY --- SWEETWATER URANIUM FACILITY

TMW-8

NORTHING: 148,912.15

GPS = Groundwater Protection Standard

EASTING: 324,561.80

Lab: Energy Labs Inc., unless otherwise noted.

	(GPS)	EPA DWS	1991 8/7	1992 1/14	6/18	9/16	1993 1/28	7/15	AVERAGE	MINIMUM	MAXIMUM
FIELD DATA mg/l:											
Temperature (C)			N/A	8.1	13.9	13.8	7	12.9			
pH (Std. Units)			6.88	7.8	8.2	7.9	8.1				
Cond (umho/cm)			385	445	571	463	383				
TDS			191	217	243	223	188				
MAJOR IONS mg/l:											
Calcium (Ca)			29.8	27.6	28	34.3	31.3	31.8	30.47	27.60	34.30
Magnesium (Mg)			1.5	1.7	2.5	1.82	2.5	1.5	1.92	1.50	2.50
Sodium (Na)			32.3	38.6	38.2	41.9	41.6	42.6	39.20	32.30	42.60
Potassium (K)			2	2	2.11	3.1	1.7	1.3	2.04	1.30	3.10
Carbonate (CO3)			0	0	0	0	0	0	.00	.00	.00
Bicarbonate (HCO3)			106	126	127	126	117	124	121.00	106.00	127.00
Sulfate (SO4)			64.2	60	64.4	69	77.6	71.3	67.75	60.00	77.60
Chloride (Cl)			2.4	3.1	.2	4.7	3.7	3.3	2.90	.20	4.70
Nitrate-N (NO3)		10	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Fluoride (F)		4	.12	.17	.19	.11	.29	.12	.17	.11	.29
Silica (SiO2)			10.5	12.4	11.5	19.8	15.6	16.6	14.40	10.50	19.80
TDS @ 180% C.	GPS (500)		200	210	194	216	236	230	214.33	194.00	236.00
Cond (umho/cm)			346	378	314	321	391	340	348.33	314.00	391.00
Alk-CaCO3			88	103	104	103	96.2	102	99.37	88.00	104.00
pH (units)	GPS (6.8)	6.5-8.5	7.91	7.58	7.32	8	7.44	6.57	7.47	6.57	8.00
TRACE METALS mg/l:											
Aluminum (Al)			ND	ND	.14	ND	ND	ND	.14	.14	.14
Arsenic (As)	.05	.05	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Barium (Ba)	1	1	ND	ND	ND	.06	ND	ND	.06	.06	.06
Beryllium (Be)	.01		ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Boron (B)			ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Cadmium (Cd)	.01	.01	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Chromium (Cr)	.05	.05	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Copper (Cu)			ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Cyanide (CN)	.005		ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Iron (Fe)			ND	.09	ND	ND	.12	ND	.11	.09	.12
Lead (Pb)	.5	.05	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Manganese (Mn)			.02	.18	.32	.353	.31	.23	.24	.02	.35
Mercury (Hg)	.002	.002	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Molybdenum (Mo)	.04		ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Nickel (Ni)	.01		ND	ND	.01	ND	.02	ND	.02	.01	.02
Selenium (Se)	.01	.01	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Silver (Ag)	.05		ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Thallium (Tl)	.01		ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Vanadium (V205)			ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Zinc (ZN)			ND	.06	ND	.03	ND	ND	.03	.01	.06
RADIOMETRIC pci/l:											
Uranium, Natural	1.7	3385	ND	2.6	1.4	4.7	ND	.7	2.35	.70	4.70
Radium 226			1.4	ND	.2	.8	.2	.8	.68	.20	1.40
Comb. Ra226/228	2.8	5	1.4	1.2	.2	2.7	7	.8	2.22	.20	7.00
Thorium 230	10		ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Lead (Pb210)	1.4		ND	ND	2.3	1.5	5.8	2.5	3.03	1.50	5.80
Gross Alpha	6.6	15	1.7	ND	ND	ND	ND	ND	1.70	1.70	1.70
A/C Balance			1.007	1.027		2.55	1.01	.994	1.32	.99	2.55

## KENNECOTT URANIUM COMPANY --- SWEETWATER URANIUM FACILITY

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TMW-24

NORTHING: 150,307.90

GPS = Groundwater Protection Standard

EASTING: 325,992.24

Lab: Energy Labs Inc., unless otherwise noted.

			1991	1992		1993			
	(GPS)	EPA DWS	8/7	4/14	7/23	5/27	AVERAGE	MINIMUM	MAXIMUM
<b>FIELD DATA mg/l:</b>									
Temperature (C)				11		12.8			
pH (Std. Units)				7		8			
Cond (umho/cm)				459		342			
TDS				189		171			
<b>MAJOR IONS mg/l:</b>									
Calcium (Ca)			27.3	26.5	24.3	24.4	25.63	24.30	27.30
Magnesium (Mg)			1.6	1.5	1.37	1.3	1.44	1.30	1.60
Sodium (Na)			25.5	34	35	29	30.88	25.50	35.00
Potassium (K)			2	2.7	1.82	.8	1.83	.80	2.70
Carbonate (CO3)			0	0	0	0	.00	.00	.00
Bicarbonate (HCO3)			109	141	108	113	117.75	108.00	141.00
Sulfate (SO4)			35.8	35.9	48	41.5	40.30	35.80	48.00
Chloride (Cl)			2.2	3	2.6	4.6	3.10	2.20	4.60
Nitrate-N (NO3)		10	ND	ND	ND	ND	ND	N/A	N/A
Fluoride (F)		4	.19	.14	.28	.18	.20	.14	.28
Silica (SiO2)			10.5	14.9	15.7	15	14.03	10.50	15.70
TDS @ 180% C.	GPS (500)		170	178	178	172	174.50	170.00	178.00
Cond (umho/cm)			281	266	244	292	270.75	244.00	292.00
Alk-CaCO3			90	116	88.4	92.6	96.75	88.40	116.00
pH (units)	GPS (6.8)	6.5-8.5	7.86	7.88	8	7.7	7.86	7.70	8.00
<b>TRACE METALS mg/l:</b>									
Aluminum (Al)			ND	ND	ND	ND	ND	N/A	N/A
Arsenic (As)	.05	.05	ND	ND	ND	ND	ND	N/A	N/A
Barium (Ba)	1	1	ND	ND	ND	ND	ND	N/A	N/A
Beryllium (Be)	.01		ND	ND	ND	ND	ND	N/A	N/A
Boron (B)			ND	ND	ND	ND	ND	N/A	N/A
Cadmium (Cd)	.01	.01	ND	ND	ND	ND	ND	N/A	N/A
Chromium (Cr)	.05	.05	ND	ND	ND	ND	ND	N/A	N/A
Copper (Cu)			ND	ND	ND	ND	ND	N/A	N/A
Cyanide (CN)	.005		ND	ND	ND	ND	ND	N/A	N/A
Iron (Fe)			ND	ND	ND	ND	ND	N/A	N/A
Lead (Pb)	.5	.05	ND	ND	ND	ND	ND	N/A	N/A
Manganese (Mn)			.02	ND	.02	ND	.02	.02	.02
Mercury (Hg)	.002	.002	ND	ND	ND	ND	ND	N/A	N/A
Molybdenum (Mo)	.04		ND	.03	ND	ND	.03	.03	.03
Nickel (Ni)	.01		ND	ND	ND	ND	ND	N/A	N/A
Selenium (Se)	.01	.01	ND	ND	ND	ND	ND	N/A	N/A
Silver (Ag)	.05		ND	ND	ND	ND	ND	N/A	N/A
Thallium (Tl)	.01		ND	ND	ND	ND	ND	N/A	N/A
Vanadium (V205)			ND	ND	ND	ND	ND	N/A	N/A
Zinc (ZN)			.03	ND	ND	.02	.03	.02	.03
<b>RADIOMETRIC pCi/l:</b>									
Uranium, Natural	1.7	3385	ND	.6	.2	.2	.33	.20	.60
Radium 226			2.3	.5	.5	.4	.93	.40	2.30
Comb. Ra226/228	2.8	5	4.1	1.8	.5	1.6	2.00	.50	4.10
Thorium 230	10		ND	ND	ND	ND	ND	N/A	N/A
Lead (Pb210)	1.4		ND	6.5	ND	ND	6.50	6.50	6.50
Gross Alpha	6.6	15	2.7	ND	ND	ND	2.70	2.70	2.70
-----									
A/C Balance			.959	1.032	1.6	.987	1.14	.96	1.60

## KENNECOTT URANIUM COMPANY --- SWEETWATER FACILITY

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WELL TMW-47

NORTHING: 147,310.10

GPS = Groundwater Protection Standard

EASTING: 326,491.24

Lab: Energy Labs Inc., unless otherwise noted.

		1991	1992	1993				
ND = Non-detectable	(GPS)	8/7/91	2/11/92	5/12/92	4/29/93	AVERAGE	MINIMUM	MAXIMUM
FIELD DATA mg/l:								
Temperature (C)			8	9.3	9.5			
pH (Std. Units)			9.35	9	8.3			
Cond (umho/cm)			213	207	258			
TDS			105	105	129			
MAJOR IONS mg/l:								
Calcium (Ca)		16.7	8.2	8.27	14.3	11.87	8.2	16.7
Magnesium (Mg)		.8	.6	.79	.7	.72	.6	.8
Sodium (Na)		24	36.4	36.3	34.4	32.78	24	36.4
Potassium (K)		2.1	2.6	2.34	1.5	2.14	1.5	2.6
Carbonate (CO3)		1.9	1.9	0	0	.95	0	1.9
Bicarbonate (HCO3)		90	79	77.6	97.5	86.03	77.6	97.5
Sulfate (SO4)		23.4	30.1	33.9	30.3	29.43	23.4	33.9
Chloride (Cl)		2.4	2.7	2.4	1.8	2.33	1.8	2.7
Nitrate-N (NO3)		ND	ND	ND	ND	ND	N/A	N/A
Fluoride (F)		.17	.18	.15	.17	.17	.15	.18
Silica (SiO2)		10.5	13.4	10.5	14	12.10	10.5	14
TDS @ 180% C.	GPS (500)	131	133	133	146	135.75	131	146
Cond (umho/cm)		231	218	200	223	218.00	200	231
Alk-CaCO3		77	64.8	63.6	79.9	71.33	63.6	79.9
pH (units)	GPS (6.8)	8.58	8.62	7.78	7.78	8.19	7.78	8.62
TRACE METALS mg/l:								
Aluminum (Al)		ND	ND	ND	ND	ND	N/A	N/A
Arsenic (As)	.05	ND	ND	ND	ND	ND	N/A	N/A
Barium (Ba)	1	ND	ND	ND	ND	ND	N/A	N/A
Beryllium (Be)	.01	ND	ND	ND	ND	ND	N/A	N/A
Boron (B)		ND	ND	ND	ND	ND	N/A	N/A
Cadmium (Cd)	.01	ND	ND	ND	ND	ND	N/A	N/A
Chromium (Cr)	.05	ND	ND	ND	ND	ND	N/A	N/A
Copper (Cu)		ND	ND	ND	ND	ND	N/A	N/A
Cyanide (CN)	.005	ND	ND	ND	ND	ND	N/A	N/A
Iron (Fe)		.44	ND	ND	ND	.44	.44	.44
Lead (Pb)	.5	ND	ND	ND	ND	ND	N/A	N/A
Manganese (Mn)		ND	ND	ND	ND	ND	N/A	N/A
Mercury (Hg)	.002	ND	ND	ND	ND	ND	N/A	N/A
Molybdenum (Mo)	.04	ND	ND	.02	ND	.02	.02	.02
Nickel (Ni)	.01	ND	ND	ND	ND	ND	N/A	N/A
Selenium (Se)	.01	ND	ND	ND	ND	ND	N/A	N/A
Silver (Ag)	.05	ND	ND	ND	ND	ND	N/A	N/A
Thallium (Tl)	.01	ND	ND	ND	ND	ND	N/A	N/A
Vanadium (V205)		ND	ND	ND	ND	ND	N/A	N/A
Zinc (Zn)		ND	ND	.02	ND	.02	.02	.02
RADIOMETRIC pCi/l:								
Uranium, Natural	1.7	ND	.68	ND	ND	.68	.68	.68
Radium 226		1.2	.4	ND	4.1	1.90	.4	4.1
Comb. Ra226/228	2.8	1.2	.4	ND	6.4	2.67	.4	6.4
Thorium 230	10	ND	ND	ND	ND	ND	N/A	N/A
Lead (Pb210)	1.4	1.7	ND	3.4	1.8	2.30	1.7	3.4
Gross Alpha	6.6	1.5	ND	ND	4.6	3.05	1.5	4.6
-----								
A/C Balance		1.014	.96		.994	.99	.96	1.014

HANSEN LAKE

Analysis of Surface Water

ND = Non-detectable

(GPS)	1974 7/18	1975 8/28	1977 7/29	12/6/77	1978 3/20	10/16/78	1979 7/17	1980 5/30	10/9/80	1981 5/19	11/3/81	1982 6/11	9/20	1983 6/30	11/14/83
<b>FIELD PARAMETERS:</b>															
Temperature (C)															
pH (Std. Units)															
Cond (umho/cm)															
TDS															
<b>MAJOR IONS mg/l:</b>															
Calcium (Ca)			14	12	9	18	11	19	13	3.2	15.6	5.4	5.8	10	8
Magnesium (Mg)			2	15	2	0	6	18	12			10.5	17.2	6	7
Sodium (Na)	2561	1489	1103	471	493	4326	1290	1100	4427	300	208	589	820	1240	2330
Potassium (K)	19	6.6	14	12	14	10	11	22	11	5.1	5.23	4.65	7.7	55	4
Carbonate (CO3)			312	144	120	1464	324	144	1249	340		1580	1326	336	673
Bicarbonate (HCO3)			744	366	610	3392	1293	842	3244	1130		280	152	1122	1805
Sulfate (SO4)	1860	1400	280	414	260	3000	830	448	3200	261	2650	1056	869.6	982	1600
Chloride (Cl)	610		900	110	106	800	290	196	1175	156	86	270	163	316	540
Nitrate-N (NO3)		.5	ND	.38	.21	.22	ND	.05	ND	1.7	ND	ND	ND	.37	.65
Fluoride (F)			.97	2.8	1.2	4	6.8	2.7	15.7	3.7	1.99	1.45	2.9	3.76	7.4
Silica (SiO2)			10.4	85.8	188	27.7	60.3	964	66.3	104	5.3	63.3	37.5	235.3	7.92
TDS @ 180 C.	500	6778	4984	2991	1356	1304	11289	3399	3620	12214	1290	8729	3538	2815.9	3562
Cond (umho/cm)			3700	1825	1800	11350	4576	2737	13327	5182	12516	6353	3550	4500	10000
Alk-CaCO3			1130	540	700	5219	1600	931	4740	1470	4020				2601
pH (units)	6.8	9.2	9.3	9.3	8.8	9	9.7	9.3	8.9	10.4	9.3	9.8	9.8	7.8	9.5
<b>TRACE METALS mg/l:</b>															
Aluminum (Al)			4.13	20.3	28.8	2.67	18.52	250	10.9	35.1	.54	12.95	27.1	40	27.6
Arsenic (As)	.05	.16	.01	ND	ND	.03	ND	.14	.05	.03	.08	.036	.12	.06	.08
Barium (Ba)	1														
Beryllium (Be)	.01														
Boron (B)			.5	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	.38	.7
Cadmium (Cd)	.01	ND	ND	ND	ND	ND	ND	ND	.01	ND	.023	ND	ND	ND	ND
Chromium (Cr)	.05	.013	.09	ND	ND	ND	ND	.24	ND	ND	ND	ND	ND	.12	.12
Copper (Cu)		.025	.01	ND	.01	.01	.03	.11	.02	.06	.02	ND	.03	.04	.07
Cyanide (CN)	.005														
Iron (Fe)			8.41	10.5	16.06	1.5	2.18	63	.3					23.6	13.9
Lead (Pb)	.5	.001	ND	ND	ND	ND	ND	.1	ND	ND	ND	ND	ND	.07	.1
Manganese (Mn)			.08	.06	.17	.02	.01	.5	.07	.31	.06	.32	.7	.18	.28
Mercury (Hg)	.002	.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum (Mo)	.04		ND	ND	ND	.03	ND	ND	.11	ND	ND	ND	ND	ND	ND
Nickel (Ni)	.01	.01	ND	ND	ND	ND	ND	.1	.08	.2	.07	ND	ND	.08	.07
Selenium (Se)	.01	.05	ND	ND	ND	ND	ND	ND	.05	.02	.167	.009	ND	ND	.04
Silver (Ag)	.05														
Thallium (Tl)	.01														
Vanadium (V205)			.08	ND	ND	ND	.14	ND	.36	ND	ND	ND	ND	.13	.09
Zinc (Zn)		.032	.08	.05	.02	.01	.1	.28	.02	.18	.025	.056	.067	.07	.12
<b>RADIOMETRIC pCi/l:</b>															
Uranium, Natural	1.7		35.2	3.39	23.7	94.8	28.4	25.7		22.3	77.2	31.3	34.8	40.62	55.69
Radium 226		33.6	0	1.2	4.2	2.4	3.5	13	1.65	7.83	.47	1.44	2.64	2	.6
Comb. Ra226/228	2.8														
Thorium 230	10	.34	.3	0	3.9	2.7	3.4	2.7	.011	27.6	2.75	35	ND	2.2	.8
Lead (Pb210)	1.4							12			1.6				
Gross Alpha	6.6														

A/C Balance

## HANSEN LAKE

## Analysis of Surface Water

ND = Non-detectable

	1984 6/20	11/21/84	1985 5/15	9/12/85	1986 5/7	9/8/86	1987 5/5	9/10/87	1988 5/3	1991 6/28	1992 7/23	1993 5/27	10/3	AVERAGE	MINIMUM	MAXIMUM
<b>FIELD PARAMETERS:</b>																
Temperature (C)						17.2	11.2	13.5	7.9							
pH (Std. Units)						9.47	9	9.03	9.42							
Cond (umho/cm)						13620	3850	6530	3250							
TDS						1000+	1000+	1000+	1000+							
<b>MAJOR IONS mg/l:</b>																
Calcium (Ca)	10	15	13	6	3	8	9	7	13	21	15.2		12	11.05	3.00	21.00
Magnesium (Mg)	6	11	8	21	2	12	8	6	12	18.7	9.5		13.1	9.70	.00	21.00
Sodium (Na)	1390	2920	1420	9800	940	4565	1060	1800	1140	602	1665		4011	2002.22	208.00	9800.00
Potassium (K)	10	13	10	13	4	9	7	5	8	11.1	5.83		7.2	11.27	4.00	55.00
Carbonate (CO3)	384	1009	312	3804	192	1248	144		192	46.2	199		593	701.53	46.20	3804.00
Bicarbonate (HCO3)	1171	2171	1439	3780	756	3440	1061		1120	820	1504		3727	1563.87	152.00	3780.00
Sulfate (SO4)	1020	2140	1150	8880	660	3560	990	1440	940	655	1547		3396	1684.76	260.00	8880.00
Chloride (Cl)	340	700	320	2025	228	1000	220	380	243	12.9	351		906	478.61	12.90	2025.00
Nitrate-N (NO3)	1.36	.34	5.8		1.71	.5	1.2	.3	.6	2.16	.2		ND	1.01	.05	5.80
Fluoride (F)	4.22	10.5	4.29	2.58	4.2	16	3.6	6.8	4.08	2.5	7.2		15	5.45	.97	16.00
Silica (SiO2)	160	9.4	89	29.6	203	111	ND	35	46.5	34.2	43.8		30.2	110.31	5.30	964.00
TDS @ 180 C.	4020	8330	4030	26800	2578	12361	2872	4910	3350	1896	4544		10971	5948.81	1290.00	26800.00
Cond (umho/cm)	5150	9550	5020	29190	3550	15800	3620	6490	4330	2953	5618		14520	7488.28	1800.00	29190.00
Alk-CaCO3	1600	3460	1700	9433	940	4900	1110	1970	1240	736	1505		3866	2518.68	540.00	9433.00
pH (units)	9.4	9.65	9	10.6	8.85	9.5		9.3	7.3	9	9.37		9.45	9.30	7.30	10.60
<b>TRACE METALS mg/l:</b>																
Aluminum (Al)	59.6	13	66	9.9	63	35.6	58.4	26.2	93.5	5.3	13		5.02	37.09	.54	250.00
Arsenic (As)	.034	.06	.028	ND	.018	.097	ND	.038	.025	.02	.06		.091	.06	.01	.16
Barium (Ba)	.22	.09	.23	.18	.26	.11	.2		.36	ND	ND		ND	.21	.09	.36
Beryllium (Be)										ND	ND		ND	ND	N/A	N/A
Boron (B)	.59	.9	.4	1.1	.33	2.3	.4	.7	1.1	.4	.51		1.41	.86	.33	2.30
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	.01	ND	.01	ND	ND		ND	.01	.01	.02
Chromium (Cr)	ND	.09	ND	.07	.19	ND	.16	.08	.12	ND	ND		ND	.12	.01	.24
Copper (Cu)	.041	.01	.04	.03	.05	.03	.09	.03	.8	.03	ND		ND	.07	.01	.80
Cyanide (CN)										ND	ND		ND	ND	N/A	N/A
Iron (Fe)	3.2	4.3	60.3	.21	52		21	17.5		4.61	8.5		4.56	16.61	.21	63.00
Lead (Pb)	.079	ND	.11	ND	.08	.06	.19	.09	.11	ND	ND		ND	.09	.00	.19
Manganese (Mn)	.48	.13	.78	.12	.84	33.3	.57	.29	1.1	.07	.15		.06	1.63	.01	33.30
Mercury (Hg)	ND	ND	ND	.0004	.0024	.069	ND	ND	ND	ND	ND		ND	.02	.00	.07
Molybdenum (Mo)	.026	.08	ND	.28	ND	.11	ND	.14	.24	ND	ND		.14	.13	.03	.28
Nickel (Ni)	.058	ND	.06		.04	.04		ND	.1	.02	.02		.02	.06	.01	.20
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	.001	.001	ND	ND		ND	.04	.00	.17
Silver (Ag)				ND					.02	ND	ND		ND	.02	.02	.02
Thallium (Tl)										ND	ND		ND	ND	N/A	N/A
Vanadium (V205)	.38	.34	.45	.38	.45	.66	.35	.49	.37	.2	.17		.22	.31	.08	.66
Zinc (ZN)	.2	.05	.11	.03	.13	.05	2.42	.23	.24	.04	.06		ND	.19	.01	2.42
<b>RADIOMETRIC pCi/l:</b>																
Uranium, Natural	53.97	74.47	49	378	29	106	21	62.68	57	17.7	19.2	29.11	117.1	59.49	3.39	378.00
Radium 226	1.5	.6	2.6	.1	5.1	2.5	3	3	4.8	ND	1.7	.5	.6	3.87	.00	33.60
Comb. Ra226/228										ND	8.7		5.1	6.90	5.10	8.70
Thorium 230	.1	.5	1.3		2.7	2.7	1.3	.1	1.7	ND	ND	ND	ND	4.39	.00	35.00
Lead (Pb210)										1.2	ND		1.9	4.18	1.20	12.00
Gross Alpha										ND	1.8		7.3	4.55	1.80	7.30
A/C Balance	.87	1.7	2.76	.21	2.93	2.8	1.66		.21	.975	.984		.967	1.46	.21	2.93

## CIRCLE BAR LAKE

## Analysis of Surface Water

ND = Non-detectable

	1974	1977	1978	1979	1980	1981	1983	1984					
(GPS)	7/18	7/29	3/20	10/16/78	7/17	11/28/79	5/30	10/9/80	5/19/81	6/30/83	11/14/83	6/20/84	11/21/84
<b>FIELD PARAMETERS:</b>													
Temperature (C)													
pH (Std. Units)													
Cond (umho/cm)													
TDS													
<b>MAJOR IONS mg/l:</b>													
Calcium (Ca)			5	23	9	14	11	6	3.2	2	1	5	11
Magnesium (Mg)			3	0	3	5	5	5		4	2	6	5
Sodium (Na)	1326	1126	1433	9689	1956	4840	1975	3925	299.7	23086	5200	1900	4490
Potassium (K)	23	13	27	8	9	7	6	5	4.9	4	3	5	4
Carbonate (CO3)			312	3420	492	1044	276	757	2060	3123	2282	396	1441
Bicarbonate (HCO3)			1354	6893	1147	2989	1196	2817	2560	2927	1037	1250	1829
Sulfate (SO4)	710	460	700	4400	1400	3259	1050	2840	473.8	2400	4480	1180	2720
Chloride (Cl)	500	875	580	3700	770	1900	650	1800	437.5	3800	1200	910	2200
Nitrate-N (NO3)		ND	2	.27	ND	.01	ND	ND	.96	ND	4.6	1.32	.22
Fluoride (F)		3.5	4.9	10.49	8.6	20.7	6.7	17.1	17.8	37.6	19	9.07	24.3
Silica (SiO2)		115	175	728	62.1	16.9	32.8	45.6	53.9	8.6	23.7	93	3.1
TDS @ 180 C.	500	3471	3041	24635	5204	12304	4172	10390	5703	8500	13806	5196	12056
Cond (umho/cm)			3700	5000	23250	5603	12412	5701	12000	18000	5500	11000	13120
Alk-CaCO3			930	1630	11347	1760	4190	1450	3571	4620	7600	4650	3900
pH (units)	6.8	9	9.4	9.6	9.7	9.6	9.5	9.4	10	9.8	9.9	10.8	9.4
<b>TRACE METALS mg/l:</b>													
Aluminum (Al)		48.2	11.8	.15	7.7	2.52	10	7.7	26	1	7.3	76.2	6.1
Arsenic (As)	.05	.04	.02	.25	.45	ND	.06	.08	.06	.05	1.45	.11	.23
Barium (Ba)	1												.05
Beryllium (Be)	.01												
Boron (B)		.8	ND	ND	ND	ND	ND	2.7	ND	2.35	1.3	1.09	1.9
Cadmium (Cd)	.01	ND	ND	ND	ND	ND	ND	ND	ND	.02	.03	ND	ND
Chromium (Cr)	.05	.06	ND	ND	ND	ND	ND	ND	ND	ND	2.36	ND	ND
Copper (Cu)		.18	.01	.03	ND	.03	ND	.02	.04	.04	.67	.055	.06
Cyanide (CN)	.005												
Iron (Fe)		83	5.43	.4	1.66	1.29	2.35	.21		.78	3.4	3.4	.19
Lead (Pb)	.5	ND	ND	ND	ND	ND	ND	ND	ND	.12	.95	.082	ND
Manganese (Mn)		.4	.04	.02	.01	.03	.01	.03	.48	.03	8	.57	.04
Mercury (Hg)	.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum (Mo)	.04	ND	ND	.08	ND	ND	ND	.16	ND	.3	.16	.044	.13
Nickel (Ni)	.01	ND	.04	.1	ND	ND	ND	ND	.5	.14	.88	.04	ND
Selenium (Se)	.01	ND	ND	ND	ND	ND	.02	.07	.07	.06	.08	ND	.004
Silver (Ag)	.05												
Thallium (Tl)	.01												
Vanadium (V2O5)		.95	.2	.8	.45	.5	ND	.45	ND	.25	3.53	1.19	1.1
Zinc (ZN)		.1	ND	ND	.01	.01	ND	.01	.48	.04	2.02	.34	.09
<b>RADIOMETRIC pCi/l:</b>													
Uranium, Natural	1.7	53.4	318.2	541.6	56.9	122	63	247.8	436.67	717.62	117.69	243.72	
Radium 226	2.8	26	.13	15	6.4	.72	.2	1.3	6.86	.6	.8	1.2	.1
Comb. Ra226/228	10	.3	.58	18	5.3	1.3	.63	.4	.008	24.3	.2	.1	.5
Thorium 230	1.4												
Lead (Pb210)	6.6												
Gross Alpha													

A/C Balance

KENNECOTT URANIUM COMPANY --- SWEETWATER URANIUM FACILITY  
 CIRCLE BAR LAKE  
 Analysis of Surface Water  
 ND = Non-detectable

	1985	1986	1987	1988	1991	1992	1993		AVERAGE	MINIMUM	MAXIMUM	
(GPS)	5/15/85	5/7/86	9/8/86	5/5/87	9/9/87	5/4/88	6/28/91	7/23/92	5/27/93	10/3/93		
<b>FIELD PARAMETERS</b>												
Temperature (C)			20.3	11.5	13	14.8						
pH (Std. Units)			9.23	9.33	9.26	9.38						
Cond (umho/cm)			7730	6470	18960	1485						
TDS			1000+	1000+	1000+	750						
<b>MAJOR IONS mg/l:</b>												
Calcium (Ca)	9	3	8	5	6	3	11.4	85.9		10	11.02	1.00 85.90
Magnesium (Mg)	4	0	3	6	5	6	13.3	84.8		3.8	8.20	.00 84.80
Sodium (Na)	4910	820	2314	2160	8050	437	637	1119		3681	3711.90	299.70 23086.00
Potassium (K)	3	2	3	2	4	5	7.3	20.7		2.3	7.31	2.00 27.00
Carbonate (CO3)	1441	120	504	360		24	56	202		337	932.35	24.00 3420.00
Bicarbonate (HCO3)	2256	610	1586	1464		415	845	581		3132	1844.40	415.00 6893.00
Sulfate (SO4)	2980	500	1200	1660	5120	490	699	458		2241	1800.90	458.00 5120.00
Chloride (Cl)	2450	367	1193	980	3500	86	30.7	293		1847	1307.36	30.70 3800.00
Nitrate-N (NO3)	3.8	.42	.5	1.3	.2	2	1.77	ND		ND	.88	.01 4.60
Fluoride (F)	25.9	5.4	13	10.1	33	1.3	4.2	5.8		24	13.75	1.30 37.60
Silica (SiO2)	99	343	95.6	1.7	22	31.3	71.3	244		12.3	103.54	1.70 728.00
TDS @ 180 C.	500	13120	2208	6816	5736	21200	1430	2068	2457	9606	7368.58	1430.00 24635.00
Cond (umho/cm)		15500	3270	9520	7320	24700	1680	3702	3009	13670	9311.68	1680.00 24700.00
Alk-CaCO3		4250	700	2140	1800	6860	380	770	755	3028	3091.86	380.00 11347.00
pH (units)	6.8	9.5	8.93	9.4	9.6	9.1	9.07	9.79		9.28	8.72	8.93 10.80
<b>TRACE METALS mg/</b>												
Aluminum (Al)	113	143	24.9	11.3	14.4	102	13.2	ND		1.69	28.55	.15 143.00
Arsenic (As)	.05	.15	.042	.14	.204	ND	.06	.07		.164	.17	.02 1.45
Barium (Ba)	1		2.2	.1		.32	ND	.74		ND	.38	.05 2.20
Beryllium (Be)	.01						ND	.02		ND	.00	.02 .02
Boron (B)	1.5	.52	1.2	.72	2.4	1.1	.7	.69		1.83	.95	.52 2.70
Cadmium (Cd)	.01	ND	ND	ND	ND	.02	ND	ND		ND	.00	.02 .03
Chromium (Cr)	.05	ND	.37	ND	.03	.12	.01	.04		ND	.13	.01 2.36
Copper (Cu)	.08	.1	.01	.06	.04	.3	.03	.15		ND	.09	.01 .67
Cyanide (CN)	.005						ND	ND		ND	.00	N/A N/A
Iron (Fe)	62.3	105		4.1	9.2		11.6	66.9		1.1	19.07	.19 105.00
Lead (Pb)	.5	.19	ND	.07	.11	.17	ND	ND			.09	.07 .95
Manganese (Mn)	1.3	1.7	13.3	.12	.14	1.1	.16	3.19		.01	1.39	.01 13.30
Mercury (Hg)	.002	ND	.0019	.068	ND	ND	ND	ND		ND	.00	.00 .07
Molybdenum (Mo)	.04	.08	ND	.07	.08	.36	.22	ND		.13	.08	.04 .36
Nickel (Ni)	.01	.07	.09	.04	.05	.1	.02	.08		ND	.10	.02 .88
Selenium (Se)	.01	ND	ND	ND	.002	.037	ND	ND		ND	.01	.00 .08
Silver (Ag)	.05						ND	ND		ND	.00	N/A N/A
Thallium (Tl)	.01						ND	ND		ND	.00	N/A N/A
Vanadium (V2O5)	1.2	1.1	1.32	.55	1.56	.52	.87	.53		.89	.82	.20 3.53
Zinc (ZN)	.19	.27	ND	.9	.17	.23	.05	.27		.02	.24	.01 2.02
<b>RADIOMETRIC pCi/</b>												
Uranium, Natural	1.7	218	48	142	153	494.2	31	36.1	19.2	50.78	258.9	189.99 19.20 717.62
Radium 226	2.8	.2	8.3	2.9	.8	3.4	1.8	1.8	22.3	1.3	ND	4.30 26.00
Comb. Ra226/228	10	.8	4.8	3.2	1.1	.1	1.3	1.8	26.8	ND	4.1	6.54 1.80 26.80
Thorium 230	1.4						ND	ND	17.1	ND	2.52	.01 24.30
Lead (Pb210)	6.6						2	23.5		6.3	3.90	6.30 17.10
Gross Alpha										6.3	6.36	2.00 23.50
A/C Balance							.986			.96	.65	.96 .99



**APPENDIX E**  
**METEOROLOGICAL CONSIDERATIONS**

**TABLE E-1**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS A  
DATA PERIOD: 1983 - 1987, ANNUAL  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Percentage of calms for A stability class = 0.0%

Period mean wind speed = 0.0 mph

Percent occurrence for A stability class: 0.0%

**TABLE E-2**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS B  
DATA PERIOD: 1983 - 1987, ANNUAL  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.37	0.00	0.00	0.00	0.00	0.00	0.37
NNE	3.72	1.86	0.00	0.00	0.00	0.00	5.59
NE	3.72	2.79	0.00	0.00	0.00	0.00	6.52
ENE	4.10	2.42	0.00	0.00	0.00	0.00	6.52
E	6.70	1.12	0.00	0.00	0.00	0.00	7.82
ESE	8.38	2.05	0.00	0.00	0.00	0.00	10.43
SE	6.33	2.42	0.00	0.00	0.00	0.00	8.75
SSE	10.43	2.05	0.00	0.00	0.00	0.00	12.48
S	8.01	3.91	0.00	0.00	0.00	0.00	11.92
SSW	4.66	1.30	0.00	0.00	0.00	0.00	5.96
SW	6.70	1.68	0.00	0.00	0.00	0.00	8.38
WSW	5.03	2.61	0.00	0.00	0.00	0.00	7.64
W	3.72	1.49	0.00	0.00	0.00	0.00	5.21
WNW	0.56	0.37	0.00	0.00	0.00	0.00	0.93
NW	0.74	0.37	0.00	0.00	0.00	0.00	1.12
NNW	0.37	0.00	0.00	0.00	0.00	0.00	0.37
ALL	73.56	26.44	0.00	0.00	0.00	0.00	100.00

Percentage of calms for B stability class = 50.5%

Period mean wind speed = 1.9 mph

Percent occurrence for B stability class: 1.6%

**TABLE E-3**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS C  
DATA PERIOD: 1983 - 1987, ANNUAL  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.71	0.05	0.00	0.00	0.00	0.00	0.75
NNE	2.17	0.98	0.16	0.00	0.00	0.00	3.31
NE	3.44	2.19	0.64	0.00	0.00	0.00	6.27
ENE	4.06	1.55	0.27	0.00	0.00	0.00	5.88
E	5.54	1.69	0.14	0.00	0.00	0.00	7.37
ESE	6.29	2.26	0.16	0.00	0.00	0.00	8.71
SE	7.96	2.76	0.34	0.00	0.00	0.00	11.06
SSE	5.52	2.69	0.71	0.00	0.00	0.00	8.92
S	6.50	4.13	1.48	0.02	0.00	0.00	12.13
SSW	5.31	3.24	1.09	0.05	0.00	0.00	9.69
SW	4.83	2.76	1.00	0.05	0.00	0.00	8.64
WSW	4.17	2.51	1.21	0.02	0.00	0.00	7.91
W	2.76	2.03	0.89	0.00	0.00	0.00	5.68
WNW	1.82	0.59	0.64	0.00	0.00	0.00	3.06
NW	0.27	0.14	0.07	0.00	0.00	0.00	0.48
NNW	0.14	0.00	0.00	0.00	0.00	0.00	0.14
ALL	61.51	29.56	8.80	0.14	0.00	0.00	100.00

Percentage of calms for C stability class = 38.2%

Period mean wind speed = 2.9 mph

Percent occurrence for C stability class: 12.7%

**TABLE E-4**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS D  
DATA PERIOD: 1983 - 1987, ANNUAL  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.08	0.03	0.06	0.01	0.10	0.03	0.31
NNE	0.12	0.51	0.67	0.79	0.52	0.21	2.82
NE	0.22	1.10	1.17	1.50	0.47	0.11	4.56
ENE	0.24	0.69	1.13	1.30	0.55	0.07	3.97
E	0.25	0.81	1.16	0.97	0.37	0.15	3.73
ESE	0.26	1.06	1.19	1.05	0.28	0.04	3.89
SE	0.30	1.23	1.53	1.78	0.47	0.06	5.37
SSE	0.16	1.15	1.69	2.52	1.08	0.33	6.92
S	0.32	1.31	2.24	2.76	1.44	0.58	8.66
SSW	0.27	1.50	2.48	3.64	2.18	0.96	11.03
SW	0.28	1.46	3.20	4.80	3.32	1.87	14.93
WSW	0.28	1.24	2.91	3.58	2.34	1.56	11.91
W	0.12	1.07	2.43	3.45	1.63	0.49	9.18
WNW	0.12	0.48	1.56	3.31	2.56	1.40	9.43
NW	0.08	0.27	0.56	0.91	0.58	0.55	2.94
NNW	0.00	0.00	0.10	0.14	0.09	0.00	0.35
ALL	3.10	13.91	24.08	32.52	17.97	8.42	100.00

Percentage of calms for D stability class = 2.0%

Period mean wind speed = 13.7 mph

Percent occurrence for D stability class: 60.4%

**TABLE E-5**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS E  
DATA PERIOD: 1983 - 1987, ANNUAL  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.16	0.41	0.20	0.00	0.00	0.77
NNE	0.00	1.50	3.77	0.81	0.00	0.00	6.09
NE	0.00	1.95	4.59	1.01	0.00	0.00	7.55
ENE	0.00	0.97	2.84	0.73	0.00	0.00	4.55
E	0.00	1.42	3.49	0.53	0.00	0.00	5.44
ESE	0.00	1.75	4.10	0.37	0.00	0.00	6.21
SE	0.00	1.26	5.44	1.30	0.00	0.00	8.00
SSE	0.00	1.50	4.22	0.93	0.00	0.00	6.66
S	0.00	2.27	4.50	1.26	0.00	0.00	8.04
SSW	0.00	1.99	6.90	1.38	0.00	0.00	10.27
SW	0.00	2.44	7.75	1.99	0.00	0.00	12.18
WSW	0.00	1.70	6.82	1.50	0.00	0.00	10.02
W	0.00	1.75	3.90	0.65	0.00	0.00	6.29
WNW	0.00	1.14	3.13	1.18	0.00	0.00	5.44
NW	0.00	0.53	1.42	0.32	0.00	0.00	2.27
NNW	0.00	0.00	0.16	0.08	0.00	0.00	0.24
ALL	0.00	22.32	63.43	14.25	0.00	0.00	100.00

Percentage of calms for E stability class = 0.0%

Period mean wind speed = 8.5 mph

Percent occurrence for E stability class: 7.1%

**TABLE E-6**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS F  
DATA PERIOD: 1983 - 1987, ANNUAL  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.94	0.46	0.13	0.00	0.00	0.00	1.53
NNE	2.15	2.88	0.89	0.00	0.00	0.00	5.91
NE	3.00	4.50	0.76	0.00	0.00	0.00	8.26
ENE	3.18	2.48	0.51	0.00	0.00	0.00	6.17
E	3.91	1.86	0.75	0.00	0.00	0.00	6.52
ESE	5.28	3.72	1.02	0.00	0.00	0.00	10.01
SE	4.23	3.48	0.78	0.00	0.00	0.00	8.49
SSE	4.12	2.43	0.72	0.00	0.00	0.00	7.26
S	4.66	3.37	1.03	0.00	0.00	0.00	9.06
SSW	3.96	3.42	1.24	0.00	0.00	0.00	8.61
SW	3.83	4.28	1.02	0.00	0.00	0.00	9.12
WSW	3.51	3.43	0.92	0.00	0.00	0.00	7.87
W	2.81	2.57	0.67	0.00	0.00	0.00	6.06
WNW	1.32	1.72	0.64	0.00	0.00	0.00	3.67
NW	0.59	0.46	0.30	0.00	0.00	0.00	1.35
NNW	0.10	0.02	0.00	0.00	0.00	0.00	0.11
ALL	47.57	41.07	11.36	0.00	0.00	0.00	100.00

Percentage of calms for F stability class = 30.4%

Period mean wind speed = 3.4 mph

Percent occurrence for F stability class: 18.2%

**TABLE E-7**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS ALL  
DATA PERIOD: 1983 - 1987, ANNUAL  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.32	0.12	0.09	0.02	0.06	0.02	0.62
NNE	0.80	1.09	0.85	0.54	0.31	0.13	3.72
NE	1.18	1.94	1.25	0.98	0.28	0.06	5.70
ENE	1.30	1.17	1.01	0.84	0.33	0.04	4.69
E	1.67	1.16	1.11	0.63	0.23	0.09	4.88
ESE	2.05	1.76	1.22	0.66	0.17	0.02	5.88
SE	2.06	1.86	1.50	1.17	0.28	0.04	6.90
SSE	1.71	1.62	1.54	1.59	0.65	0.20	7.30
S	1.99	2.15	2.05	1.76	0.87	0.35	9.18
SSW	1.63	2.10	2.35	2.30	1.31	0.58	10.28
SW	1.58	2.21	2.80	3.05	2.00	1.13	12.78
WSW	1.42	1.85	2.57	2.27	1.41	0.94	10.46
W	0.99	1.52	1.98	2.13	0.98	0.30	7.90
WNW	0.55	0.77	1.36	2.08	1.55	0.85	7.15
NW	0.20	0.31	0.50	0.57	0.35	0.33	2.26
NNW	0.04	0.01	0.07	0.09	0.05	0.00	0.27
ALL	19.49	21.64	22.26	20.68	10.85	5.09	100.00

Percentage of calms for ALL stability classes = 12.4%

Period mean wind speed = 9.9 mph

Percent occurrence for ALL stability classes 100.0%





**TABLE E-8**

**FREQUENCY OF WINDS BY STABILITY CLASS  
DATA PERIOD: 1983 - 1987, ANNUAL  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	STABILITY CATEGORY						
	A	B	C	D	E	F	ALL
N	0.00	0.01	0.10	0.19	0.06	0.28	0.62
NNE	0.00	0.09	0.42	1.71	0.43	1.08	3.72
NE	0.00	0.10	0.80	2.75	0.54	1.51	5.70
ENE	0.00	0.10	0.75	2.40	0.32	1.12	4.69
E	0.00	0.12	0.94	2.25	0.39	1.19	4.88
ESE	0.00	0.16	1.11	2.35	0.44	1.82	5.88
SE	0.00	0.14	1.40	3.25	0.57	1.55	6.90
SSE	0.00	0.19	1.13	4.18	0.47	1.32	7.30
S	0.00	0.19	1.54	5.23	0.57	1.65	9.18
SSW	0.00	0.09	1.23	6.66	0.73	1.57	10.28
SW	0.00	0.13	1.10	9.02	0.87	1.66	12.78
WSW	0.00	0.12	1.00	7.19	0.72	1.43	10.46
W	0.00	0.08	0.72	5.54	0.45	1.10	7.90
WNW	0.00	0.01	0.39	5.70	0.39	0.67	7.15
NW	0.00	0.02	0.06	1.78	0.16	0.25	2.26
NNW	0.00	0.01	0.02	0.21	0.02	0.02	0.27
ALL	0.00	1.55	12.70	60.40	7.13	18.22	100.00

**TABLE E-9**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS A  
Data Period: 1983 - 1987, First Quarter  
Sweetwater Uranium Facility**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Percentage of calms for A stability class = 0.0%  
 Period mean wind speed = 0.0 mph  
 Percent occurrence for A stability class: 0.0%

**TABLE E-10**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS B  
DATA PERIOD: 1983 - 1987, FIRST QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.67	0.00	0.00	0.00	0.00	0.00	0.67
NNE	2.36	1.35	0.00	0.00	0.00	0.00	3.70
NE	3.37	2.02	0.00	0.00	0.00	0.00	5.39
ENE	4.04	2.02	0.00	0.00	0.00	0.00	6.06
E	6.40	0.67	0.00	0.00	0.00	0.00	7.07
ESE	8.42	1.01	0.00	0.00	0.00	0.00	9.43
SE	5.05	2.69	0.00	0.00	0.00	0.00	7.74
SSE	11.11	1.35	0.00	0.00	0.00	0.00	12.46
S	9.09	3.03	0.00	0.00	0.00	0.00	12.12
SSW	5.72	1.68	0.00	0.00	0.00	0.00	7.41
SW	8.08	1.68	0.00	0.00	0.00	0.00	9.76
WSW	5.39	4.38	0.00	0.00	0.00	0.00	9.76
W	4.71	1.68	0.00	0.00	0.00	0.00	6.40
WNW	0.67	0.00	0.00	0.00	0.00	0.00	0.67
NW	1.35	0.00	0.00	0.00	0.00	0.00	1.35
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	76.43	23.57	0.00	0.00	0.00	0.00	100.00

Percentage of calms for B stability class = 51.2%

Period mean wind speed = 1.9 mph

Percent occurrence for B stability class: 3.0%

**TABLE E-11**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS C  
DATA PERIOD: 1983 - 1987, FIRST QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.39	0.00	0.00	0.00	0.00	0.00	0.39
NNE	2.12	0.48	0.39	0.00	0.00	0.00	2.99
NE	3.08	2.50	2.02	0.00	0.00	0.00	7.61
ENE	4.05	1.73	1.16	0.00	0.00	0.00	6.94
E	4.62	1.06	0.48	0.00	0.00	0.00	6.17
ESE	6.07	1.25	0.29	0.00	0.00	0.00	7.61
SE	6.45	1.54	0.87	0.00	0.00	0.00	8.86
SSE	4.62	1.45	1.64	0.00	0.00	0.00	7.71
S	5.01	2.99	2.12	0.10	0.00	0.00	10.21
SSW	5.11	2.60	2.70	0.19	0.00	0.00	10.60
SW	4.53	1.93	2.31	0.10	0.00	0.00	8.86
WSW	4.53	2.60	3.66	0.00	0.00	0.00	10.79
W	1.73	2.41	2.41	0.00	0.00	0.00	6.55
WNW	2.12	0.87	1.45	0.00	0.00	0.00	4.43
NW	0.00	0.00	0.19	0.00	0.00	0.00	0.19
NNW	0.10	0.00	0.00	0.00	0.00	0.00	0.10
ALL	54.53	23.41	21.68	0.39	0.00	0.00	100.00

Percentage of calms for C stability class = 39.1%

Period mean wind speed = 3.6 mph

Percent occurrence for C stability class: 10.6%



**TABLE E-12**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS D  
DATA PERIOD: 1983 - 1987, FIRST QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.24	0.06	0.02	0.02	0.00	0.02	0.36
NNE	0.32	0.64	0.58	1.10	0.51	0.17	3.31
NE	0.62	0.90	1.10	1.67	0.52	0.11	4.92
ENE	0.41	0.49	1.09	1.48	1.22	0.15	4.83
E	0.32	0.51	0.92	1.35	0.64	0.45	4.17
ESE	0.43	0.65	0.79	1.24	0.28	0.06	3.44
SE	0.49	0.64	0.65	1.40	0.51	0.09	3.78
SSE	0.22	0.73	0.95	3.22	1.65	0.54	7.32
S	0.36	0.69	1.87	3.20	1.61	0.51	8.23
SSW	0.28	0.84	1.50	4.25	2.86	1.27	11.00
SW	0.52	0.95	2.17	5.30	3.18	2.25	14.37
WSW	0.39	1.10	2.40	3.76	2.06	1.50	11.21
W	0.28	1.05	1.74	3.29	1.67	0.51	8.53
WNW	0.36	0.51	1.24	3.03	2.25	1.82	9.19
NW	0.17	0.37	0.71	1.27	0.92	0.92	4.36
NNW	0.02	0.00	0.24	0.43	0.26	0.02	0.97
ALL	5.43	10.12	17.96	36.00	20.12	10.37	100.00

Percentage of calms for D stability class = 3.6%

Period mean wind speed = 14.6 mph

Percent occurrence for D stability class: 54.6%

**TABLE E-13**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS E  
DATA PERIOD: 1983 - 1987, FIRST QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.27	0.67	0.54	0.00	0.00	1.47
NNE	0.00	1.07	2.68	0.54	0.00	0.00	4.28
NE	0.00	2.95	2.41	0.54	0.00	0.00	5.89
ENE	0.00	0.94	3.48	0.94	0.00	0.00	5.35
E	0.00	1.20	2.28	0.40	0.00	0.00	3.88
ESE	0.00	1.34	2.41	0.13	0.00	0.00	3.88
SE	0.00	1.47	4.42	0.94	0.00	0.00	6.83
SSE	0.00	0.80	4.15	0.94	0.00	0.00	5.89
S	0.00	1.87	5.62	1.74	0.00	0.00	9.24
SSW	0.00	1.74	7.50	1.74	0.00	0.00	10.98
SW	0.00	3.08	8.30	2.28	0.00	0.00	13.65
WSW	0.00	2.14	9.10	1.74	0.00	0.00	12.99
W	0.00	2.14	3.75	0.94	0.00	0.00	6.83
WNW	0.00	2.14	2.54	1.47	0.00	0.00	6.16
NW	0.00	0.94	1.07	0.27	0.00	0.00	2.28
NNW	0.00	0.00	0.40	0.00	0.00	0.00	0.40
ALL	0.00	24.10	60.78	15.13	0.00	0.00	100.00

Percentage of calms for E stability class = 0.0%

Period mean wind speed = 8.5 mph

Percent occurrence for E stability class: 7.6%



**TABLE E-14**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS F  
DATA PERIOD: 1983 - 1987, FIRST QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	1.35	0.68	0.21	0.00	0.00	0.00	2.24
NNE	2.92	2.66	0.72	0.00	0.00	0.00	6.30
NE	3.55	4.61	0.51	0.00	0.00	0.00	8.67
ENE	3.85	2.75	0.51	0.00	0.00	0.00	7.11
E	5.63	1.48	0.47	0.00	0.00	0.00	7.57
ESE	7.40	3.64	0.47	0.00	0.00	0.00	11.51
SE	5.03	3.09	0.59	0.00	0.00	0.00	8.71
SSE	4.57	1.86	0.80	0.00	0.00	0.00	7.23
S	4.99	2.20	0.72	0.00	0.00	0.00	7.91
SSW	3.93	2.12	0.80	0.00	0.00	0.00	6.85
SW	4.06	3.55	0.93	0.00	0.00	0.00	8.54
WSW	3.21	2.58	0.72	0.00	0.00	0.00	6.51
W	2.88	2.20	0.55	0.00	0.00	0.00	5.63
WNW	1.40	1.40	1.02	0.00	0.00	0.00	3.81
NW	0.68	0.34	0.25	0.00	0.00	0.00	1.27
NNW	0.13	0.00	0.00	0.00	0.00	0.00	0.13
ALL	55.58	35.15	9.26	0.00	0.00	0.00	100.00

Percentage of calms for F stability class = 38.0%

Period mean wind speed = 3.0 mph

Percent occurrence for F stability class: 24.1%

**TABLE E-15**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS ALL  
DATA PERIOD: 1983 - 1987, FIRST QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.52	0.21	0.11	0.05	0.00	0.01	0.91
NNE	1.17	1.16	0.74	0.64	0.28	0.09	4.09
NE	1.62	2.16	1.12	0.95	0.29	0.06	6.20
ENE	1.71	1.25	1.10	0.88	0.66	0.08	5.68
E	2.22	0.86	0.84	0.77	0.35	0.25	5.27
ESE	2.92	1.50	0.76	0.68	0.15	0.03	6.05
SE	2.32	1.45	0.93	0.84	0.28	0.05	5.86
SSE	2.05	1.10	1.21	1.83	0.90	0.30	7.39
S	2.21	1.46	1.85	1.89	0.88	0.28	8.56
SSW	1.82	1.43	1.87	2.47	1.56	0.69	9.85
SW	1.99	1.87	2.29	3.07	1.74	1.23	12.19
WSW	1.63	1.80	2.56	2.19	1.12	0.82	10.12
W	1.17	1.57	1.62	1.87	0.91	0.28	7.43
WNW	0.78	0.87	1.27	1.77	1.23	0.99	6.89
NW	0.30	0.36	0.55	0.72	0.50	0.50	2.92
NNW	0.05	0.00	0.16	0.23	0.14	0.01	0.60
ALL	24.48	19.05	18.98	20.85	10.98	5.66	100.00

Percentage of calms for ALL stability classes = 16.9%

Period mean wind speed = 9.8 mph

Percent occurrence for ALL stability classes 100.0%





**TABLE E-16**

**FREQUENCY OF WINDS BY STABILITY CLASS  
DATA PERIOD: 1983 - 1987, FIRST QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	STABILITY CATEGORY						
	A	B	C	D	E	F	ALL
N	0.00	0.02	0.04	0.19	0.11	0.54	0.91
NNE	0.00	0.11	0.32	1.81	0.33	1.52	4.09
NE	0.00	0.16	0.81	2.69	0.45	2.09	6.20
ENE	0.00	0.18	0.74	2.64	0.41	1.72	5.68
E	0.00	0.21	0.65	2.28	0.30	1.83	5.27
ESE	0.00	0.29	0.81	1.88	0.30	2.78	6.05
SE	0.00	0.23	0.94	2.06	0.52	2.10	5.86
SSE	0.00	0.38	0.82	3.99	0.45	1.75	7.39
S	0.00	0.37	1.08	4.49	0.70	1.91	8.56
SSW	0.00	0.22	1.12	6.01	0.84	1.65	9.85
SW	0.00	0.30	0.94	7.84	1.04	2.06	12.19
WSW	0.00	0.30	1.14	6.12	0.99	1.57	10.12
W	0.00	0.19	0.69	4.66	0.52	1.36	7.43
WNW	0.00	0.02	0.47	5.02	0.47	0.92	6.89
NW	0.00	0.04	0.02	2.38	0.17	0.31	2.92
NNW	0.00	0.00	0.01	0.53	0.03	0.03	0.60
ALL	0.00	3.03	10.60	54.59	7.63	24.15	100.00

**TABLE E-17**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS A  
DATA PERIOD: 1983 - 1987, SECOND QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Percentage of calms for A stability class = 0.0%

Period mean wind speed = 0.0 mph

Percent occurrence for A stability class: 0.0%

**TABLE E-18**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS B  
DATA PERIOD: 1983 - 1987, SECOND QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Percentage of calms for B stability class = 0.0%

Period mean wind speed = 0.0 mph

Percent occurrence for B stability class: 0.0%

**TABLE E-19**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS C  
DATA PERIOD: 1983 - 1987, SECOND QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.91	0.17	0.00	0.00	0.00	0.00	1.07
NNE	1.98	1.07	0.00	0.00	0.00	0.00	3.06
NE	3.39	1.90	0.00	0.00	0.00	0.00	5.29
ENE	4.38	1.82	0.00	0.00	0.00	0.00	6.20
E	6.12	2.40	0.00	0.00	0.00	0.00	8.51
ESE	6.45	2.98	0.00	0.00	0.00	0.00	9.42
SE	9.26	3.55	0.00	0.00	0.00	0.00	12.81
SSE	5.62	2.81	0.00	0.00	0.00	0.00	8.43
S	8.18	3.72	0.00	0.00	0.00	0.00	11.90
SSW	5.54	3.31	0.00	0.00	0.00	0.00	8.84
SW	5.87	3.64	0.00	0.00	0.00	0.00	9.50
WSW	4.71	2.89	0.00	0.00	0.00	0.00	7.60
W	2.56	2.23	0.00	0.00	0.00	0.00	4.79
WNW	1.24	0.50	0.00	0.00	0.00	0.00	1.74
NW	0.25	0.33	0.00	0.00	0.00	0.00	0.58
NNW	0.25	0.00	0.00	0.00	0.00	0.00	0.25
ALL	66.69	33.31	0.00	0.00	0.00	0.00	100.00

Percentage of calms for C stability class = 36.6%

Period mean wind speed = 2.3 mph

Percent occurrence for C stability class: 11.8%



**TABLE E-20**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS D  
DATA PERIOD: 1983 - 1987, SECOND QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.04	0.04	0.11	0.03	0.28	0.07	0.57
NNE	0.01	0.29	0.66	0.94	0.97	0.28	3.15
NE	0.07	1.06	1.15	1.88	0.69	0.10	4.94
ENE	0.11	0.73	1.37	1.54	0.41	0.07	4.23
E	0.14	0.90	1.51	0.81	0.17	0.03	3.56
ESE	0.13	1.16	1.53	1.30	0.28	0.06	4.45
SE	0.06	1.25	1.92	2.06	0.28	0.08	5.64
SSE	0.04	1.40	1.67	1.34	0.69	0.20	5.34
S	0.20	1.41	1.93	1.89	0.81	0.57	6.82
SSW	0.15	1.57	2.58	2.89	1.29	0.50	8.98
SW	0.11	1.68	4.19	5.04	3.61	1.68	16.32
WSW	0.21	1.47	3.18	3.56	2.93	2.20	13.54
W	0.04	1.20	2.55	3.24	1.39	0.39	8.81
WNW	0.03	0.50	1.89	3.36	3.28	1.39	10.45
NW	0.10	0.29	0.63	0.92	0.52	0.55	3.01
NNW	0.00	0.01	0.07	0.06	0.04	0.00	0.18
ALL	1.44	14.99	26.93	30.85	17.62	8.17	100.00

Percentage of calms for D stability class = 0.8%

Period mean wind speed = 13.6 mph

Percent occurrence for D stability class: 69.5%

**TABLE E-21**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS E  
DATA PERIOD: 1983 - 1987, SECOND QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.29	0.44	0.00	0.00	0.00	0.73
NNE	0.00	1.31	6.28	1.02	0.00	0.00	8.61
NE	0.00	0.73	7.45	1.75	0.00	0.00	9.93
ENE	0.00	1.46	3.50	0.88	0.00	0.00	5.84
E	0.00	1.75	4.53	0.73	0.00	0.00	7.01
ESE	0.00	1.75	6.28	0.88	0.00	0.00	8.91
SE	0.00	0.88	7.01	2.92	0.00	0.00	10.80
SSE	0.00	1.46	2.19	0.73	0.00	0.00	4.38
S	0.00	1.61	2.63	0.58	0.00	0.00	4.82
SSW	0.00	1.17	4.53	0.29	0.00	0.00	5.99
SW	0.00	1.75	7.15	1.75	0.00	0.00	10.66
WSW	0.00	1.46	4.96	1.17	0.00	0.00	7.59
W	0.00	1.61	3.94	0.29	0.00	0.00	5.84
WNW	0.00	0.73	3.36	0.88	0.00	0.00	4.96
NW	0.00	0.73	2.63	0.15	0.00	0.00	3.50
NNW	0.00	0.00	0.15	0.29	0.00	0.00	0.44
ALL	0.00	18.69	67.01	14.31	0.00	0.00	100.00

Percentage of calms for E stability class = 0.0%

Period mean wind speed = 8.7 mph

Percent occurrence for E stability class: 6.7%



**TABLE E-22**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS F  
DATA PERIOD: 1983 - 1987, SECOND QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.57	0.08	0.16	0.00	0.00	0.00	0.81
NNE	0.73	2.36	1.14	0.00	0.00	0.00	4.22
NE	2.11	5.52	1.22	0.00	0.00	0.00	8.85
ENE	1.95	2.76	0.65	0.00	0.00	0.00	5.36
E	2.11	2.36	1.22	0.00	0.00	0.00	5.69
ESE	4.14	5.36	1.62	0.00	0.00	0.00	11.13
SE	3.57	4.14	1.38	0.00	0.00	0.00	9.10
SSE	3.49	2.92	0.73	0.00	0.00	0.00	7.15
S	3.09	3.98	0.97	0.00	0.00	0.00	8.04
SSW	3.49	3.17	2.11	0.00	0.00	0.00	8.77
SW	3.01	5.04	0.73	0.00	0.00	0.00	8.77
WSW	2.36	4.79	1.71	0.00	0.00	0.00	8.85
W	3.01	3.01	0.65	0.00	0.00	0.00	6.66
WNW	0.89	3.25	0.65	0.00	0.00	0.00	4.79
NW	0.57	0.65	0.41	0.00	0.00	0.00	1.62
NNW	0.08	0.08	0.00	0.00	0.00	0.00	0.16
ALL	35.17	49.47	15.35	0.00	0.00	0.00	100.00

Percentage of calms for F stability class = 19.3%

Period mean wind speed = 4.1 mph

Percent occurrence for F stability class: 12.0%

**TABLE E-23**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS ALL  
DATA PERIOD: 1983 - 1987, SECOND QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.21	0.08	0.13	0.02	0.19	0.05	0.68
NNE	0.33	0.70	1.01	0.72	0.67	0.19	3.63
NE	0.70	1.68	1.44	1.42	0.48	0.07	5.79
ENE	0.83	1.15	1.27	1.13	0.28	0.05	4.70
E	1.07	1.31	1.50	0.61	0.12	0.02	4.63
ESE	1.34	1.92	1.68	0.96	0.19	0.04	6.14
SE	1.56	1.84	1.97	1.63	0.19	0.06	7.25
SSE	1.11	1.75	1.39	0.98	0.48	0.14	5.85
S	1.47	2.01	1.64	1.35	0.56	0.40	7.43
SSW	1.18	1.94	2.35	2.03	0.90	0.35	8.74
SW	1.13	2.32	3.48	3.62	2.51	1.17	14.23
WSW	0.98	2.04	2.75	2.55	2.04	1.53	11.88
W	0.69	1.57	2.11	2.27	0.96	0.27	7.88
WNW	0.27	0.85	1.62	2.40	2.28	0.96	8.38
NW	0.17	0.37	0.66	0.65	0.36	0.38	2.59
NNW	0.05	0.02	0.06	0.06	0.03	0.00	0.21
ALL	13.09	21.53	25.04	22.41	12.25	5.69	100.00

Percentage of calms for ALL stability classes = 7.2%

Period mean wind speed = 10.8 mph

Percent occurrence for ALL stability classes 100.0%



**TABLE E-24**

**FREQUENCY OF WINDS BY STABILITY CLASS  
DATA PERIOD: 1983 - 1987, SECOND QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	STABILITY CATEGORY						
	A	B	C	D	E	F	ALL
N	0.00	0.00	0.13	0.40	0.05	0.10	0.68
NNE	0.00	0.00	0.36	2.19	0.57	0.51	3.63
NE	0.00	0.00	0.62	3.44	0.66	1.06	5.79
ENE	0.00	0.00	0.73	2.94	0.39	0.64	4.70
E	0.00	0.00	1.00	2.47	0.47	0.68	4.63
ESE	0.00	0.00	1.11	3.10	0.59	1.33	6.14
SE	0.00	0.00	1.51	3.93	0.72	1.09	7.25
SSE	0.00	0.00	0.99	3.71	0.29	0.86	5.85
S	0.00	0.00	1.40	4.74	0.32	0.96	7.43
SSW	0.00	0.00	1.04	6.24	0.40	1.05	8.74
SW	0.00	0.00	1.12	11.35	0.71	1.05	14.23
WSW	0.00	0.00	0.90	9.42	0.51	1.06	11.88
W	0.00	0.00	0.56	6.13	0.39	0.80	7.88
WNW	0.00	0.00	0.20	7.27	0.33	0.57	8.38
NW	0.00	0.00	0.07	2.09	0.23	0.19	2.59
NNW	0.00	0.00	0.03	0.13	0.03	0.02	0.21
ALL	0.00	0.00	11.79	69.54	6.67	11.99	100.00



**TABLE E-25**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS A  
DATA PERIOD: 1983 - 1987, THIRD QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Percentage of calms for A stability class = 0.0%

Period mean wind speed = 0.0 mph

Percent occurrence for A stability class: 0.0%

**TABLE E-26**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS B  
DATA PERIOD: 1983 - 1987, THIRD QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	9.68	4.84	0.00	0.00	0.00	0.00	14.52
NE	4.84	4.84	0.00	0.00	0.00	0.00	9.68
ENE	1.61	0.00	0.00	0.00	0.00	0.00	1.61
E	6.45	4.84	0.00	0.00	0.00	0.00	11.29
ESE	8.06	4.84	0.00	0.00	0.00	0.00	12.90
SE	4.84	0.00	0.00	0.00	0.00	0.00	4.84
SSE	11.29	3.23	0.00	0.00	0.00	0.00	14.52
S	8.06	3.23	0.00	0.00	0.00	0.00	11.29
SSW	0.00	1.61	0.00	0.00	0.00	0.00	1.61
SW	6.45	0.00	0.00	0.00	0.00	0.00	6.45
WSW	4.84	0.00	0.00	0.00	0.00	0.00	4.84
W	1.61	3.23	0.00	0.00	0.00	0.00	4.84
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNW	1.61	0.00	0.00	0.00	0.00	0.00	1.61
ALL	69.35	30.65	0.00	0.00	0.00	0.00	100.00

Percentage of calms for B stability class = 50.0%

Period mean wind speed = 2.0 mph

Percent occurrence for B stability class: 0.6%

**TABLE E-27**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS C  
DATA PERIOD: 1983 - 1987, THIRD QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.93	0.00	0.00	0.00	0.00	0.00	0.93
NNE	2.75	1.11	0.00	0.00	0.00	0.00	3.86
NE	3.86	2.10	0.12	0.00	0.00	0.00	6.07
ENE	4.32	1.05	0.00	0.00	0.00	0.00	5.37
E	6.02	1.58	0.06	0.00	0.00	0.00	7.65
ESE	7.18	2.51	0.06	0.00	0.00	0.00	9.75
SE	8.82	3.45	0.00	0.00	0.00	0.00	12.27
SSE	6.43	3.10	0.06	0.00	0.00	0.00	9.58
S	7.24	4.21	0.47	0.00	0.00	0.00	11.92
SSW	5.55	3.39	0.29	0.00	0.00	0.00	9.23
SW	4.96	2.75	0.23	0.00	0.00	0.00	7.94
WSW	4.26	2.16	0.06	0.00	0.00	0.00	6.48
W	3.74	1.58	0.18	0.00	0.00	0.00	5.49
WNW	2.10	0.58	0.00	0.00	0.00	0.00	2.69
NW	0.47	0.12	0.06	0.00	0.00	0.00	0.64
NNW	0.12	0.00	0.00	0.00	0.00	0.00	0.12
ALL	68.75	29.67	1.58	0.00	0.00	0.00	100.00

Percentage of calms for C stability class = 42.8%

Period mean wind speed = 2.3 mph

Percent occurrence for C stability class: 17.0%

**TABLE E-28**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS D  
DATA PERIOD: 1983 - 1987, THIRD QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.05	0.00	0.00	0.00	0.05
NNE	0.03	0.64	0.72	0.47	0.07	0.00	1.93
NE	0.07	1.32	1.49	1.21	0.23	0.07	4.39
ENE	0.22	0.87	1.19	1.12	0.20	0.02	3.62
E	0.28	1.11	1.32	1.12	0.44	0.03	4.30
ESE	0.23	1.44	1.39	0.87	0.32	0.02	4.27
SE	0.40	1.88	1.83	1.76	0.39	0.03	6.28
SSE	0.13	1.34	1.86	1.84	0.62	0.25	6.05
S	0.27	1.79	2.61	1.76	0.97	0.47	7.87
SSW	0.34	2.06	3.35	3.52	1.56	0.50	11.32
SW	0.22	1.83	3.27	4.19	3.20	1.76	14.46
WSW	0.20	1.36	3.62	3.77	2.35	1.27	12.56
W	0.05	1.21	3.25	3.85	1.46	0.65	10.47
WNW	0.03	0.52	1.84	4.02	2.41	1.24	10.07
NW	0.00	0.22	0.49	0.70	0.49	0.39	2.28
NNW	0.00	0.00	0.03	0.03	0.02	0.00	0.08
ALL	2.48	17.57	28.31	30.23	14.71	6.70	100.00

Percentage of calms for D stability class = 1.8%

Period mean wind speed = 12.7 mph

Percent occurrence for D stability class: 59.2%

**TABLE E-29**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS E  
DATA PERIOD: 1983 - 1987, THIRD QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.31	0.16	0.00	0.00	0.47
NNE	0.00	1.10	3.45	1.41	0.00	0.00	5.97
NE	0.00	1.41	5.18	1.26	0.00	0.00	7.85
ENE	0.00	0.47	2.51	0.78	0.00	0.00	3.77
E	0.00	1.26	5.18	0.78	0.00	0.00	7.22
ESE	0.00	2.67	5.97	0.31	0.00	0.00	8.95
SE	0.00	0.94	7.06	0.47	0.00	0.00	8.48
SSE	0.00	1.10	5.02	0.78	0.00	0.00	6.91
S	0.00	2.35	4.71	1.26	0.00	0.00	8.32
SSW	0.00	1.41	6.44	1.26	0.00	0.00	9.11
SW	0.00	1.88	8.01	1.73	0.00	0.00	11.62
WSW	0.00	1.41	4.24	1.57	0.00	0.00	7.22
W	0.00	1.88	3.92	0.94	0.00	0.00	6.75
WNW	0.00	0.78	3.14	1.41	0.00	0.00	5.34
NW	0.00	0.16	1.26	0.63	0.00	0.00	2.04
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	0.00	18.84	66.41	14.76	0.00	0.00	100.00

Percentage of calms for E stability class = 0.0%

Period mean wind speed = 8.6 mph

Percent occurrence for E stability class: 6.3%



**TABLE E-30**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS F  
DATA PERIOD: 1983 - 1987, THIRD QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.76	0.47	0.06	0.00	0.00	0.00	1.29
NNE	1.35	3.64	1.18	0.00	0.00	0.00	6.17
NE	2.47	3.94	1.00	0.00	0.00	0.00	7.40
ENE	2.29	2.29	0.65	0.00	0.00	0.00	5.23
E	2.70	2.00	1.18	0.00	0.00	0.00	5.88
ESE	4.23	3.47	1.94	0.00	0.00	0.00	9.64
SE	4.29	4.47	0.94	0.00	0.00	0.00	9.69
SSE	3.64	2.94	0.65	0.00	0.00	0.00	7.23
S	4.58	3.88	1.06	0.00	0.00	0.00	9.52
SSW	3.35	4.05	1.00	0.00	0.00	0.00	8.40
SW	3.47	4.35	1.23	0.00	0.00	0.00	9.05
WSW	4.05	3.64	0.47	0.00	0.00	0.00	8.17
W	3.11	2.88	0.76	0.00	0.00	0.00	6.76
WNW	1.70	1.76	0.24	0.00	0.00	0.00	3.70
NW	0.59	0.71	0.47	0.00	0.00	0.00	1.76
NNW	0.12	0.00	0.00	0.00	0.00	0.00	0.12
ALL	42.71	44.48	12.81	0.00	0.00	0.00	100.00

Percentage of calms for F stability class = 25.9%

Period mean wind speed = 3.6 mph

Percent occurrence for F stability class: 16.9%



**TABLE E-31**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS ALL  
DATA PERIOD: 1983 - 1987, THIRD QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.29	0.08	0.06	0.01	0.00	0.00	0.44
NNE	0.77	1.28	0.84	0.37	0.04	0.00	3.30
NE	1.14	1.92	1.40	0.79	0.14	0.04	5.43
ENE	1.26	1.11	0.97	0.71	0.12	0.01	4.19
E	1.69	1.37	1.32	0.71	0.26	0.02	5.37
ESE	2.12	2.06	1.54	0.54	0.19	0.01	6.46
SE	2.49	2.51	1.69	1.07	0.23	0.02	8.00
SSE	1.85	1.90	1.54	1.14	0.37	0.15	6.95
S	2.21	2.60	2.10	1.12	0.58	0.28	8.89
SSW	1.71	2.58	2.61	2.16	0.92	0.30	10.27
SW	1.60	2.40	2.69	2.59	1.89	1.04	12.21
WSW	1.56	1.87	2.50	2.33	1.39	0.75	10.40
W	1.20	1.61	2.33	2.34	0.86	0.39	8.73
WNW	0.66	0.75	1.33	2.47	1.43	0.73	7.38
NW	0.18	0.28	0.46	0.46	0.29	0.23	1.88
NNW	0.05	0.00	0.02	0.02	0.01	0.00	0.10
ALL	20.78	24.33	23.39	18.83	8.71	3.97	100.00

Percentage of calms for ALL stability classes = 13.0%

Period mean wind speed = 9.1 mph

Percent occurrence for ALL stability classes 100.0%





**TABLE E-32**

**FREQUENCY OF WINDS BY STABILITY CLASS  
DATA PERIOD: 1983 - 1987, THIRD QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	STABILITY CATEGORY						
	A	B	C	D	E	F	ALL
N	0.00	0.00	0.16	0.03	0.03	0.22	0.44
NNE	0.00	0.09	0.65	1.14	0.38	1.04	3.30
NE	0.00	0.06	1.03	2.60	0.50	1.25	5.43
ENE	0.00	0.01	0.91	2.14	0.24	0.88	4.19
E	0.00	0.07	1.30	2.55	0.46	0.99	5.37
ESE	0.00	0.08	1.66	2.53	0.57	1.63	6.46
SE	0.00	0.03	2.08	3.72	0.54	1.64	8.00
SSE	0.00	0.09	1.63	3.58	0.44	1.22	6.95
S	0.00	0.07	2.02	4.66	0.53	1.61	8.89
SSW	0.00	0.01	1.57	6.70	0.58	1.42	10.27
SW	0.00	0.04	1.35	8.56	0.73	1.53	12.21
WSW	0.00	0.03	1.10	7.44	0.46	1.38	10.40
W	0.00	0.03	0.93	6.20	0.43	1.14	8.73
WNW	0.00	0.00	0.46	5.96	0.34	0.62	7.38
NW	0.00	0.00	0.11	1.35	0.13	0.30	1.88
NNW	0.00	0.01	0.02	0.05	0.00	0.02	0.10
ALL	0.00	0.61	16.98	59.21	6.32	16.88	100.00

**TABLE E-33**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS A  
DATA PERIOD: 1983 - 1987, FOURTH QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ESE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WSW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
W	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Percentage of calms for A stability class = 0.0%

Period mean wind speed = 0.0 mph

Percent occurrence for A stability class: 0.0%



**TABLE E-34**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS B  
DATA PERIOD: 1983 - 1987, FOURTH QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	3.93	1.69	0.00	0.00	0.00	0.00	5.62
NE	3.93	3.37	0.00	0.00	0.00	0.00	7.30
ENE	5.06	3.93	0.00	0.00	0.00	0.00	8.99
E	7.30	0.56	0.00	0.00	0.00	0.00	7.87
ESE	8.43	2.81	0.00	0.00	0.00	0.00	11.24
SE	8.99	2.81	0.00	0.00	0.00	0.00	11.80
SSE	8.99	2.81	0.00	0.00	0.00	0.00	11.80
S	6.18	5.62	0.00	0.00	0.00	0.00	11.80
SSW	4.49	0.56	0.00	0.00	0.00	0.00	5.06
SW	4.49	2.25	0.00	0.00	0.00	0.00	6.74
WSW	4.49	0.56	0.00	0.00	0.00	0.00	5.06
W	2.81	0.56	0.00	0.00	0.00	0.00	3.37
WNW	0.56	1.12	0.00	0.00	0.00	0.00	1.69
NW	0.00	1.12	0.00	0.00	0.00	0.00	1.12
NNW	0.56	0.00	0.00	0.00	0.00	0.00	0.56
ALL	70.22	29.78	0.00	0.00	0.00	0.00	100.00

Percentage of calms for B stability class = 49.4%

Period mean wind speed = 2.0 mph

Percent occurrence for B stability class: 4.1%

**TABLE E-35**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS C  
DATA PERIOD: 1983 - 1987, FOURTH QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	0.47	1.41	0.71	0.00	0.00	0.00	2.59
NE	2.82	2.59	1.18	0.00	0.00	0.00	6.59
ENE	2.12	2.35	0.00	0.00	0.00	0.00	4.47
E	4.24	1.65	0.00	0.00	0.00	0.00	5.88
ESE	2.82	1.65	0.71	0.00	0.00	0.00	5.18
SE	4.47	0.71	1.41	0.00	0.00	0.00	6.59
SSE	3.76	3.76	3.06	0.00	0.00	0.00	10.59
S	2.35	7.76	8.24	0.00	0.00	0.00	18.35
SSW	4.24	4.00	3.53	0.00	0.00	0.00	11.76
SW	2.12	2.35	3.76	0.24	0.00	0.00	8.47
WSW	1.41	2.59	3.29	0.24	0.00	0.00	7.53
W	1.88	2.35	2.59	0.00	0.00	0.00	6.82
WNW	1.65	0.24	3.06	0.00	0.00	0.00	4.94
NW	0.24	0.00	0.00	0.00	0.00	0.00	0.24
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	34.59	33.41	31.53	0.47	0.00	0.00	100.00

Percentage of calms for C stability class = 22.1%

Period mean wind speed = 4.9 mph

Percent occurrence for C stability class: 9.7%

**TABLE E-36**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS D  
DATA PERIOD: 1983 - 1987, FOURTH QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.04	0.00	0.00	0.00	0.04	0.00	0.08
NNE	0.25	0.58	0.75	0.46	0.33	0.63	3.00
NE	0.17	1.08	0.58	0.71	0.29	0.21	3.04
ENE	0.29	0.58	0.33	0.63	0.33	0.00	2.17
E	0.38	0.50	0.29	0.25	0.25	0.17	1.83
ESE	0.33	0.71	0.63	0.38	0.21	0.00	2.25
SE	0.33	0.92	1.63	1.88	1.13	0.00	5.88
SSE	0.42	0.83	2.92	6.17	2.13	0.46	12.92
S	0.75	1.17	3.08	6.88	4.13	1.08	17.09
SSW	0.46	1.33	2.21	4.84	4.84	2.79	16.47
SW	0.38	1.04	2.42	4.46	2.96	1.92	13.17
WSW	0.42	0.50	1.54	2.75	1.21	0.50	6.92
W	0.13	0.33	1.54	3.42	2.71	0.33	8.46
WNW	0.04	0.29	0.58	2.00	1.54	0.92	5.38
NW	0.00	0.08	0.21	0.58	0.21	0.17	1.25
NNW	0.00	0.00	0.04	0.04	0.00	0.00	0.08
ALL	4.38	9.96	18.76	35.43	22.30	9.17	100.00

Percentage of calms for D stability class = 3.0%

Period mean wind speed = 14.6 mph

Percent occurrence for D stability class: 54.6%

**TABLE E-37**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS E  
DATA PERIOD: 1983 - 1987, FOURTH QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NNE	0.00	3.29	2.03	0.00	0.00	0.00	5.32
NE	0.00	3.04	2.78	0.25	0.00	0.00	6.08
ENE	0.00	1.01	1.01	0.00	0.00	0.00	2.03
E	0.00	1.52	1.27	0.00	0.00	0.00	2.78
ESE	0.00	1.01	0.51	0.00	0.00	0.00	1.52
SE	0.00	2.03	2.03	0.51	0.00	0.00	4.56
SSE	0.00	3.54	6.58	1.52	0.00	0.00	11.65
S	0.00	4.05	5.32	1.52	0.00	0.00	10.89
SSW	0.00	4.81	10.63	2.78	0.00	0.00	18.23
SW	0.00	3.29	7.34	2.28	0.00	0.00	12.91
WSW	0.00	1.77	9.87	1.52	0.00	0.00	13.16
W	0.00	1.01	4.05	0.25	0.00	0.00	5.32
WNW	0.00	0.51	3.80	0.76	0.00	0.00	5.06
NW	0.00	0.00	0.25	0.25	0.00	0.00	0.51
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	0.00	30.89	57.47	11.65	0.00	0.00	100.00

Percentage of calms for E stability class = 0.0%

Period mean wind speed = 8.1 mph

Percent occurrence for E stability class: 9.0%



**TABLE E-38**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS F  
DATA PERIOD: 1983 - 1987, FOURTH QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.70	0.40	0.00	0.00	0.00	0.00	1.11
NNE	3.42	2.71	0.50	0.00	0.00	0.00	6.63
NE	3.72	3.92	0.40	0.00	0.00	0.00	8.04
ENE	4.62	1.81	0.10	0.00	0.00	0.00	6.53
E	4.12	1.91	0.10	0.00	0.00	0.00	6.13
ESE	3.42	2.31	0.00	0.00	0.00	0.00	5.73
SE	3.02	1.91	0.20	0.00	0.00	0.00	5.13
SSE	4.62	2.31	0.60	0.00	0.00	0.00	7.54
S	5.93	4.52	1.81	0.00	0.00	0.00	12.26
SSW	5.63	5.73	1.61	0.00	0.00	0.00	12.96
SW	4.92	4.92	1.21	0.00	0.00	0.00	11.06
WSW	4.72	3.42	1.21	0.00	0.00	0.00	9.35
W	1.91	2.41	0.80	0.00	0.00	0.00	5.13
WNW	1.01	0.50	0.40	0.00	0.00	0.00	1.91
NW	0.40	0.10	0.00	0.00	0.00	0.00	0.50
NNW	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALL	52.16	38.89	8.94	0.00	0.00	0.00	100.00

Percentage of calms for F stability class = 33.6%

Period mean wind speed = 3.1 mph

Percent occurrence for F stability class: 22.7%

**TABLE E-39**

**FREQUENCY OF WINDS BY DIRECTION AND SPEED  
FOR STABILITY CLASS ALL  
DATA PERIOD: 1983 - 1987, FOURTH QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	SPEED CLASS INTERVAL (MPH)						ALL
	0 - 3	4 - 7	8 - 12	13-18	19-24	>24	
N	0.18	0.09	0.00	0.00	0.02	0.00	0.30
NNE	1.12	1.43	0.77	0.25	0.18	0.34	4.10
NE	1.37	2.14	0.77	0.41	0.16	0.11	4.96
ENE	1.62	1.21	0.30	0.34	0.18	0.00	3.64
E	1.84	1.02	0.30	0.14	0.14	0.09	3.53
ESE	1.57	1.28	0.46	0.20	0.11	0.00	3.62
SE	1.66	1.30	1.25	1.07	0.61	0.00	5.90
SSE	2.00	1.78	2.62	3.51	1.16	0.25	11.32
S	2.23	3.01	3.37	3.89	2.25	0.59	15.35
SSW	2.12	2.87	2.87	2.89	2.64	1.53	14.91
SW	1.71	2.30	2.62	2.66	1.62	1.05	11.95
WSW	1.62	1.48	2.32	1.66	0.66	0.27	8.01
W	0.80	1.07	1.64	1.89	1.48	0.18	7.06
WNW	0.43	0.39	1.05	1.16	0.84	0.50	4.37
NW	0.11	0.11	0.14	0.34	0.11	0.09	0.91
NNW	0.02	0.00	0.02	0.02	0.00	0.00	0.07
ALL	20.40	21.47	20.49	20.45	12.18	5.01	100.00

Percentage of calms for ALL stability classes = 13.4%

Period mean wind speed = 10.0 mph

Percent occurrence for ALL stability classes 100.0%



**TABLE E-40**

**FREQUENCY OF WINDS BY STABILITY CLASS  
DATA PERIOD: 1983 - 1987, FOURTH QUARTER  
SWEETWATER URANIUM FACILITY**

WIND DIRECTION	STABILITY CATEGORY						
	A	B	C	D	E	F	ALL
N	0.00	0.00	0.00	0.05	0.00	0.25	0.30
NNE	0.00	0.23	0.25	1.64	0.48	1.50	4.10
NE	0.00	0.30	0.64	1.66	0.55	1.82	4.96
ENE	0.00	0.36	0.43	1.18	0.18	1.48	3.64
E	0.00	0.32	0.57	1.00	0.25	1.39	3.53
ESE	0.00	0.46	0.50	1.23	0.14	1.30	3.62
SE	0.00	0.48	0.64	3.21	0.41	1.16	5.90
SSE	0.00	0.48	1.02	7.06	1.05	1.71	11.32
S	0.00	0.48	1.78	9.34	0.98	2.78	15.35
SSW	0.00	0.20	1.14	8.99	1.64	2.94	14.91
SW	0.00	0.27	0.82	7.19	1.16	2.50	11.95
WSW	0.00	0.20	0.73	3.78	1.18	2.12	8.01
W	0.00	0.14	0.66	4.62	0.48	1.16	7.06
WNW	0.00	0.07	0.48	2.94	0.46	0.43	4.37
NW	0.00	0.05	0.02	0.68	0.05	0.11	0.91
NNW	0.00	0.02	0.00	0.05	0.00	0.00	0.07
ALL	0.00	4.05	9.68	54.62	8.99	22.65	100.00

**APPENDIX F**  
**ECOLOGICAL CONSIDERATIONS**

## VEGETATION SAMPLING METHODS

The vegetation of the study area was surveyed and inventoried by EG&G during three field trips: December 4-6, 1975; May 25-28, 1976; and August 29 through September 1, 1976. On each trip the area was reconnoitered by auto and on foot. An aerial survey was also made during the December and May trips for determining vegetation patterns and to make general observations. Plant species were identified and, where possible, collections were made.

During the December and May trips, vegetation was surveyed using linear transects (line intercept) for major shrubs and grasses, and one meter-square quadrats located randomly along the line for total cover, including smaller grasses and herbaceous species. Figure F-1 shows the location of sample sites.

The transects were located by arbitrarily establishing a point in a vegetation community and running the transect along the vegetation gradient. This reduced heterogeneity of the sample. Plots were analyzed for cover, relative density, and relative frequency. Standard deviations were calculated for these values for an indication of homogeneity of vegetation and sampling adequacy.

During the August trip, three permanent 50-meter transects were established in a portion of the study area that would not be mined (transects B, B1, and C, Figure F-1). Three 50-meter transects were also run at this time in areas that were mined in the early 1980s (transects A, A1, and C1, Figure F-1). Transects A, A1, B, and B1 were placed in the Wyoming sagebrush/ grass type, and transects C and C1 were placed in the big sagebrush type.

All the transects were sampled by the same method. Ten one-meter square quadrats were chosen randomly along alternate sides of each line. Cover of all identifiable species was estimated in the quadrats, and then the plants were clipped for biomass estimates. (Only 1976 growth was collected for grasses and forbs.) Except for sagebrush, all major species in

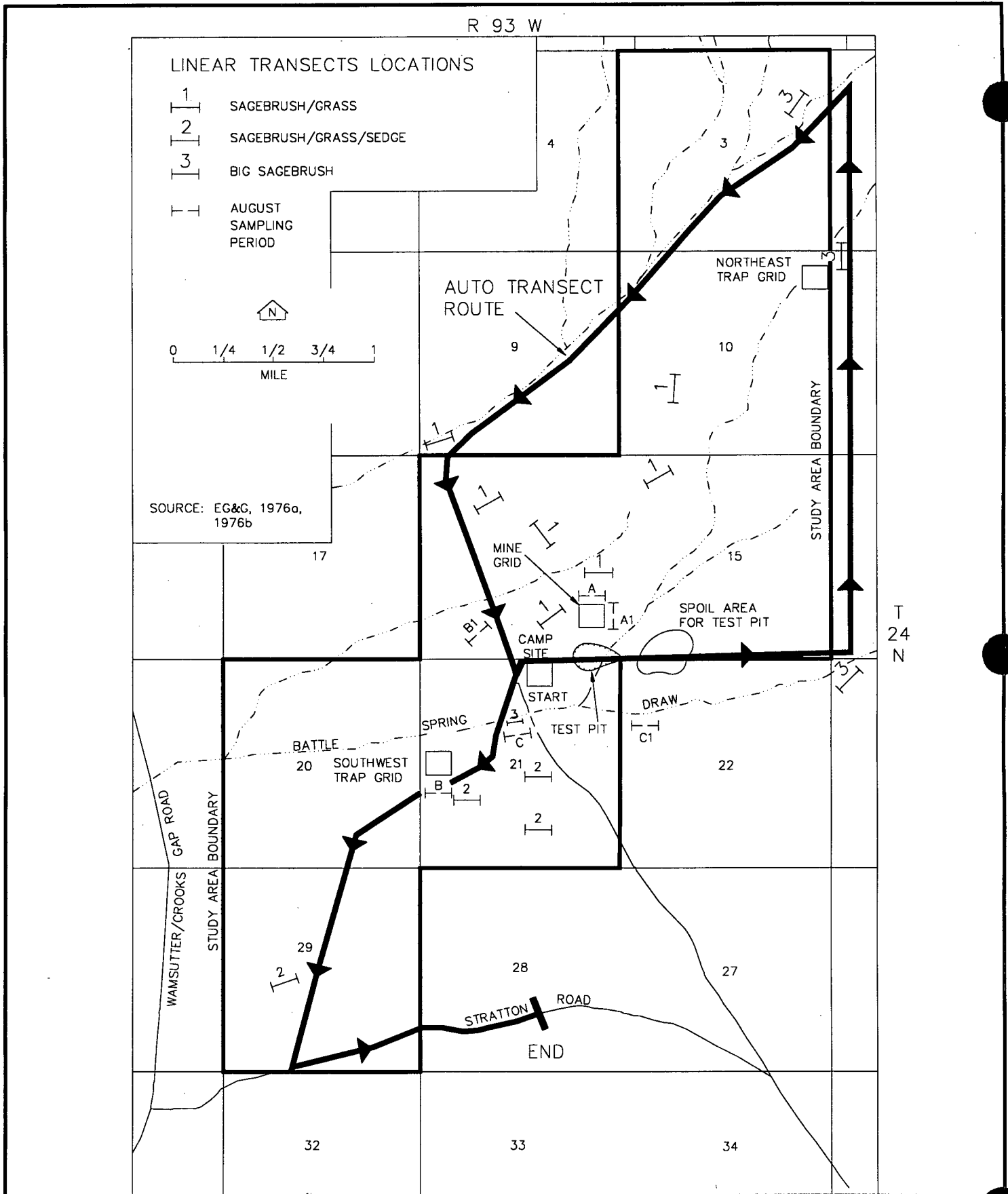


FIGURE F-1  
LOCATION OF PLANT AND  
ANIMAL SAMPLING SITES

each plot were bagged separately and the remaining minor species and forbs were grouped into a single bag. The weight of each major species or group of minor species was then calculated to arrive at the kilograms of plant material per hectare.

Sagebrush biomass and productivity were estimated by relating total biomass and 1976 growth to cover values of individual shrubs. The cover of sagebrush shrubs was measured. The whole shrubs were then harvested, dried, and weighed. A linear regression of cover to biomass for sagebrush was developed in the Wyoming sagebrush/grass type [ $Y = -22.45 + 10.15X$  ( $r^2=94$ )] and the big sagebrush type [ $Y = 124.2 + 15.9X$  ( $r^2=95$ )]. The ratio of productivity to total biomass for sagebrush was  $0.251 \pm 0.05$  ( $n=9$ ) for the Wyoming sagebrush/grass type and  $0.47 \pm 0.2$  ( $n=4$ ) for the big sagebrush type.

#### WILDLIFE SAMPLING METHODS

Information on wildlife populations of the study area was collected by EG&G during four field trips: December 4-6, 1975; February 13-15, 1976; May 25-28, 1976, and August 29 through September 1, 1976. An aerial survey of the area was made prior to ground surveys. Ground surveys were conducted by traversing the area on foot and by motor vehicle. The location of the ground survey line is shown in Figure F-1. A census of small mammals was taken using Sherman live traps baited with a mixture of peanut butter and oatmeal. Traps were set on three 75- by 90-meter grids (Figure F-1). The interval between trap stations was 15 meters, and two traps were set at each station. Traps were checked three times daily for three days.

**Table F-1 List of Plant Species Observed or Collected on or Near the Project Study Area**

<u>Scientific Nomenclature</u>	<u>Common Name</u>
<b>Shrubs</b>	
<i>Artemisia tridentata</i>	Wyoming sagebrush
ssp. <i>wyomingensis</i>	Big sagebrush
ssp. <i>tridentata</i>	Fringed sagewort
<i>Artemisia frigida</i>	Birdsfoot sagebrush
<i>Artemisia (pedatifida)</i>	Bud sagebrush
<i>Artemisia (spinescens)</i>	Shadscale
<i>Atriplex confertifolia</i>	Rubber rabbitbrush
<i>Chrysothamnus (nauseosus)</i>	Green rabbitbrush
<i>Chrysothamnus viscidiflorus</i>	Snakeweed
<i>(Gutierrezia sarothrae)</i>	Winterfat
<i>Eurotia lanata</i>	Greasewood
<i>Sarcobatus vermiculatus</i>	
<b>Grasses and Sedges</b>	
<i>Agropyron (dasystachyum)</i>	Thickspike wheatgrass
<i>Agropyron (smithii)</i>	Western wheatgrass
<i>Bromus tectorum</i>	Cheatgrass
<i>Carex filifolia</i>	Threadleaf sedge
<i>Carex (eleocharis)</i>	Needleleaf sedge
<i>Elymus (cinereus)</i>	Giant wildrye
<i>Festuca ovina</i>	Sheep fescue
<i>Oryzopsis hymenoides</i>	Indian ricegrass
<i>Poa secunda</i>	Sandberg bluegrass
<i>Sitanion hystrix</i>	Squirreltail
<i>Stipa comata</i>	Needle and thread
<b>Forbs</b>	
<i>Allium (textile)</i>	Textile onion
<i>Arabis (holboellii)</i>	Holboell rockcress
<i>Arenaria hookeri</i>	Hooker sandwort
<i>Astragalus spp.</i>	Milkvetch
<i>Erigeron sp.</i>	Fleabane
<i>Eriogonum (ovalifolium)</i>	Cushion eriogonum
<i>Erysimum asperum</i>	Western wallflower
<i>Leptodactylon pungens</i>	Granite gilia
<i>Lupinus sp.</i>	Lupine
<i>Penstemon (procerus)</i>	Penstemon
<i>Phlox byroides</i>	Moss phlox
<i>Phlox hoodii</i>	Hood's phlox
<i>Opuntia polyacantha</i>	Plains prickly pear
<i>Salsola kali</i>	Russian thistle
<i>Sphaeralcea coccinea</i>	Scarlet globemallow

Source: EG&G, 1976a and 1976b.

Note: Names in parentheses indicate tentative identification.

Table F-2. Vegetation Characteristics of the Big Sagebrush Association

Species	Cover (%)		Relative Density (%)	Frequency (%)
	Line intercept n=4	Quadrat n=20	Line intercept n=4	
<i>Artemisia tridentata</i> <i>ssp. tridentata</i>	31.1±10.0	34.4±20.0	89±9	95
<i>Chrysothamnus nauseosus</i>	1.5±1.8	1.9±2.8	9±6	25
<i>Eurotia lanata</i>	0.2±0.4	-	2±4	-
<i>Opuntia polyacantha</i>	*	-		-
<i>Festuca ovina</i> }	-	0.8±0.4		50
<i>Poa secunda</i> }	-			
Grass spp.                }	-	0.6±0.4		70
<i>Sitanion hystrix</i>	-	0.3±0.4		35
<i>Oryzopsis hymenoides</i> }	-	0.3±0.5		10
<i>Stipa comata</i>				
Total	32.8±8.0	38.4±20.0		

Source: EG&G, 1976a.

\*Indicates in the area, but not in sample plots.

**Table F-3 Estimates of Cover, Aboveground Biomass, and Productivity in Big Sagebrush Vegetation Type**

Species	Plot C1					Plot C				
	Cover %		Biomass *kg/ha		Productivity kg/ha	Cover %		Biomass kg/ha		Productivity kg/ha
	$\bar{x}$	S	$\bar{x}$	S	$\bar{x}$	$\bar{x}$	S	$\bar{x}$	S	$\bar{x}$
Artemisia tridentata	34.0	±20.1	6683	±3711	3141	21.6	±23.2	4167	±4234	1959
Oryzopsis hymenoides } Stipa comata }	1.4	1.8				<0.1	---			
Poa secunda } Festuca ovina }	0.2	0.6	40	(+misc. grasses)	40	<0.1	---			
Chrysothamnus nauseosus	0.5	1.6	5		5	2.5	5.4	44		44
Phlox (hoodii)										
Agropyron (dasystachyum)	0.5	0.5				0.4	0.9	18	(+misc. grasses)	18
Chrysothamnus viscidiflorus	1.5	4.7	9		9	0.1	0.3			
Eurotia lanata										
Eriogonum (ovalifolium)										
Artemisia (pedatifidia)										
Arenaria hookeri										
Erigeron sp.										
Lichen										
Leptodactylon pungens										
Spheralcea coccinea										
Sitanion hystrix	0.3	0.7				<0.1	---			
Other (for biomass)								17		17
<b>Total</b>	<b>38.4</b>	<b>19.7</b>	<b>6737</b>	<b>3695</b>	<b>3195</b>	<b>24.7</b>	<b>22.9</b>	<b>4247</b>	<b>4244</b>	<b>2039</b>

\*to convert kg/ha to lbs/acre, multiply by 0.8922

Symbols:  $\bar{x}$  = mean; S = standard deviation; kg/ha = kilograms/hectare

Source: EG&G, 1976b.



Table F-4 Characteristics of the Wyoming Sagebrush/Grass Association

Species	Cover (%)		Relative Density (%)	
	Line intercept n=6	Quadrat n=30	Line intercept n=6	Frequency (%) n=33
<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i>	8.9±9.4	10.2±8.9	13±9	79
<i>Oryzopsis hymenoides</i> } <i>Stipa comata</i> }	7.1±5.3	5.7±5.7	18±6	85
<i>Agropyron (dasystachyum)</i>	2.0±1.3	2.0±1.4	39±9	100
<i>Festuca ovina</i> } <i>Poa</i> sp. }	2.6±1.5	1.6±0.6	14±6	93
<i>Artemisia (pedatifidia)</i>	0.5±1.0	0.7±1.4	2±3	27
<i>Eurotia lanata</i>	1.1±1.2	1.3±1.2	5±6	55
<i>Eriogonum (ovalifolium)</i>	0.1±0.1	0.1±0.1	1±1	24
<i>Phlox (hoodii)</i>	0.8±0.5	0.9±0.8	6±7	58
<i>Chrysothamnus</i> ( <i>viscidiflorus</i> )	0.1±0.1	0.1±0.1	2±2	39
<i>Lupinus</i> sp.	<0.1	<0.1	<1	12
<i>Astragalus</i> sp. 1	<0.1	-	<1	3
Lichen	-	0.2±0.1	-	48
<i>Opuntia polyacantha</i>	<0.1	-	<1	3
<i>Artemisia spinescens</i>	<0.1	-	<1	9
<i>Carex (eleocharis)</i>	<0.1	-	-	3
Total	24.0±10.7	23.2±10.4		

Source: EG&G, 1976a.

Note: Names in parentheses indicate tentative identification.

**Table F-5 Estimates of Cover, Aboveground Biomass, and Productivity in Wyoming Sagebrush/Grass Vegetation Type**

Species	Plot A1					Plot A				
	Cover %		Biomass *kg/ha		Productivity kg/ha	Cover %		Biomass kg/ha		Productivity kg/ha
	$\bar{x}$	S	$\bar{x}$	S	$\bar{x}$	$\bar{x}$	S	$\bar{x}$	S	$\bar{x}$
Artemisia tridentata	9.8	±7.1	823	±650	207	10.1	±10.0	889	±923	202
Oryzopsis hymenoides } Stipa comata	4.0	3.7	31		31	5.9	7.6	79		79
Poa secunda } Festuca ovina	7.9	5.0	101		101	3.3	2.6	96		96
Phlox (hoodii)	1.0	1.0	32		8	2.9	2.2	129		129
Agropyron (dasystachyum)	0.6	0.7				0.6	0.7			
Chrysothamnus viscidiflorus	1.6	3.0				<0.1	--			
Eurotia lanata	0.4	0.8				--	--			
Eriogonum (ovalifolium)	<0.1					0.1	--			
Artemisia (pedatifidia)	0.2	0.6				--	--			
Arenaria hookeri	--					0.1	--			
Erigeron sp.	<0.1					<0.1	--			
Lichen	0.5	0.5				<0.1	--			
Leptodactylon pungens	--					<0.1	--			
Spheralcea coccinea	--									
Other (for biomass)			119		30			102	47	102
Total	26.1	(8.6)	1106	624	377	23.5	11.9	1294	1037	608

\*to convert kg/ha to lbs/acre, multiply by 0.8922

Symbols:  $\bar{x}$  = mean; S = standard deviation; kg/ha = kilograms/hectare

Source: EG&G, 1976b.

**Table F-6 Estimates of Cover, Aboveground Biomass and Productivity in Wyoming Sagebrush/Grass Vegetation Type**

Species	Plot B					Plot B1				
	Cover %		Biomass *kg/ha		Productivity kg/ha	Cover %		Biomass kg/ha		Productivity kg/ha
	$\bar{x}$	S	$\bar{x}$	S	$\bar{x}$	$\bar{x}$	S	$\bar{x}$	S	$\bar{x}$
Artemisia tridentata	5.9	±3.4	416	±295	104	6.5	±4.0	461	±341	116
Oryzopsis hymenoides	2.6	1.6	76		76	2.2	1.6	16		16
Stipa comata										
Poa secunda	0.5	1.0				0.9	0.7	30	(+misc. grasses)	30
Festuca ovina										
Phlox (hoodii)	1.0	1.4	31		31	3.3	1.7	83		83
Agropyron (dasystachyum)	2.1	1.4				0.6	0.5			
Chrysothamnus viscidiflorus	0.1	---				0.1	0.3			
Eurotia lanata	1.1	1.7	13		13	0.1	---			
Eriogonum (ovalifolium)	0.1	---				0.4	0.4			
Artemisia (pedatifidia)	0.4	1.0								
Arenaria hookeri						0.1	--			
Erigeron sp.						<0.1	--			
Lichen	0.1	---				0.1	0.1			
Leptodactylon pungens						<0.1	--			
Spheralcea coccinea						<0.1	--			
Opuntia polyacantha	0.5	1.3	66			0.2	0.6	17		
Other (for biomass)			110		110			124	62	124
<b>Total</b>	<b>14.6</b>	<b>3.5</b>	<b>712</b>	<b>305</b>	<b>334</b>	<b>14.4</b>	<b>5.5</b>	<b>732</b>	<b>330</b>	<b>369</b>

\*to convert kg/ha to lbs/acre, multiply by 0.8922

Symbols:  $\bar{x}$  = mean; S = standard deviation; kg/ha = kilograms/hectare

Source: EG&G, 1976b.

Table F-7 Characteristics of the Wyoming Sagebrush/Grass/Sedge Association

Species	Cover (%)		Relative Density (%)	
	Line intercept n=4	Quadrat n=20	Line intercept n=4	Frequency (%) n=24
<i>Festuca ovina</i> }			26±6	100
<i>Poa secunda</i> }	9.1±3.7	5.9±3.7		
<i>Artemisia tridentata</i> ssp. <i>Wyomingensis</i>	5.6±2.1	6.2±4.3	11±5	71
<i>Oryzopsis hymenoides</i> }	5.3±2.7	3.1±2.6	13±8	67
<i>Stipa comata</i>				
<i>Carex filifolia</i>	4.5±3.5	2.6±4.8	9±10	38
<i>Eriogonum (ovalifolium)</i>	0.9±0.7	0.3±0.1	3±2	71
<i>Carex eleocharis</i>	0.7±1.2	0.3±0.5	12±22	38
<i>Leptodactylon pungens</i>	0.7±1.4	0.4±0.5	1±1	21
<i>Chrysothamnus (viscidiflorus)</i>	0.6±0.6	0.3±0.3	3±1	75
<i>Agropyron (smithii)</i>	0.5±0.3	0.1±0.1	14±8	29
<i>Astragalus</i> sp. 1	0.5±1.1	0.4±0.7	1±1	25
<i>Phlox (hoodii)</i>	0.4±0.5	0.2±0.3	2±1	33
<i>Penstemon (procerus)</i>	0.2±0.2	0.2±0.1	3±3	58
<i>Astragalus</i> sp. 2	0.2±0.3	0.1±0.1	<1	13
<i>Opuntia polyacantha</i>	<0.1	<0.1	<1	8
<i>Lupinus</i> sp.	<0.1	<0.1	<1	8
<i>Arabis (holboellii)</i>	<0.1	<0.1	<1	17
<i>Erysiumum asperum</i>	<0.1	-	<1	4
<i>Astragalus</i> sp. 3	0.2±0.3	*	1±2	13
<i>Allium (textile)</i>	-	<0.1	-	17
<i>Eurotia lanata</i>	*	-	<1	-
Umbel	-	<0.1	-	8
Lichen	*	-	<1	-
Moss	*	-	<1	-
Total	30.3±3.3	20.2±3.9		

Source: EG&G, 1976a. \*Present in the area, but not in sample plots.

Note: Names in parentheses indicate tentative identification.

**Table F-8 Wildlife Species Observed in the Project Study Area**

Common Name	Scientific Name	Relative Abundance*	
		Common	Uncommon
<b>REPTILES</b>			
Horned lizard	<i>Phrynosoma sp.</i>	X	
<b>BIRDS</b>			
Ferruginous hawk	<i>Buteo regalis</i>		X
Golden eagle	<i>Aquila chrysaetos</i>	X	
Horned lark	<i>Eremophila alpestris</i>	X	
Lark bunting	<i>Calamospiza melanocorys</i>	X	
Loggerhead shrike	<i>Lanius ludovicianus</i>		X
Marsh hawk	<i>Circus cyaneus</i>		X
Meadowlark	<i>Sturnella neglecta</i>		X
Mourning dove	<i>Zenaidura macroura</i>		X
Prairie falcon	<i>Falco mexicanus</i>		X
Sage grouse	<i>Centrocercus urophasianus</i>	X	
Sage sparrow	<i>Amphispiza belli</i>	X	
Sage thrasher	<i>Oreoscoptes montanus</i>	X	
Snowy plover	<i>Charadrius alexandrinus</i>		X
Song sparrow	<i>Melospiza melodia</i>	X	
Swainson's hawk	<i>Buteo swainsoni</i>		X
Western burrowing owl	<i>Speotyto cunicularia</i>		X
Western kingbird	<i>Tyrannus verticalis</i>		X
Brewer's sparrow	<i>Spizella breweri</i>	X	
Chipping sparrow	<i>Spizella passerina</i>	X	
Vesper sparrow	<i>Poocetes gramineus</i>		X
Wilson's warbler	<i>Wilsonia pusilla</i>		X
<b>MAMMALS</b>			
Badger <sup>b</sup>	<i>Taxidea taxus</i>		X
Bat	Order Chiroptera		X
Coyote	<i>Canis latrans</i>	X	
Deer mouse	<i>Peromyscus maniculatus</i>	X	
Desert cottontail	<i>Sylvilagus audobonii</i>		X
Feral horse	<i>Equus caballus</i>	X	
Least chipmunk	<i>Eutamias minimus</i>	X	
Northern grasshopper mouse	<i>Onychomys leucogaster</i>		X
Northern pocket gopher <sup>b</sup>	<i>Thomomys talpoides</i>	X	
Pocket mouse	<i>Perognathus parvus</i>		X
Pronghorn	<i>Antilocapra americana</i>	X	
Richardson's ground squirrel	<i>Spermophilus richardsonii</i>	X	
Thirteen-lined ground squirrel	<i>Spermophilus tridecemlineatus</i>	X	
Weasel <sup>c</sup>	<i>Mustela frenata</i>		X
White-tailed jackrabbit	<i>Lepus townsendii</i>	X	
White-tailed prairie dog	<i>Cynomys leucurus</i>	X	
Ord's kangaroo rat	<i>Dipodomys ordi</i>	X	

Source: EG&G, 1976a and 1976b.

\*Relative abundance refers specifically to observations made by the study team during site visits on animals found in or immediately adjacent to the study area. Ratings given here should not be constructed as indicative of regional relative abundance.

<sup>b</sup>No direct observation was made of this animal, but its presence was documented by burrows, casts, or diggings.

<sup>c</sup>Documentation of this animal in the study areas was made from one pair of fresh tracks found in fresh snow near the test pit on February 15, 1976.

**Table F-9 Animals Observed During An Auto Transect of the Project Study Area**

Species	Number Observed <sup>a</sup>		Average (animals/km)	Number Observed			Average (animals/km)
	5/26/76	5/27/76		8/29/76	8/30/76	8/31/76	
Birds	85	86	4.60	28	8	41	1.45
Horned lark	63	60	3.31	27	8	37	1.36
Sparrows <sup>b</sup>	16	16	0.88	0	0	3	0.06
Lark bunting	1	3	0.11				
Sage thrashers	0	3	0.08				
Sage grouse	1	2	0.08				
Loggerhead shrike	1	1	0.06				
Meadowlark	0	1	0.06				
Snowy plover	1	0	0.03				
Mourning dove	1	0	0.03	1	0	0	0.02
Burrowing owl	1	0	0.03				
Ferruginous hawk				0	0	1	0.02
Mammals <sup>c</sup>	5	12	0.46	17	12	6	0.66
Pronghorn antelope	4	5	0.24	17	12	5	0.64
Richardson's ground squirrel	1	7	0.22				
Desert cottontail				0	0	1	0.02
Total	90	98		45	20	47	
Animals/km	4.88	5.25	5.05	2.54	1.13	2.66	2.11

Source: EG&G, 1976a and 1976b

<sup>a</sup>On 5/26/76 there were three observers in the vehicle, and on 5/27/76 only one observer drove the transect.

<sup>b</sup>All sparrows were included in this category.

<sup>c</sup>These figures appear to indicate that pronghorns were more abundant than Richardson's ground squirrels and desert cottontail. This is not the case. Pronghorns are conspicuous, and probably every pronghorn in the area was counted.

LETTER FROM U.S. FISH AND WILDLIFE SERVICE  
THREATENED/ENDANGERED SPECIES



UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 FISH AND WILDLIFE SERVICE  
 Ecological Services  
 2617 East Lincolnway  
 Cheyenne, WY 82001



IN REPLY REFER TO:

ES-61411  
 mej/W.26(sweturan.spl)

November 5, 1993

Mr. Larry D. Hayden-Wing  
 Hayden-Wing Associates, Environmental Consultants  
 2308 South 8th Street  
 P.O. Box 1440  
 Laramie, Wyoming 82070

Dear Mr. Hayden-Wing :

This responds to your letter of October 5, 1993, received by this office on October 26, 1993, regarding the Sweetwater Uranium Facility in Sweetwater County, Wyoming.

In accordance with Section 7(c) of the Endangered Species Act of 1973, as amended (ESA), we have determined that the following threatened or endangered (T/E) species may be present in the project area.

SPECIES	STATUS	EXPECTED OCCURRENCE
Black-footed ferret ( <u>Mustela nigripes</u> )	Endangered	Potential resident in prairie dog ( <u>Cynomys</u> sp.) colonies.
Bald eagle ( <u>Haliaeetus leucocephalus</u> )	Endangered	Nesting. Winter resident. Migrant.
Peregrine falcon ( <u>Falco peregrinus</u> )	Endangered	Nesting. Migrant.

Candidate species that may occur within the project area are identified below. Many Federal agencies have policies to protect candidate species from further population declines. Our office would appreciate receiving any information available on the status of these species in or near the project area.

<u>SPECIES</u>	<u>CATEGORY*</u>	<u>SCIENTIFIC NAME</u>	<u>EXPECTED OCCURRENCE</u>
<u>Birds</u>			
Trumpeter swan	2	<u>Cygnus buccinator</u>	NW Wyoming
White-faced ibis	2	<u>Plegadis chihi</u>	wetlands statewide



Harlequin duck	2	<u>Histrionicus histrionicus</u>	rivers in NW Wyoming
Ferruginous hawk	2	<u>Buteo regalis</u>	grasslands statewide
Mountain plover	1	<u>Charadrius montanus</u>	grasslands statewide
Long-billed curlew	3C	<u>Numenius americanus</u>	grasslands/wetlands
Black tern	2	<u>Chlidonias niger</u>	wetlands statewide
Loggerhead shrike	2	<u>Lanius ludovicianus</u>	woodlands/shrublands

\*1 = Federal T/E listing appears appropriate and is anticipated. 2 = Current data insufficient to support listing. 3C = More widespread or abundant than previously believed, or no immediate threats identified.

## Plants

Currently, no plant species in Wyoming are listed as threatened or endangered, however, Federal agencies are encouraged to consider candidate plants in project review. Your consideration of these species is important in preventing their inclusion on the Endangered Species List. The Wyoming Natural Diversity Database maintains the most current information on sensitive plants in Wyoming. The database must charge for data retrieval to financially support the database and staff. The staff can be contacted at (307) 766-3441.

Information from this office shows no sensitive plants occur in the project area, however, according to Dr. Ron Hartman, Curator of the Rocky Mountain Herbarium, a floristic survey has been conducted by his staff for the area. You are encouraged to contact Dr. Hartman concerning this information.

## Evaporation Pond/Standing Water

We are concerned about possible hazards posed by the evaporation pond and standing water in the tailings cell. During a November 5, 1993, telephone conversation with Mary Jennings of my staff, Oscar Paulson of the Kennecott Uranium Company, indicated that an active tailings cell would have up to five acres of highly acidic, open water, and the evaporation pond would contain highly acidic, open water with a depth of approximately six inches. Such open water may attract aquatic birds, and poor water quality may subsequently cause bird mortalities. Migratory bird mortality has been observed at similar acidic ponds at the Chevron fertilizer plant near Rock Springs. Other contaminants commonly found in tailings, including arsenic, molybdenum, lead, selenium, chloride, manganese, and sulfates, could also impact fish and wildlife directly through toxicity or bioaccumulation. Since tailings residue contains much of the radioactivity of the original ore, increased exposure to radioactivity could also pose a risk to fish and wildlife resources. Please address these possible hazards to migratory aquatic birds and other fish and wildlife resources and describe any plans to mitigate these impacts (e.g., netting of ponds).

The Migratory Bird Treaty Act (MBTA) (16 USC 703-711) prohibits the "taking" of migratory birds. Taking can include the following activities resulting in migratory bird mortalities: exposed waste pits, hazardous materials spills and oil spills. The maximum criminal penalty for corporations unlawfully taking a protected migratory bird is a \$10,000

fine, or six months in jail, or both for each count. There is no "allowable take" under the MBTA, the taking of just one bird is a violation of the Act.

Section 7(c) of ESA requires that Federal agencies proposing major construction actions complete a biological assessment to determine the effects of the proposed actions on listed and proposed species. If a biological assessment is not required (i.e., all other actions), your agency is responsible for review of proposed activities to determine whether listed species

will be affected. We would appreciate the opportunity to review your determination document.

For those actions where a biological assessment is necessary, it should be completed within 180 days of initiation, but can be extended by mutual agreement between your agency and the Fish and Wildlife Service (Service). If the assessment is not initiated within 90 days, the list of T/E species should be verified with the Service prior to initiation of the assessment. The biological assessment may be undertaken as part of your agency's compliance of Section 102 of the National Environmental Policy Act (NEPA), and incorporated into the NEPA documents. We recommend that biological assessments include:

1. a description of the project;
2. a description of the specific area potentially affected by the action;
3. the current status, habitat use, and behavior of T/E species in the project area;
4. discussion of the methods used to determine the information in item 3;
5. direct and indirect impacts of the project to T/E species;
6. an analysis of the effects of the action on listed and proposed species and their habitats including cumulative impacts from Federal, State, or private projects in the area;
7. coordination measures that will reduce/eliminate adverse impacts to T/E species;
8. the expected status of T/E species in the future (short and long term) during and after project completion;
9. determination of "is likely to adversely affect" or "is not likely to adversely affect" for listed species;
10. determination of "is likely to jeopardize" or "is not likely to jeopardize" for proposed species;
11. citation of literature and personal contacts used in assessment.

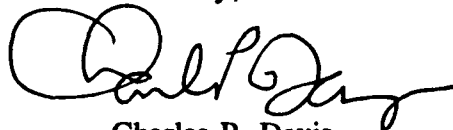
If it is determined that any agency program or project "is likely to adversely affect" any listed species, formal consultation should be initiated with us. If it is concluded that the project "is not likely to adversely affect" listed species, we should be asked to review the assessment and concur with the determination of no adverse effect.

A Federal agency may designate a non-Federal representative to conduct informal consultation or prepare biological assessments. However, the ultimate responsibility for Section 7 compliance remains with the Federal agency, and written notice should be provided to the Service upon such a designation. We recommend that Federal agencies

provide their non-Federal representatives with proper guidance and oversight during preparation of biological assessments and evaluation of potential impacts to listed species. Section 7(d) of ESA requires that the Federal agency and permit or license applicant shall not make any irreversible or irretrievable commitment of resources which would preclude the formulation of reasonable and prudent alternatives until consultation on listed species is completed.

If you have any questions please contact Mary Jennings of my staff at the letterhead address or phone (307) 772-2374.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles P. Davis", written in a cursive style.

Charles P. Davis  
State Supervisor  
Wyoming State Office

cc: Director, WGFD, Cheyenne, WY  
Nongame Coordinator, WGFD, Lander, WY

**APPENDIX G**  
**MILL DRAWINGS**

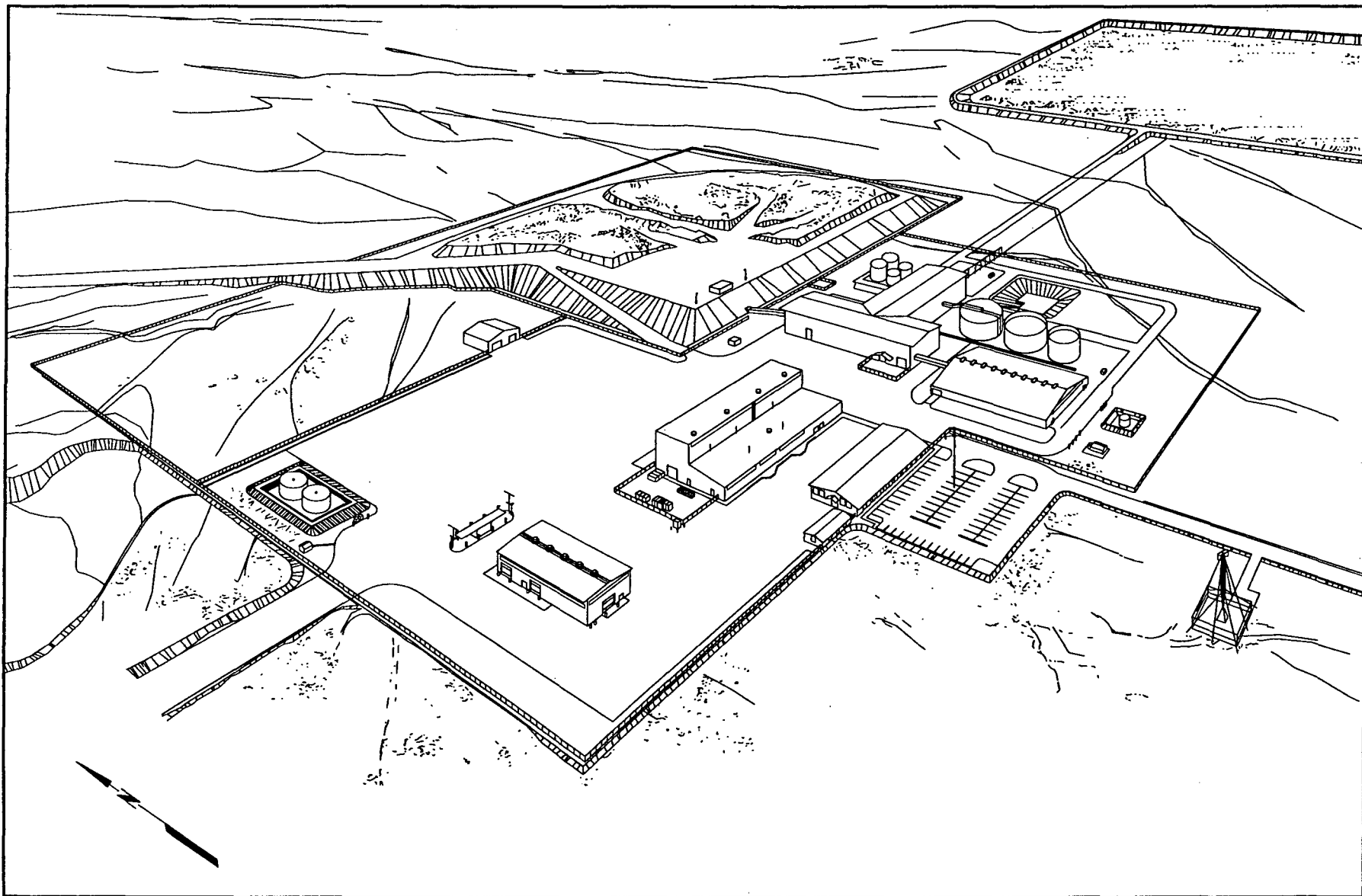


FIGURE G-1  
ARTIST'S CONCEPT,  
MILL AS IT CURRENTLY APPEARS

**SMI**  
SHEPHERD MILLER, INC.

Date:	AUG., 1994
Project:	423
File:	FIGG-1

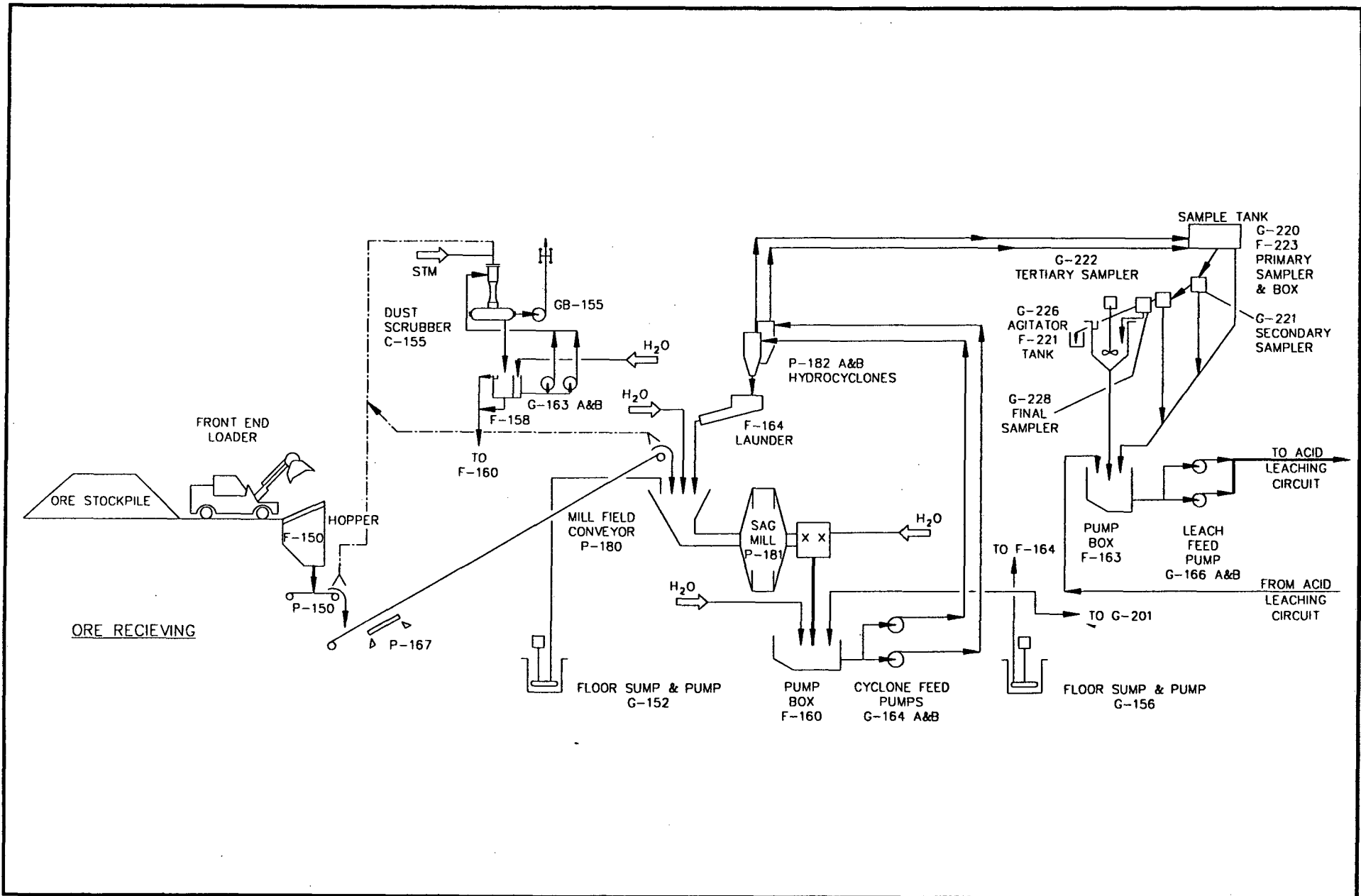


FIGURE G-2  
 ORE RECEIVING/SEMI-AUTOGENOUS GRINDING CIRCUIT

Date:	JUNE, 1994
Project:	423
File:	FIG

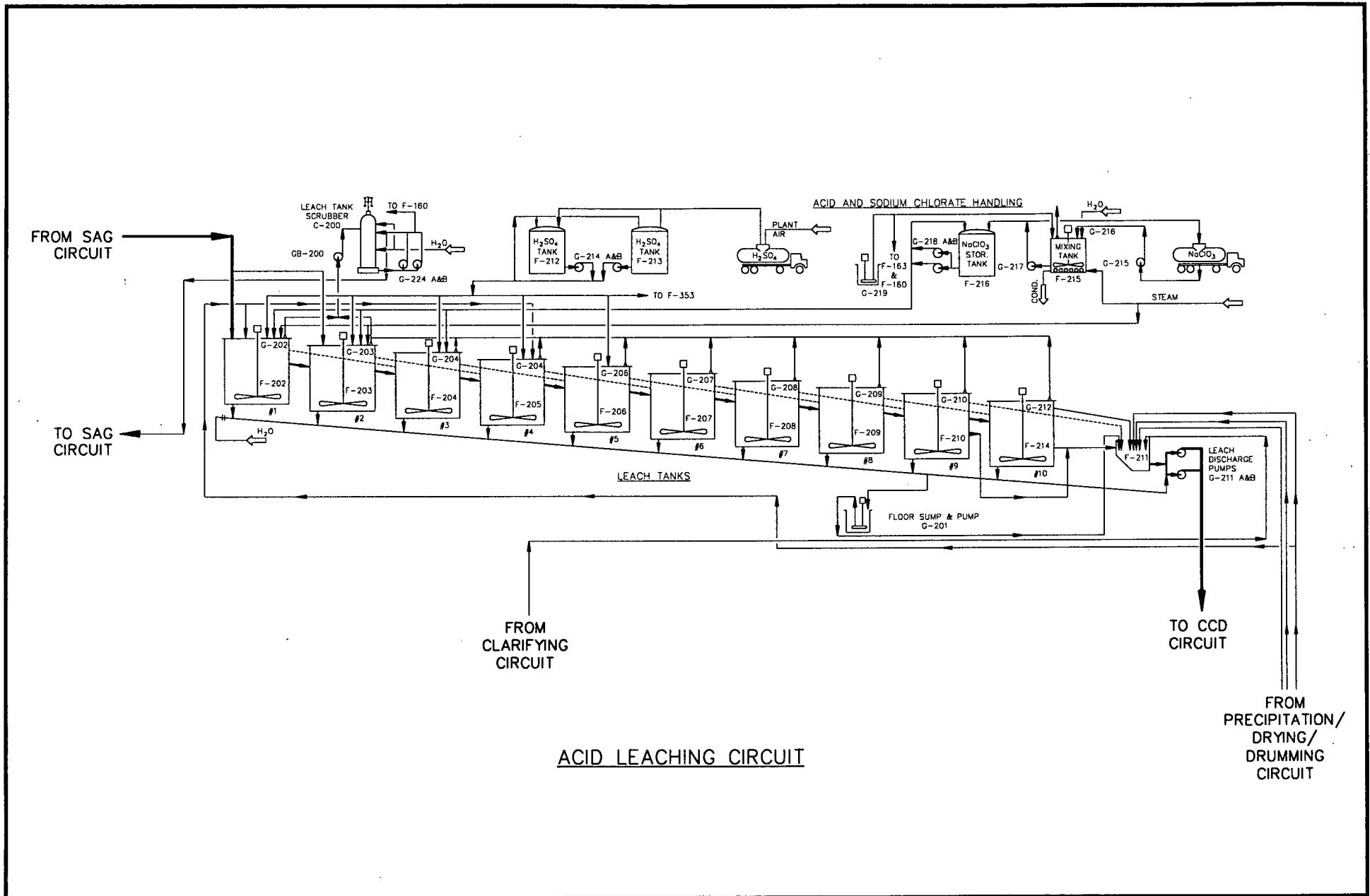
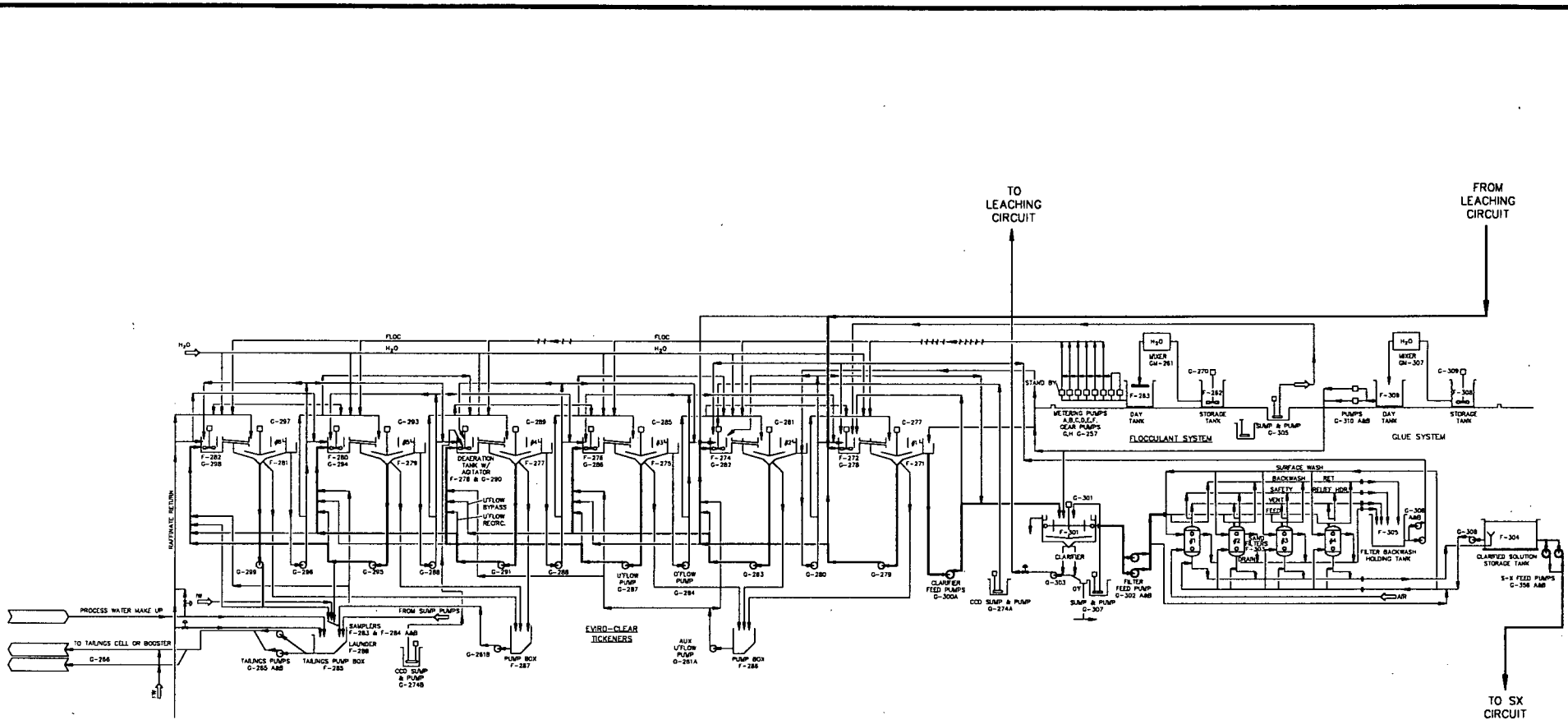


FIGURE G-3  
LEACHING CIRCUIT

Date:	JUNE, 1994
Project:	423
File:	FIGG-3



COUNTERCURRENT DECANATION WASH CIRCUIT

CLARIFYING CIRCUIT



FIGURE G-4  
COUNTERCURRENT DECANATION/CLARIFYING CIRCUIT

Date:	JUNE, 1994
Project:	423
File:	FIG. 4



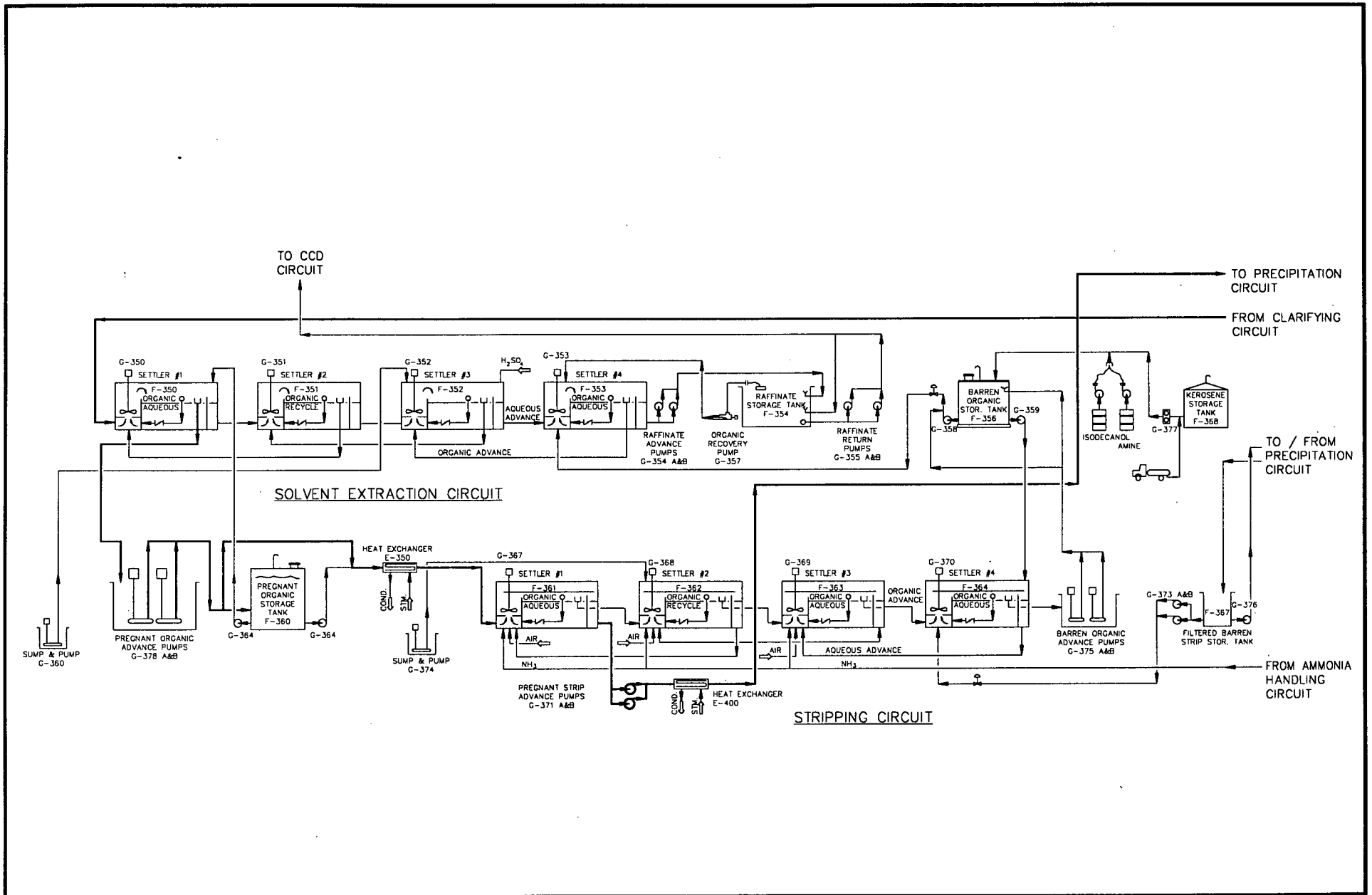
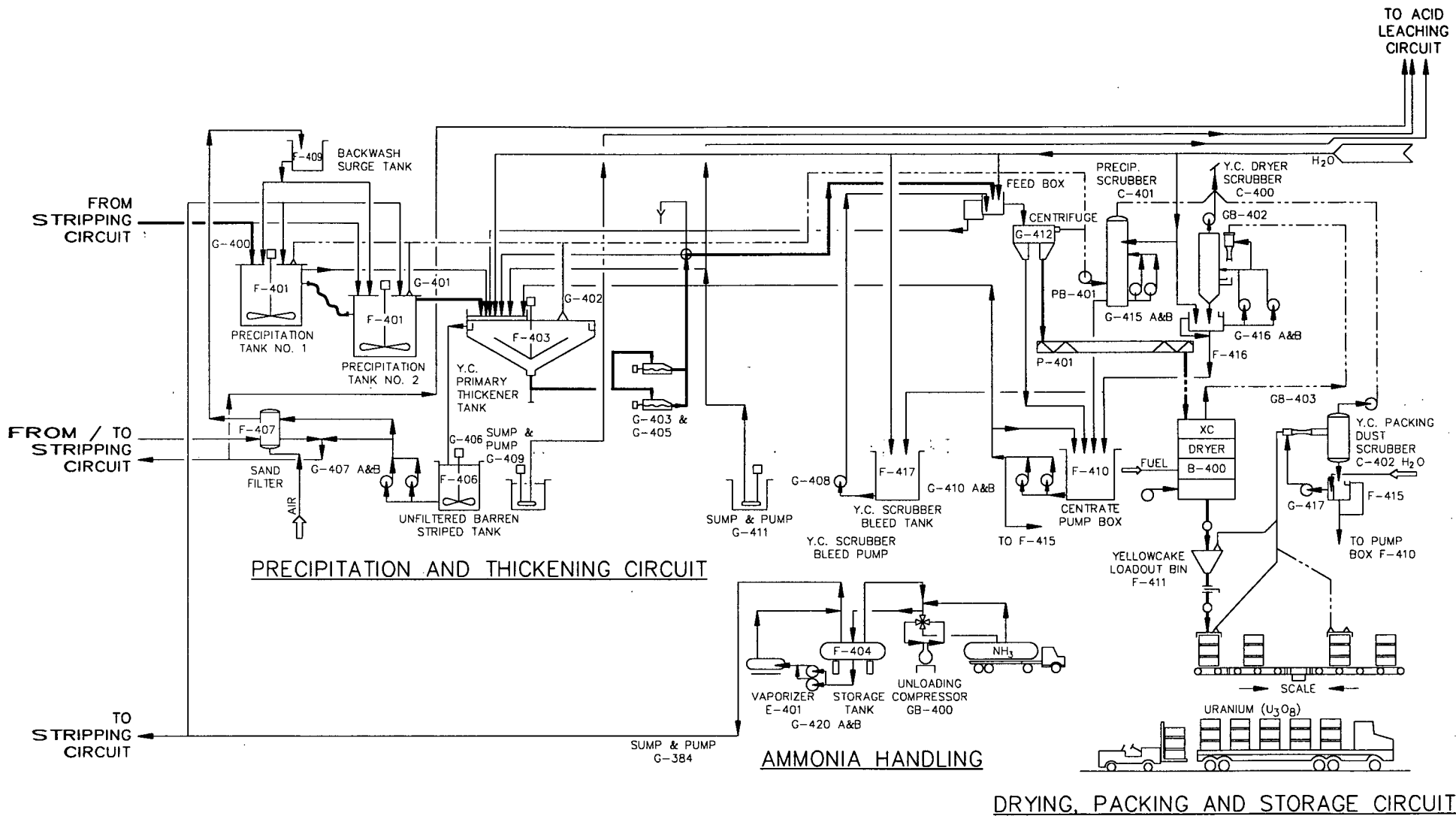


FIGURE G-5  
SOLVENT EXTRACTION CIRCUIT

Date:	JUNE, 1994
Project:	423
File:	FIGG-5



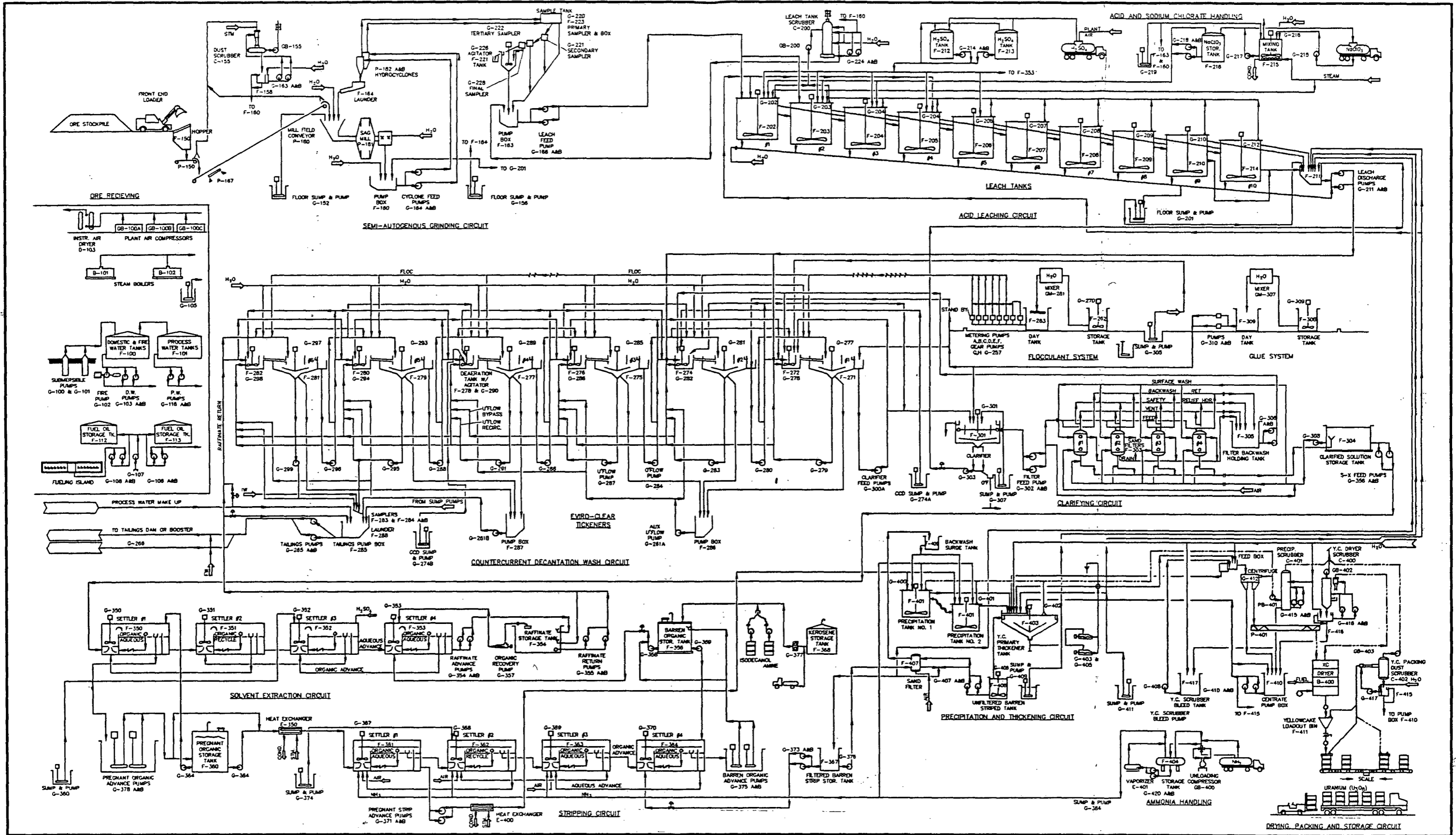


FIGURE G-7  
ENTIRE SYSTEM

**APPENDIX H**  
**RADIOLOGICAL CONSIDERATIONS**

**NRC Regulatory Guide 3.8's Appendix B**  
**Principal Parameters for Radiological Assessment**

## NRC REGULATORY GUIDE 3.8's APPENDIX B

PRINCIPAL PARAMETERS FOR RADIOLOGICAL ASSESSMENT

<u>Parameter</u>	<u>Value</u>
Ore quality, U <sub>3</sub> O <sub>8</sub>	<u>0.20</u> %
Ore activity, U-238, U-234, Th-230, Ra-226, and Pb-210	<u>@ 560</u> pCi/g
Operating days per year (plant factor)	<u>365</u> days
Ore process rate (3000 tpd)(365 d/yr)(0.907 tonnes/ton) =	<u>993,165</u> tonnes/yr
Mill water throughput (750 gpm)(365 d/yr)(1440 min/day) (0.00378 m <sup>3</sup> /gal) =	<u>1,490,076</u> m <sup>3</sup> /yr
Annual average morning mixing height	<u>300</u> m
Annual average afternoon mixing height	<u>2400</u> m
<u>Ore Handling and Storage</u>	
Estimated capacity of ore per delivery	<u>22.9 - 90.9</u> MT
Number of deliveries	<u>30 - 120</u> per day/ <u>210 - 840</u> per week
Estimated ore dust released in delivery (Appendix G - GEIS)	<u>19.9</u> MT/yr
Average grade of ore and ranges	<u>0.15 - 0.25</u> %
Capacity of ore pad:	
final year of operation	<u>81818.2</u> MT
average during operation	<u>81818.2</u> MT
Maximum area of ore pad and height of ore storage pile	<u>48159</u> m <sup>2</sup> , <u>12</u> m-high
Approximate amount of ore handled per day i.e., unloaded, loaded, bulldozed, etc.	<u>5442</u> MT/day
<b>Ore is dumped/ore is fed - handled twice (2)(3000 t/d)(0.907)</b>	
Operation time of front-end loaders, hoppers, feeders, and other ore pad equipment	<u>24</u> hr/day
Estimated amount of fugitive ore dust emission from handling of ore on ore pad <b>Handling and Storage</b>	<u>34.85</u> MT/yr
<b>From NRC - E.A.</b>	
Dust emission control reduction factor by wetting, chemical, or other controls	<u>50</u> %
<b>EPA - AP-42 - 1977</b>	
Ore storage time	<u>30</u> days

Crushers, Grinders, Rod Mills, Fine Ore Blending,  
Solvent Extraction, Countercurrent Decantation,  
Ion Exchange, and Leaching

**Ore Receiving -  
Feeder/Conveyor/SAG Mill**

For each piece of potential radioactive  
emission source equipment, report the following:\*

EQUIPMENT: Receiving

Operation time	<u>24</u> hr/day and <u>365</u> days/yr
Estimated dust lost to atmosphere (20)	<u>1.97</u> MT/yr
Estimated radon released to atmosphere (ore storage)	<u>604.6</u> Ci/yr
Efficiency of emission control devices (effective and design) (GEIS)	<u>97</u> %
Estimated dust lost to atmosphere through internal ore transportation devices (e.g., conveyor belts)	<u>See 20</u> MT/yr
Efficiency of emission controls of internal ore transportation devices (effective and design) (GEIS)	<u>97</u> %
Average daily capacity of temporary bin storage (fine ore bins)	<u>N/A</u> MT/day
Efficiency of controls for temporary bin storage (GEIS)	<u>97</u> %

\*If change or expansion of the process is planned, provide approximate values as necessary.

Crushers, Grinders, Rod Mills, Fine Ore Blending,  
Solvent Extraction, Countercurrent Decantation,  
Ion Exchange, and Leaching

For each piece of potential radioactive emission source equipment, report the following:\*

EQUIPMENT: Leaching

Operation time	<u>24</u> hr/day and <u>365</u> days/yr
Estimated dust lost to atmosphere	<u>4.02</u> MT/y
Estimated radon released to atmosphere (Material is wet.)	<u>----</u> Ci/yr
Efficiency of emission control devices (effective and design) (GEIS)	<u>97</u> %
Estimated dust lost to atmosphere through internal ore transportation devices (e.g., conveyor belts)	<u>0</u> MT/yr
Efficiency of emission controls of internal ore transportation devices (effective and design) (GEIS)	<u>97</u> %
Average daily capacity of temporary bin storage (fine ore bins)	<u>0</u> MT/day
Efficiency of controls for temporary bin storage	<u>N/A</u> %

\*If change or expansion of the process is planned, provide approximate values as necessary.



Crushers, Grinders, Rod Mills, Fine Ore Blending,  
Solvent Extraction, Countercurrent Decantation,  
Ion Exchange, and Leaching

Not Applicable

For each piece of potential radioactive  
emission source equipment, report the following:\*

EQUIPMENT:       S X      

Operation time       -----       hr/day and  
days/yr

Estimated dust lost to atmosphere       -----       MT/yr

Estimated radon released to atmosphere       -----       Ci/yr

Efficiency of emission control devices  
(effective and design)       -----       %

Estimated dust lost to atmosphere through  
internal ore transportation devices  
(e.g., conveyor belts)       -----       MT/yr

Efficiency of emission controls of internal ore  
transportation devices (effective and design)       -----       %

Average daily capacity of temporary bin storage  
(fine ore bins)       -----       MT/day

Efficiency of controls for temporary bin storage       -----       %

\*If change or expansion of the process is planned, provide approximate values as necessary.

Crushers, Grinders, Rod Mills, Fine Ore Blending,  
Solvent Extraction, Countercurrent Decantation,  
Ion Exchange, and Leaching

Not Applicable

For each piece of potential radioactive  
emission source equipment, report the following:\*

EQUIPMENT:           CCD          

Operation time           -----           hr/day and  
days/yr

Estimated dust lost to atmosphere           -----           MT/yr

Estimated radon released to atmosphere           -----           Ci/yr

Efficiency of emission control devices  
(effective and design)           -----           %

Estimated dust lost to atmosphere through  
internal ore transportation devices  
(e.g., conveyor belts)           -----           MT/yr

Efficiency of emission controls of internal ore  
transportation devices (effective and design)           -----           %

Average daily capacity of temporary bin storage  
(fine ore bins)           -----           MT/day

Efficiency of controls for temporary bin storage           -----           %

\_\_\_\_\_  
\*If change or expansion of the process is planned, provide approximate values as necessary.

Yellowcake Drying and Packaging (based on last year of operation)

(Give parameter values for drying and packaging)

Processing rates	Drying	<u>4,380,000 lb</u> /yr and <u>12,000 lb</u> /day
<b>NB: Drying and packaging are more likely to approach 365 days/yr operation than other areas of the mill.</b>	Packaging	<u>4,380,000 lb</u> /yr and <u>12,000 lb</u> /day
Operation time	Drying	<u>365</u> days/yr and <u>24</u> hr/day
	Packaging	<u>365</u> days yr and <u>24</u> hr/day
Efficiency of control of U <sub>3</sub> O <sub>8</sub> dust released to atmosphere (design and effective)	Drying	<u>97.9</u> %
	Packaging	<u>99.7</u> %
Estimated U <sub>3</sub> O <sub>8</sub> dust released to atmosphere	Drying	<u>0.23</u> MT/yr *
	Packaging	<u>---</u> MT/yr
Stack height(s)	Drying	<u>17.8</u> m
	Packaging	<u>17.8</u> m
Recovery rate of U <sub>3</sub> O <sub>8</sub>		<u>91.7</u> %
Yellowcake yield		<u>1986</u> tonnes/yr
Yellowcake quality, U <sub>3</sub> O <sub>8</sub>		<u>97.15</u> %

\*Originally based on mill rate of 1630 lb/day.

Solid and Liquid Disposal Impoundments  
(Tailings, evaporation, and settling ponds)

Operating cell = 40 acres

Area, volume, and capacity of sand tailings 0.115 km<sup>2</sup> / 1.24x10<sup>6</sup> m<sup>3</sup> / 1.64x10<sup>6</sup> MT

Area, volume, and capacity of slime tailings  
(slimes not covered by pool) 0.031 km<sup>2</sup> / 0.31x10<sup>6</sup> m<sup>3</sup> / 0.41x10<sup>6</sup> MT

Area, volume, and capacity of submerged tailings  
30% by volume, 10% by area 0.016 km<sup>2</sup> / 0.66x10<sup>6</sup> m<sup>3</sup> / 0.88x10<sup>6</sup> MT

Operating time for impoundment area Tables and graphs are attached

Fraction of U-238, Th-230, Ra-226, Pb-210 to tailings 7/100/100/100 %

Tailings density 1.32 g/cm<sup>3</sup>

Drying time prior to reclamation 3 yrs

Efficiency of controls for fugitive dusting (wetting,  
chemicals, etc.) 90 %

Activity, U-238, Ra-226, Th-230, and Pb-210 in slimes  
From GEIS and Site data 24.6/353/353/353 pCi/g

Activity, U-238, Ra-226, Th-230, and Pb-210 in sand  
From GEIS and Site data 14.4/207/207/207 pCi/g

Activity, U-238, Ra-226, Th-230, and Pb-210 in solution  
From GEIS 6600/500/180,000/500 pCi/g

Total tailings area 161,874 m<sup>2</sup>

Tailings pond (solution) area 16,187 m<sup>2</sup>

Tailings solid area 145,687 m<sup>2</sup>

Tailings impoundment depth 27.40 m

Seepage rate from tailings impoundment 0 gpm

**For model:**

- 1) One operating cell is full and exposed.
- 2) Tailings beach is moist.
- 3) Small decant pond is located on cell.

**NOTE:** PER 40-ACRE CELL:

Total A = 161,874 m<sup>2</sup> Sand = 71%  
V = 2.21 x 10<sup>6</sup> m<sup>3</sup> Slimes = 29%  
= 2.92 x 10<sup>6</sup> MT

Solid and Liquid Disposal Impoundments  
(Tailings, evaporation, and settling ponds)

**Non-operating cell, prior to radon cover = 40 acres**

Area, volume, and capacity of sand tailings 0.115 km<sup>2</sup> / 1.57x10<sup>6</sup> m<sup>3</sup> / 2.07x10<sup>6</sup> MT

Area, volume, and capacity of slime tailings 0.047 km<sup>2</sup> / 0.64x10<sup>6</sup> m<sup>3</sup> / 0.85x10<sup>6</sup> MT

Area, volume, and capacity of submerged tailings 0.0 km<sup>2</sup> / 0.0x10<sup>6</sup> m<sup>3</sup> / 0.0x10<sup>6</sup> MT  
**No pool, cell drying**

Operating time for impoundment area Tables and graphs are attached

Fraction of U-238, Th-230, Ra-226, Pb-210 to tailings 7/100/100/100 %

Tailings density 1.32 g/cm<sup>3</sup>

Drying time prior to reclamation 3 yrs

Efficiency of controls for fugitive dusting (wetting, chemicals, etc.) 60 %

Activity, U, Ra-226, Th-230, and Pb-210 in slimes 24.6/353/353/353 pCi/g  
**From GEIS and Site data**

Activity, U, Ra-226, Th-230, and Pb-210 in sand 14.4/207/207/207 pCi/g  
**From GEIS and Site data**

Activity, U, Ra-226, Th-230, and Pb-210 in solution 6600/500/180,000/500 pCi/g  
**From GEIS**

Total tailings area 161,874 m<sup>2</sup>

Tailings pond (solution) area 0 m<sup>2</sup>

Tailings solid area 161,874 m<sup>2</sup>

Tailings impoundment depth 27.40 m

Seepage rate from tailings impoundment 0 gpm

**For model:**

- 1) **Second cell is full and exposed, but no longer operating.**
- 2) **Tailings are drying (no pond), but surface dusting controls are employed.**

## Land Use and Grazing of Cattle

Fraction of year spent grazing locally	<u>60</u>	%
Fraction of feed that is pasture graze while grazing	<u>100</u>	%
Fraction of stored feed that is grown locally	<u>0*</u>	%
Acreage required to graze one animal unit (450 kg) for one month (AUM)	<u>3.24</u>	ha
Length of growing season	<u>2.3</u>	months/yr
Fraction of local consumption of locally produced:		
vegetables	<u>&lt;2</u>	%
meat	<u>&lt;2</u>	%
milk	<u>0</u>	%

\*Within 30 miles (Note: from 0-50 miles - 16%)

## Locations of Sources and Receptors

All locations should be given in terms of:

x kilometers east of the yellowcake dryer stack

y kilometers north of the yellowcake dryer stack

z meters elevation from the base of the yellowcake dryer stack

(Denote locations to the south and/or west by a negative value.)

<u>Sources</u>	<u>east (km)</u>	<u>north (km)</u>	<u>Difference in elevation (m)</u>
1. Yellowcake dryer	0.00	0.00	0.0 (Base)
2. Receiving	0.00	0.07	6.9
3. Ore pad	0.03	0.27	6.9
4. Tailings cell 1	0.75	0.50	15.1
5. Tailings cell 2	1.19	0.50	15.1
6. Tailings cell 3	1.14	0.06	15.1
7. Tailings cell 4	0.75	0.94	18.1
8. Tailings cell 5	1.19	0.94	18.1
9. Tailings cell 6	1.14	-0.38	12.0
10. Existing cell	0.65	0.00	-2.3

## Receptors

1. Nearest resident	28.00	0.00	73.90
2. Restricted area boundary, N	0.00	0.27	6.90
3. Restricted area boundary, S	0.00	-0.15	-3.80
4. Restricted area boundary, E	1.94	0.00	-0.80
5. Restricted area boundary, W	-0.29	0.00	-3.80
6. Restricted area boundary, NE	0.27	0.27	0.80
7. Restricted area boundary, SW	0.15	-0.15	-0.80
8. Restricted area boundary, SE	-0.15	-0.15	-3.80
9. Restricted area boundary, NW	-0.27	0.27	0.80
10. Bairoil	28.57	21.59	107.40

EPA Model COMPLY

Output

11/19/93 04:43

CFR Part 61  
National Emission Standards  
for Hazardous Air Pollutants

nearest resident  
Level 2

REPORT ON COMPLIANCE WITH  
THE CLEAN AIR ACT LIMITS FOR RADIONUCLIDE EMISSIONS  
FROM THE COMPLY CODE, VERSION 1.2, SEPT. 1989

Prepared by:

Kennecott Uranium Company  
Sweetwater Uranium Project  
P.O. Box 1500, Rawlins, WY

Lyda Hersloff  
(303) 642-7530

Prepared for:

U.S. Environmental Protection Agency  
Office of Radiation Programs  
Washington, D.C. 20460



## Revised Compliance Determination with NESHAPS for the Sweetwater Facility a

-----  
SCREENING LEVEL 2  
-----DATA ENTERED:  
-----

## RELEASE RATES FOR STACK 1.

Nuclide		Release Rate (curies/YEAR)
U-238	Y	3.147E-02
U-234	Y	3.147E-02
RA-226	W	3.147E-02
TH-230	W	3.147E-02

## RELEASE RATES FOR STACK 2.

Nuclide		Release Rate (curies/YEAR)
U-238	Y	1.130E-03
U-234	Y	1.130E-03
RA-226	W	1.130E-03
TH-230	W	1.130E-03

## RELEASE RATES FOR STACK 3.

Nuclide		Release Rate (curies/YEAR)
U-238	Y	2.310E-03
U-234	Y	2.310E-03
RA-226	W	2.310E-03
TH-230	W	2.310E-03

## RELEASE RATES FOR STACK 4.

Nuclide		Release Rate (curies/YEAR)
U-238	Y	6.600E-02
U-234	Y	6.600E-02

## SITE DATA FOR STACK 1.

Release height 18 meters.

Building height 6 meters.

Distance from the source to the receptor is 28000 meters.

SITE DATA FOR STACK 2.

Release height 26 meters.

Building height 23 meters.

The source and receptor are not on the same building.

Distance from the source to the receptor is 28000 meters.

Building width 12 meters.

SITE DATA FOR STACK 3.

Release height 18 meters.

Building height 6 meters.

Distance from the source to the receptor is 28000 meters.

SITE DATA FOR STACK 4.

Release height 18 meters.

Building height 15 meters.

The source and receptor are not on the same building.

Distance from the source to the receptor is 28000 meters.

Building width 18 meters.

Default mean wind speed not used.

Mean wind speed is 5.80 m/sec.

NOTES:

-----

Input parameters outside the "normal" range:

Receptor is unusually FAR.

RESULTS:

-----

WHOLE BODY dose: 0.2 (mrem/year).

\*\*\* COMPLY at level 2.

11/19/93 04:43

This facility is in COMPLIANCE.

It may or may not be EXEMPT from reporting to the EPA.

You may contact your regional EPA office for more information.

\*\*\*\*\* END OF COMPLIANCE REPORT \*\*\*\*\*

**MILDOS MODELING ANALYSIS  
KENNECOTT SWEETWATER URANIUM FACILITY**

**Prepared for:**

**RADIANT ENERGY MANAGEMENT  
10854 Diane Drive  
Golden, CO 80403**

**Prepared by:**

**ENECOTECH INC.  
1580 Lincoln Street, Suite 1000  
Denver, CO 80203**

**February 1994**

**PROJECT NO.: 01-01029-001**



**MILDOS MODELING ANALYSIS**  
**KENNECOTT SWEETWATER URANIUM FACILITY**

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ATTACHMENT 1 MILDOS Modeling Results, 10 CFR 20

ATTACHMENT 2 MILDOS Modeling Results, 40 CFR 190

**ATTACHMENT 1**

**MILDOS Modeling Results  
10 CFR 20**



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INDIVIDUAL RECEPTOR LOCATION DATA						14 LOCATIONS INPUT THIS RUN					
I	LOCATION NAMES	X (KM)	Y (KM)	Z (M)	DIST (KM) TYPE	I	LOCATION NAMES	X (KM)	Y (KM)	Z (M)	DIST (KM) TYPE
1	Nearest Resident	28.00	0.00	73.90	28.00 0	8	Restricted Area Boun	-0.15	-0.15	-3.80	0.21 0
2	Restricted Area Boun	0.00	0.27	6.90	0.27 0	9	Restricted Area Boun	-0.27	0.27	0.60	0.38 0
3	Restricted Area Boun	0.00	-0.15	-3.80	0.15 0	10	Bailroil	28.57	21.59	107.40	35.81 0
4	Restricted Area Boun	1.94	0.00	-0.80	1.94 0	11	Jeffrey City	6.98	49.53	-75.40	50.02 0
5	Restricted Area Boun	-0.29	0.00	-3.80	0.29 0	12	Rawlins	54.61	-27.94	37.00	61.34 0
6	Restricted Area Boun	0.27	0.27	0.80	0.38 0	13	Special Receptor #1	1.38	0.98	0.80	1.69 0
7	Restricted Area Boun	0.15	-0.15	-0.80	0.21 0	14	Special Receptor #2	2.00	2.10	0.80	2.90 0

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
800.0	1300.0	1983.00	0.60	0.00	0.60	0.00	320.00	1400.00	230.00	2.50

IPACT EQUALS 1, 1, 1, 1, 0,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA...	STEP NAMES	LENGTH, YRS	IFTODO
1	25-YEAR ACTION PERIO	3.00	1
2	&NWAREA	3.00	1
3	NEX = 0, NAS = 1, N	3.00	1
4	NODE =	3.00	1
5	1,2,3,4,	3.00	1
6	XS =	3.00	1
7	545,955,545,955,	3.00	1
8	YS =	3.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 150.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	NNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.0-40.0	0	0	240	10	0	0	0	26	0	0	0	0	0	0	0	0
40.0-50.0	0	0	21	0	0	0	0	0	253	26	0	0	0	0	0	0
50.0-60.0	421	0	0	0	0	0	0	0	0	10	0	0	0	0	0	21
60.0-70.0	0	0	0	0	0	9885	0	0	0	0	185	0	0	0	0	0
70.0-80.0	0	0	0	0	0	527	0	0	0	0	0	0	0	0	0	0
1.0-80.0	421	0	261	10	0	10412	0	26	253	36	185	0	0	0	0	21

TOTAL 1-80 KM POPULATION IS 11625 PERSONS



NUMBER OF SOURCES= 5

NO.	KM X	KM Y	M Z	KM2 AREA	U-238	Th-230	CI/YEAR Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	0.00	0.00	17.80	0.0000	6.45E-02	6.45E-02	6.45E-02	6.45E-02	0.00E+00	1001	1	4.50E+00	Yellowcake Dryer
2	0.03	0.27	6.90	0.0482	3.10E-02	3.10E-02	3.10E-02	3.10E-02	0.00E+00	1002	1	0.00E+00	Ore Pad
3	1.00	0.50	15.10	0.1620	1.90E-03	2.72E-02	2.72E-02	2.72E-02	1.00E+03	1004	1	0.00E+00	Tailings Pond
4	0.00	0.07	26.70	0.0000	2.30E-03	2.30E-03	2.30E-03	2.30E-03	0.00E+00	1005	1	1.40E+01	Receiver
5	0.00	0.07	25.20	0.0000	1.10E-03	1.10E-03	1.10E-03	1.10E-03	6.05E+02	1006	1	3.54E+01	Leach

INPUT TAILS ACTIVITIES, PCI/G

SET URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 8 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 3.00YRS	TSTEP 2 3.00YRS	TSTEP 3 3.00YRS	TSTEP 4 3.00YRS	TSTEP 5 3.00YRS	TSTEP 6 3.00YRS	TSTEP 7 3.00YRS	TSTEP 8 3.00YRS	TSTEP 9 0.00YRS	TSTEP10 0.00YRS
1	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	1.000E+00	5.000E+00	5.000E+00	5.000E+00	5.000E+00	5.000E+00	4.000E+00	0.000E+00	0.000E+00	0.000E+00
4	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 8 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 3.00YRS	TSTEP 2 3.00YRS	TSTEP 3 3.00YRS	TSTEP 4 3.00YRS	TSTEP 5 3.00YRS	TSTEP 6 3.00YRS	TSTEP 7 3.00YRS	TSTEP 8 3.00YRS	TSTEP 9 0.00YRS	TSTEP10 0.00YRS
1	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	1.000E+00	2.900E+00	3.000E+00	3.100E+00	3.200E+00	3.300E+00	2.400E+00	7.000E-01	0.000E+00	0.000E+00
4	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

AMAD= 1.5 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.42E+03	3.85E+03	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	4.84E+01	5.41E+01	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG. LUNG	2.69E+04	3.08E+04	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	3.51E-01	3.23E-01	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	4.67E+01	5.23E+01	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03
AMAD= 3.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.08E+03	2.33E+03	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	3.56E+01	3.98E+01	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG. LUNG	1.70E+04	1.94E+04	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	2.48E-01	2.38E-01	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	3.44E+01	3.86E+01	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03
AMAD= 7.7 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.11E+03	1.25E+03	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	3.60E+01	4.02E+01	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG. LUNG	7.50E+03	8.38E+03	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	2.30E-01	2.47E-01	6.37E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	3.71E+01	4.20E+01	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03
AMAD=54.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.49E+00	2.74E+00	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	2.04E+01	2.28E+01	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG. LUNG	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	1.09E-01	1.40E-01	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	2.10E+01	2.38E+01	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03
AMAD= 0.3 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	6.97E+03	7.81E+03	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	8.37E+01	9.35E+01	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG. LUNG	5.84E+04	6.67E+04	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	6.15E-01	5.35E-01	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	7.63E+01	8.55E+01	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0	AMAD- 1.5 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	1.64E+03	1.84E+03	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
	BONE	3.23E+01	3.60E+01	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
	AVG. LUNG	1.32E+04	1.47E+04	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
	LIVER	1.62E-01	1.46E-01	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
	KIDNEY	2.04E+01	2.29E+01	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0	AMAD- 3.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	9.97E+02	1.12E+03	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
	BONE	2.38E+01	2.66E+01	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
	AVG. LUNG	8.32E+03	9.31E+03	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
	LIVER	1.14E-01	1.08E-01	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
	KIDNEY	1.51E+01	1.69E+01	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02
0	AMAD- 7.7 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	5.33E+02	5.97E+02	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
	BONE	1.46E+01	1.51E+01	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
	AVG. LUNG	3.59E+03	4.02E+03	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
	LIVER	7.77E-02	8.02E-02	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
	KIDNEY	1.14E+01	1.28E+01	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02
0	AMAD-54.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	1.19E+00	1.31E+00	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
	BONE	8.28E+00	8.54E+00	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
	AVG. LUNG	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
	LIVER	3.67E-02	4.54E-02	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
	KIDNEY	6.46E+00	7.24E+00	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02
0	AMAD- 0.3 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	3.34E+03	3.74E+03	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
	BONE	6.17E+01	6.89E+01	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
	AVG. LUNG	2.86E+04	3.20E+04	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
	LIVER	3.07E-01	2.68E-01	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
	KIDNEY	3.91E+01	4.38E+01	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02



INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0	AMAD= 1.5 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	8.55E+02	9.62E+02	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
	BONE	4.15E+01	4.63E+01	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
	AVG. LUNG	6.88E+03	7.69E+03	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
	LIVER	8.43E-02	7.30E-02	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
	KIDNEY	1.17E+01	1.31E+01	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0	AMAD= 3.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	5.20E+02	5.83E+02	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
	BONE	3.06E+01	3.41E+01	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
	AVG. LUNG	4.34E+03	4.85E+03	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
	LIVER	5.95E-02	5.38E-02	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
	KIDNEY	8.61E+00	9.64E+00	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0	AMAD= 7.7 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	2.78E+02	3.12E+02	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
	BONE	2.47E+01	2.77E+01	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
	AVG. LUNG	1.87E+03	2.09E+03	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
	LIVER	3.89E-02	3.86E-02	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
	KIDNEY	6.18E+00	6.92E+00	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0	AMAD=54.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	6.22E-01	6.85E-01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
	BONE	1.40E+01	1.57E+01	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
	AVG. LUNG	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
	LIVER	1.83E-02	2.19E-02	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
	KIDNEY	3.50E+00	3.92E+00	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0	AMAD= 0.3 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	1.74E+03	1.95E+03	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
	BONE	7.49E+01	8.37E+01	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
	AVG. LUNG	1.49E+04	1.67E+04	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
	LIVER	1.54E-01	1.28E-01	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
	KIDNEY	2.05E+01	2.29E+01	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02



INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210	
0 AMAD= 1.5 µm								
EFFECTIV	7.13E+02	8.02E+02	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01	
BONE	2.30E+01	2.57E+01	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00	
AVG. LUNG	5.73E+03	6.41E+03	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02	
LIVER	7.03E-02	6.09E-02	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01	
KIDNEY	9.73E+00	1.09E+01	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02	
0 AMAD= 3.0 µm								
EFFECTIV	4.34E+02	4.85E+02	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01	
BONE	1.70E+01	1.90E+01	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00	
AVG. LUNG	3.62E+03	4.05E+03	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02	
LIVER	4.96E-02	4.48E-02	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01	
KIDNEY	7.17E+00	8.03E+00	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02	
0 AMAD= 7.7 µm								
EFFECTIV	2.32E+02	2.60E+02	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01	
BONE	1.12E+01	1.26E+01	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00	
AVG. LUNG	1.56E+03	1.75E+03	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.33E+01	
LIVER	2.99E-02	2.97E-02	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01	
KIDNEY	4.75E+00	5.32E+00	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02	
0 AMAD=54.0 µm								
EFFECTIV	5.18E-01	5.71E-01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01	
BONE	6.37E+00	7.12E+00	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00	
AVG. LUNG	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00	
LIVER	1.41E-02	1.68E-02	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01	
KIDNEY	2.69E+00	3.01E+00	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02	
0 AMAD= 0.3 µm								
EFFECTIV	1.45E+03	1.63E+03	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01	
BONE	4.41E+01	4.92E+01	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00	
AVG. LUNG	1.24E+04	1.39E+04	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02	
LIVER	1.40E-01	1.16E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01	
KIDNEY	1.86E+01	2.08E+01	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02	
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3						1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

CONCENTRATION FACTOR		ENVIRONMENTAL CONCENTRATION FACTORS				
		FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.		2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO		2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.		2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE		2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED		2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT		3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK		6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.		1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO		1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	BELOW G.		1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE		1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED		1.00E+00	1.00E+00	1.00E+00	1.00E+00

NO.	TIME STEP NAME	PAJUST	TIME STEP DEPENDENT VARIABLES							
			GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1	25-YEAR ACTION PERIO	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
2	ENWAREA	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
3	NEX = 0, NAS = 1, N	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
4	NODE =	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
5	1,2,3,4,	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
6	XS =	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
7	545,955,545,955,	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
8	YS =	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XFFACT=2.640E+02 GPFAC(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFAC(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	5.827E-03	7.382E-03	7.382E-03	7.365E-03	5.822E+01	5.283E+01	2.126E+01	8.334E+00	5.741E-06	1.933E-04
2.5	2.321E-03	2.938E-03	2.938E-03	2.931E-03	2.833E+01	2.688E+01	1.420E+01	7.805E+00	9.620E-06	1.288E-04
3.5	1.233E-03	1.541E-03	1.540E-03	1.537E-03	1.694E+01	1.648E+01	1.024E+01	6.833E+00	1.326E-05	9.436E-05
4.5	7.564E-04	9.349E-04	9.349E-04	9.327E-04	1.147E+01	1.130E+01	7.764E+00	5.767E+00	1.593E-05	7.251E-05
7.5	2.706E-04	3.338E-04	3.338E-04	3.331E-04	5.576E+00	5.561E+00	4.458E+00	3.741E+00	2.095E-05	4.228E-05
15.0	6.604E-05	8.139E-05	8.138E-05	8.120E-05	2.093E+00	2.094E+00	1.921E+00	1.749E+00	2.298E-05	1.842E-05
25.0	2.410E-05	2.969E-05	2.969E-05	2.962E-05	1.030E+00	1.031E+00	1.001E+00	9.588E-01	2.232E-05	9.711E-06
35.0	1.282E-05	1.579E-05	1.579E-05	1.576E-05	6.540E-01	6.544E-01	6.475E-01	6.348E-01	2.163E-05	6.325E-06
45.0	7.992E-06	9.845E-06	9.845E-06	9.822E-06	4.641E-01	4.644E-01	4.632E-01	4.589E-01	2.085E-05	4.538E-06
55.0	5.468E-06	6.737E-06	6.737E-06	6.721E-06	3.517E-01	3.519E-01	3.523E-01	3.510E-01	2.010E-05	3.458E-06
65.0	3.979E-06	4.904E-06	4.903E-06	4.892E-06	2.782E-01	2.784E-01	2.792E-01	2.790E-01	1.939E-05	2.743E-06
75.0	3.026E-06	3.730E-06	3.730E-06	3.721E-06	2.270E-01	2.271E-01	2.280E-01	2.283E-01	1.874E-05	2.241E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	3.332E+03	4.221E+03	4.218E+03	4.218E+03	0.000E+00	4.260E+03	4.260E+03	4.260E+03	1.526E+00
2.5	1.327E+03	1.680E+03	1.679E+03	1.679E+03	0.000E+00	1.700E+03	1.700E+03	1.700E+03	2.556E+00
3.5	7.050E+02	8.808E+02	8.803E+02	8.803E+02	0.000E+00	8.933E+02	8.933E+02	8.933E+02	3.524E+00
4.5	4.325E+02	5.346E+02	5.342E+02	5.342E+02	0.000E+00	5.432E+02	5.432E+02	5.432E+02	4.233E+00
7.5	1.547E+02	1.909E+02	1.908E+02	1.908E+02	0.000E+00	1.952E+02	1.952E+02	1.952E+02	5.566E+00
15.0	3.776E+01	4.654E+01	4.651E+01	4.651E+01	0.000E+00	4.816E+01	4.816E+01	4.816E+01	6.108E+00
25.0	1.378E+01	1.698E+01	1.697E+01	1.697E+01	0.000E+00	1.778E+01	1.778E+01	1.778E+01	5.931E+00
35.0	7.331E+00	9.030E+00	9.024E+00	9.024E+00	0.000E+00	9.543E+00	9.543E+00	9.543E+00	5.748E+00
45.0	4.570E+00	5.629E+00	5.626E+00	5.626E+00	0.000E+00	5.994E+00	5.994E+00	5.994E+00	5.541E+00
55.0	3.127E+00	3.852E+00	3.850E+00	3.850E+00	0.000E+00	4.128E+00	4.128E+00	4.128E+00	5.340E+00
65.0	2.275E+00	2.804E+00	2.802E+00	2.802E+00	0.000E+00	3.023E+00	3.023E+00	3.023E+00	5.153E+00
75.0	1.730E+00	2.133E+00	2.131E+00	2.131E+00	0.000E+00	2.311E+00	2.311E+00	2.311E+00	4.980E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	5.827E-05	7.382E-05	7.382E-05	7.367E-05
2.5	2.321E-05	2.938E-05	2.938E-05	2.934E-05
3.5	1.233E-05	1.541E-05	1.540E-05	1.541E-05
4.5	7.564E-06	9.349E-06	9.349E-06	9.375E-06
7.5	2.706E-06	3.338E-06	3.338E-06	3.393E-06
15.0	6.604E-07	8.139E-07	8.138E-07	8.809E-07
25.0	2.410E-07	2.969E-07	2.969E-07	3.632E-07
35.0	1.282E-07	1.579E-07	1.579E-07	2.225E-07
45.0	7.992E-08	9.845E-08	9.845E-08	1.608E-07
55.0	5.468E-08	6.737E-08	6.737E-08	1.275E-07
65.0	3.979E-08	4.904E-08	4.903E-08	1.071E-07
75.0	3.026E-08	3.730E-08	3.730E-08	9.343E-08

TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0  
 CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	5.893E-03	9.863E-03	9.863E-03	9.840E-03	1.137E+02	8.082E+01	1.437E+01	2.622E+00	8.239E-07	1.659E-04
2.5	2.501E-03	3.937E-03	3.937E-03	3.928E-03	5.031E+01	4.404E+01	1.649E+01	6.625E+00	5.111E-06	1.537E-04
3.5	1.367E-03	1.930E-03	1.929E-03	1.925E-03	2.447E+01	2.292E+01	1.140E+01	6.442E+00	9.210E-06	1.055E-04
4.5	8.613E-04	1.170E-03	1.170E-03	1.167E-03	1.570E+01	1.515E+01	8.762E+00	5.803E+00	1.264E-05	8.167E-05
7.5	3.274E-04	4.237E-04	4.236E-04	4.227E-04	6.699E+00	6.650E+00	4.758E+00	3.708E+00	1.775E-05	4.481E-05
15.0	8.636E-05	1.087E-04	1.087E-04	1.084E-04	2.305E+00	2.306E+00	2.000E+00	1.732E+00	1.966E-05	1.898E-05
25.0	3.271E-05	4.078E-05	4.078E-05	4.068E-05	1.096E+00	1.097E+00	1.037E+00	9.646E-01	1.911E-05	9.986E-06
35.0	1.751E-05	2.175E-05	2.175E-05	2.170E-05	6.836E-01	6.840E-01	6.674E-01	6.423E-01	1.851E-05	6.484E-06
45.0	1.094E-05	1.357E-05	1.357E-05	1.354E-05	4.823E-01	4.826E-01	4.775E-01	4.675E-01	1.792E-05	4.662E-06
55.0	7.488E-06	9.298E-06	9.297E-06	9.276E-06	3.656E-01	3.658E-01	3.645E-01	3.603E-01	1.739E-05	3.569E-06
65.0	5.451E-06	6.773E-06	6.772E-06	6.757E-06	2.894E-01	2.895E-01	2.895E-01	2.879E-01	1.686E-05	2.840E-06
75.0	4.147E-06	5.155E-06	5.155E-06	5.143E-06	2.362E-01	2.363E-01	2.368E-01	2.363E-01	1.634E-05	2.325E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	3.369E+03	5.640E+03	5.636E+03	5.636E+03	0.000E+00	5.700E+03	5.700E+03	5.700E+03	2.189E-01
2.5	1.430E+03	2.251E+03	2.250E+03	2.250E+03	0.000E+00	2.284E+03	2.284E+03	2.284E+03	1.358E+00
3.5	7.817E+02	1.103E+03	1.103E+03	1.103E+03	0.000E+00	1.121E+03	1.121E+03	1.121E+03	2.447E+00
4.5	4.925E+02	6.690E+02	6.685E+02	6.685E+02	0.000E+00	6.805E+02	6.805E+02	6.805E+02	3.359E+00
7.5	1.872E+02	2.422E+02	2.421E+02	2.421E+02	0.000E+00	2.474E+02	2.474E+02	2.474E+02	4.716E+00
15.0	4.938E+01	6.213E+01	6.209E+01	6.209E+01	0.000E+00	6.391E+01	6.391E+01	6.391E+01	5.224E+00
25.0	1.871E+01	2.332E+01	2.330E+01	2.330E+01	0.000E+00	2.417E+01	2.417E+01	2.417E+01	5.077E+00
35.0	1.001E+01	1.243E+01	1.243E+01	1.243E+01	0.000E+00	1.297E+01	1.297E+01	1.297E+01	4.919E+00
45.0	6.253E+00	7.760E+00	7.755E+00	7.755E+00	0.000E+00	8.137E+00	8.137E+00	8.137E+00	4.763E+00
55.0	4.281E+00	5.316E+00	5.313E+00	5.313E+00	0.000E+00	5.603E+00	5.603E+00	5.603E+00	4.622E+00
65.0	3.117E+00	3.873E+00	3.870E+00	3.870E+00	0.000E+00	4.099E+00	4.099E+00	4.099E+00	4.480E+00
75.0	2.371E+00	2.947E+00	2.946E+00	2.946E+00	0.000E+00	3.133E+00	3.133E+00	3.133E+00	4.343E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	5.893E-05	9.863E-05	9.863E-05	9.841E-05
2.5	2.501E-05	3.937E-05	3.937E-05	3.929E-05
3.5	1.367E-05	1.930E-05	1.929E-05	1.928E-05
4.5	8.613E-06	1.170E-05	1.170E-05	1.171E-05
7.5	3.274E-06	4.237E-06	4.236E-06	4.280E-06
15.0	8.636E-07	1.087E-06	1.087E-06	1.143E-06
25.0	3.271E-07	4.078E-07	4.078E-07	4.641E-07
35.0	1.751E-07	2.175E-07	2.175E-07	2.725E-07
45.0	1.094E-07	1.357E-07	1.357E-07	1.892E-07
55.0	7.488E-08	9.298E-08	9.297E-08	1.449E-07
65.0	5.451E-08	6.773E-08	6.772E-08	1.181E-07
75.0	4.147E-08	5.155E-08	5.155E-08	1.005E-07

TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.287E-03	4.178E-03	4.178E-03	4.168E-03	2.913E+01	1.947E+01	3.631E+00	8.066E-01	3.397E-07	4.148E-05
2.5	1.524E-03	2.202E-03	2.202E-03	2.196E-03	2.427E+01	2.067E+01	7.327E+00	3.017E+00	2.509E-06	6.969E-05
3.5	8.535E-04	1.161E-03	1.161E-03	1.158E-03	1.336E+01	1.241E+01	5.891E+00	3.308E+00	4.884E-06	5.499E-05
4.5	5.424E-04	7.194E-04	7.194E-04	7.177E-04	8.950E+00	8.616E+00	4.811E+00	3.149E+00	7.000E-06	4.501E-05
7.5	2.073E-04	2.658E-04	2.658E-04	2.652E-04	4.068E+00	4.040E+00	2.865E+00	2.215E+00	1.068E-05	2.695E-05
15.0	5.445E-05	6.839E-05	6.839E-05	6.823E-05	1.474E+00	1.474E+00	1.288E+00	1.118E+00	1.283E-05	1.222E-05
25.0	2.053E-05	2.560E-05	2.560E-05	2.554E-05	7.174E-01	7.178E-01	6.832E-01	6.389E-01	1.293E-05	6.586E-06
35.0	1.099E-05	1.365E-05	1.365E-05	1.362E-05	4.516E-01	4.519E-01	4.431E-01	4.286E-01	1.270E-05	4.310E-06
45.0	6.864E-06	8.512E-06	8.511E-06	8.492E-06	3.190E-01	3.192E-01	3.169E-01	3.116E-01	1.233E-05	3.098E-06
55.0	4.700E-06	5.829E-06	5.829E-06	5.815E-06	2.418E-01	2.420E-01	2.416E-01	2.396E-01	1.197E-05	2.368E-06
65.0	3.422E-06	4.247E-06	4.247E-06	4.237E-06	1.916E-01	1.918E-01	1.920E-01	1.914E-01	1.162E-05	1.885E-06
75.0	2.603E-06	3.233E-06	3.233E-06	3.225E-06	1.565E-01	1.566E-01	1.571E-01	1.570E-01	1.127E-05	1.544E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.879E+03	2.389E+03	2.387E+03	2.387E+03	0.000E+00	2.403E+03	2.403E+03	2.403E+03	9.027E-02
2.5	8.712E+02	1.259E+03	1.258E+03	1.258E+03	0.000E+00	1.274E+03	1.274E+03	1.274E+03	6.668E-01
3.5	4.880E+02	6.636E+02	6.632E+02	6.632E+02	0.000E+00	6.730E+02	6.730E+02	6.730E+02	1.298E+00
4.5	3.102E+02	4.113E+02	4.111E+02	4.111E+02	0.000E+00	4.179E+02	4.179E+02	4.179E+02	1.860E+00
7.5	1.185E+02	1.520E+02	1.519E+02	1.519E+02	0.000E+00	1.551E+02	1.551E+02	1.551E+02	2.837E+00
15.0	3.113E+01	3.911E+01	3.908E+01	3.908E+01	0.000E+00	4.025E+01	4.025E+01	4.025E+01	3.410E+00
25.0	1.174E+01	1.464E+01	1.463E+01	1.463E+01	0.000E+00	1.520E+01	1.520E+01	1.520E+01	3.436E+00
35.0	6.283E+00	7.806E+00	7.801E+00	7.801E+00	0.000E+00	8.159E+00	8.159E+00	8.159E+00	3.375E+00
45.0	3.925E+00	4.867E+00	4.864E+00	4.864E+00	0.000E+00	5.117E+00	5.117E+00	5.117E+00	3.277E+00
55.0	2.687E+00	3.333E+00	3.331E+00	3.331E+00	0.000E+00	3.522E+00	3.522E+00	3.522E+00	3.181E+00
65.0	1.956E+00	2.428E+00	2.427E+00	2.427E+00	0.000E+00	2.579E+00	2.579E+00	2.579E+00	3.087E+00
75.0	1.488E+00	1.849E+00	1.847E+00	1.847E+00	0.000E+00	1.971E+00	1.971E+00	1.971E+00	2.996E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.287E-05	4.178E-05	4.178E-05	4.168E-05
2.5	1.524E-05	2.202E-05	2.202E-05	2.197E-05
3.5	8.535E-06	1.161E-05	1.161E-05	1.159E-05
4.5	5.424E-06	7.194E-06	7.194E-06	7.198E-06
7.5	2.073E-06	2.658E-06	2.658E-06	2.684E-06
15.0	5.445E-07	6.839E-07	6.839E-07	7.208E-07
25.0	2.053E-07	2.560E-07	2.560E-07	2.942E-07
35.0	1.099E-07	1.365E-07	1.365E-07	1.743E-07
45.0	6.864E-08	8.512E-08	8.511E-08	1.219E-07
55.0	4.700E-08	5.829E-08	5.829E-08	9.406E-08
65.0	3.422E-08	4.247E-08	4.247E-08	7.722E-08
75.0	2.603E-08	3.233E-08	3.233E-08	6.608E-08

TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.114E-04	9.733E-04	9.732E-04	9.710E-04	1.408E+01	1.348E+01	7.011E+00	3.773E+00	4.553E-06	6.350E-05
2.5	2.718E-04	4.082E-04	4.082E-04	4.073E-04	6.497E+00	6.369E+00	4.052E+00	2.693E+00	5.146E-06	3.715E-05
3.5	1.449E-04	2.106E-04	2.105E-04	2.101E-04	3.744E+00	3.708E+00	2.665E+00	1.999E+00	5.471E-06	2.479E-05
4.5	8.702E-05	1.264E-04	1.264E-04	1.261E-04	2.602E+00	2.589E+00	2.003E+00	1.611E+00	5.851E-06	1.883E-05
7.5	2.799E-05	4.039E-05	4.039E-05	4.030E-05	1.181E+00	1.181E+00	1.027E+00	9.062E-01	6.061E-06	9.805E-06
15.0	5.371E-06	7.559E-06	7.558E-06	7.541E-06	3.919E-01	3.921E-01	3.757E-01	3.562E-01	5.418E-06	3.637E-06
25.0	1.659E-06	2.234E-06	2.234E-06	2.229E-06	1.770E-01	1.771E-01	1.754E-01	1.723E-01	4.747E-06	1.714E-06
35.0	8.039E-07	1.045E-06	1.045E-06	1.043E-06	1.067E-01	1.067E-01	1.067E-01	1.061E-01	4.342E-06	1.047E-06
45.0	4.692E-07	5.951E-07	5.951E-07	5.937E-07	7.329E-02	7.333E-02	7.352E-02	7.348E-02	4.044E-06	7.224E-07
55.0	3.047E-07	3.796E-07	3.796E-07	3.787E-07	5.429E-02	5.432E-02	5.453E-02	5.461E-02	3.809E-06	5.361E-07
65.0	2.122E-07	2.610E-07	2.610E-07	2.604E-07	4.222E-02	4.224E-02	4.244E-02	4.254E-02	3.615E-06	4.174E-07
75.0	1.555E-07	1.895E-07	1.895E-07	1.891E-07	3.405E-02	3.407E-02	3.423E-02	3.434E-02	3.456E-06	3.367E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	3.496E+02	5.565E+02	5.561E+02	5.561E+02	0.000E+00	5.668E+02	5.668E+02	5.668E+02	1.210E+00
2.5	1.554E+02	2.334E+02	2.333E+02	2.333E+02	0.000E+00	2.383E+02	2.383E+02	2.383E+02	1.368E+00
3.5	8.286E+01	1.204E+02	1.203E+02	1.203E+02	0.000E+00	1.233E+02	1.233E+02	1.233E+02	1.454E+00
4.5	4.976E+01	7.227E+01	7.223E+01	7.223E+01	0.000E+00	7.428E+01	7.428E+01	7.428E+01	1.555E+00
7.5	1.600E+01	2.309E+01	2.308E+01	2.308E+01	0.000E+00	2.402E+01	2.402E+01	2.402E+01	1.610E+00
15.0	3.071E+00	4.322E+00	4.319E+00	4.319E+00	0.000E+00	4.630E+00	4.630E+00	4.630E+00	1.440E+00
25.0	9.488E-01	1.277E+00	1.277E+00	1.277E+00	0.000E+00	1.417E+00	1.417E+00	1.417E+00	1.261E+00
35.0	4.597E-01	5.976E-01	5.972E-01	5.972E-01	0.000E+00	6.817E-01	6.817E-01	6.817E-01	1.154E+00
45.0	2.683E-01	3.403E-01	3.401E-01	3.401E-01	0.000E+00	3.981E-01	3.981E-01	3.981E-01	1.075E+00
55.0	1.742E-01	2.171E-01	2.169E-01	2.169E-01	0.000E+00	2.600E-01	2.600E-01	2.600E-01	1.012E+00
65.0	1.214E-01	1.492E-01	1.491E-01	1.491E-01	0.000E+00	1.826E-01	1.826E-01	1.826E-01	9.606E-01
75.0	8.890E-02	1.083E-01	1.083E-01	1.083E-01	0.000E+00	1.353E-01	1.353E-01	1.353E-01	9.182E-01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.114E-06	9.733E-06	9.732E-06	9.723E-06
2.5	2.718E-06	4.082E-06	4.082E-06	4.088E-06
3.5	1.449E-06	2.106E-06	2.105E-06	2.117E-06
4.5	8.702E-07	1.264E-06	1.264E-06	1.279E-06
7.5	2.799E-07	4.039E-07	4.039E-07	4.211E-07
15.0	5.371E-08	7.559E-08	7.558E-08	9.166E-08
25.0	1.659E-08	2.234E-08	2.234E-08	3.653E-08
35.0	8.039E-09	1.045E-08	1.045E-08	2.345E-08
45.0	4.692E-09	5.951E-09	5.951E-09	1.807E-08
55.0	3.047E-09	3.796E-09	3.796E-09	1.521E-08
65.0	2.122E-09	2.610E-09	2.610E-09	1.345E-08
75.0	1.555E-09	1.895E-09	1.895E-09	1.226E-08

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0  
 CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.080E-03	3.400E-03	3.400E-03	3.392E-03	1.795E+01	1.700E+01	9.622E+00	5.683E+00	8.060E-06	8.748E-05
2.5	1.386E-03	1.557E-03	1.557E-03	1.553E-03	1.139E+01	1.114E+01	7.458E+00	5.276E+00	1.154E-05	6.896E-05
3.5	7.593E-04	8.632E-04	8.632E-04	8.612E-04	7.971E+00	7.888E+00	5.824E+00	4.550E+00	1.400E-05	5.462E-05
4.5	4.690E-04	5.378E-04	5.378E-04	5.366E-04	5.986E+00	5.956E+00	4.679E+00	3.865E+00	1.567E-05	4.427E-05
7.5	1.650E-04	1.924E-04	1.924E-04	1.920E-04	3.228E+00	3.227E+00	2.800E+00	2.480E+00	1.801E-05	2.677E-05
15.0	3.785E-05	4.516E-05	4.516E-05	4.506E-05	1.343E+00	1.343E+00	1.277E+00	1.200E+00	1.870E-05	1.233E-05
25.0	1.326E-05	1.603E-05	1.603E-05	1.599E-05	6.955E-01	6.959E-01	6.859E-01	6.691E-01	1.807E-05	6.690E-06
35.0	6.995E-06	8.496E-06	8.496E-06	8.476E-06	4.514E-01	4.517E-01	4.504E-01	4.461E-01	1.749E-05	4.413E-06
45.0	4.339E-06	5.283E-06	5.282E-06	5.270E-06	3.244E-01	3.246E-01	3.251E-01	3.241E-01	1.685E-05	3.192E-06
55.0	2.954E-06	3.608E-06	3.608E-06	3.600E-06	2.492E-01	2.493E-01	2.502E-01	2.503E-01	1.633E-05	2.459E-06
65.0	2.137E-06	2.618E-06	2.618E-06	2.612E-06	1.991E-01	1.992E-01	2.001E-01	2.005E-01	1.583E-05	1.967E-06
75.0	1.615E-06	1.982E-06	1.982E-06	1.977E-06	1.635E-01	1.636E-01	1.644E-01	1.649E-01	1.535E-05	1.617E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.761E+03	1.944E+03	1.943E+03	1.943E+03	0.000E+00	1.956E+03	1.956E+03	1.956E+03	2.142E+00	
2.5	7.924E+02	8.902E+02	8.896E+02	8.896E+02	0.000E+00	8.985E+02	8.985E+02	8.985E+02	3.067E+00	
3.5	4.341E+02	4.936E+02	4.933E+02	4.933E+02	0.000E+00	4.995E+02	4.995E+02	4.995E+02	3.721E+00	
4.5	2.682E+02	3.075E+02	3.073E+02	3.073E+02	0.000E+00	3.121E+02	3.121E+02	3.121E+02	4.164E+00	
7.5	9.432E+01	1.100E+02	1.100E+02	1.100E+02	0.000E+00	1.125E+02	1.125E+02	1.125E+02	4.786E+00	
15.0	2.164E+01	2.582E+01	2.581E+01	2.581E+01	0.000E+00	2.687E+01	2.687E+01	2.687E+01	4.970E+00	
25.0	7.580E+00	9.166E+00	9.160E+00	9.160E+00	0.000E+00	9.711E+00	9.711E+00	9.711E+00	4.802E+00	
35.0	4.000E+00	4.858E+00	4.855E+00	4.855E+00	0.000E+00	5.213E+00	5.213E+00	5.213E+00	4.647E+00	
45.0	2.481E+00	3.021E+00	3.019E+00	3.019E+00	0.000E+00	3.276E+00	3.276E+00	3.276E+00	4.478E+00	
55.0	1.689E+00	2.063E+00	2.062E+00	2.062E+00	0.000E+00	2.259E+00	2.259E+00	2.259E+00	4.340E+00	
65.0	1.222E+00	1.497E+00	1.496E+00	1.496E+00	0.000E+00	1.654E+00	1.654E+00	1.654E+00	4.207E+00	
75.0	9.234E-01	1.133E+00	1.133E+00	1.133E+00	0.000E+00	1.262E+00	1.262E+00	1.262E+00	4.079E+00	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.080E-05	3.400E-05	3.400E-05	3.394E-05
2.5	1.386E-05	1.557E-05	1.557E-05	1.557E-05
3.5	7.593E-06	8.632E-06	8.632E-06	8.654E-06
4.5	4.690E-06	5.378E-06	5.378E-06	5.413E-06
7.5	1.650E-06	1.924E-06	1.924E-06	1.974E-06
15.0	3.785E-07	4.516E-07	4.516E-07	5.067E-07
25.0	1.326E-07	1.603E-07	1.603E-07	2.141E-07
35.0	6.995E-08	8.496E-08	8.496E-08	1.372E-07
45.0	4.339E-08	5.283E-08	5.283E-08	1.033E-07
55.0	2.954E-08	3.608E-08	3.608E-08	8.500E-08
65.0	2.137E-08	2.618E-08	2.618E-08	7.362E-08
75.0	1.615E-08	1.982E-08	1.982E-08	6.583E-08

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.181E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.053E-02	5.849E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.614E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.459E-02	3.092E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.353E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.669E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.374E-04	6.249E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.293E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.503E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 9.757E-02 PERSON-REM/YR



TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.797E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.167E-02	4.539E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.807E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.786E-01	2.401E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.835E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.886E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.833E-03	4.832E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.002E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.942E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 7.569E-01 PERSON-REM/YR



TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.047E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.570E-02	3.044E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.904E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.842E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.217E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.596E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.201E-03	3.057E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.122E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.227E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 5.016E-01 PERSON-REM/YR

TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.851E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.051E-01	1.266E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.472E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.461E+00	6.362E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.737E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.318E-02	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.494E-03	2.189E-03	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.750E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.612E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.024E+00 PERSON-REM/YR

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.239E-04	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.752E-04	3.164E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.975E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.977E-03	1.632E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.283E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.899E-05	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.268E-05	3.271E-06	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.629E-05	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.306E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 5.207E-03 PERSON-REM/YR

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.619E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.696E-03	1.078E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.220E-05	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.262E-02	5.541E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.794E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.036E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.532E-05	1.921E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.186E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.663E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.744E-02 PERSON-REM/YR

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.333E-02	8.850E-03	6.505E-03	5.090E-03	1.530E-02	1.564E-02	1.044E-02	8.685E-03	7.849E-03	7.422E-03	7.213E-03	7.129E-03
NNE	1.492E-02	1.028E-02	7.105E-03	5.558E-03	1.667E-02	1.726E-02	1.147E-02	9.323E-03	8.224E-03	7.604E-03	7.255E-03	7.070E-03
NE	1.756E-02	1.172E-02	8.086E-03	6.327E-03	1.928E-02	2.041E-02	1.356E-02	1.090E-02	9.514E-03	8.720E-03	8.236E-03	7.935E-03
ENE	1.464E-02	1.076E-02	7.324E-03	5.577E-03	1.641E-02	1.693E-02	1.122E-02	9.116E-03	8.025E-03	7.399E-03	7.027E-03	6.804E-03
E	7.540E-03	6.581E-03	4.873E-03	3.894E-03	1.210E-02	1.287E-02	8.577E-03	6.944E-03	6.099E-03	5.624E-03	5.346E-03	5.182E-03
ESE	4.207E-03	3.522E-03	2.932E-03	2.473E-03	8.433E-03	9.811E-03	6.721E-03	5.391E-03	4.647E-03	4.183E-03	3.877E-03	3.670E-03
SE	1.746E-03	1.171E-03	9.421E-04	7.975E-04	2.757E-03	3.238E-03	2.245E-03	1.815E-03	1.579E-03	1.435E-03	1.344E-03	1.284E-03
SSE	7.263E-04	4.304E-04	2.043E-04	1.546E-04	4.325E-04	4.314E-04	2.951E-04	2.442E-04	2.160E-04	1.980E-04	1.856E-04	1.767E-04
S	1.738E-03	1.221E-03	8.853E-04	6.865E-04	1.872E-03	1.574E-03	9.874E-04	8.456E-04	8.087E-04	8.117E-04	8.329E-04	8.643E-04
SSW	4.258E-03	3.369E-03	2.702E-03	2.226E-03	7.115E-03	7.526E-03	4.927E-03	3.959E-03	3.489E-03	3.247E-03	3.137E-03	3.102E-03
SW	6.038E-03	4.834E-03	3.893E-03	3.224E-03	1.043E-02	1.111E-02	7.293E-03	5.872E-03	5.194E-03	4.853E-03	4.687E-03	4.622E-03
WSW	5.671E-03	4.359E-03	3.404E-03	2.748E-03	8.415E-03	8.498E-03	5.676E-03	4.810E-03	4.437E-03	4.281E-03	4.238E-03	4.258E-03
W	6.193E-03	4.728E-03	3.672E-03	2.949E-03	8.911E-03	8.931E-03	6.046E-03	5.222E-03	4.895E-03	4.796E-03	4.804E-03	4.870E-03
WNW	8.252E-03	6.230E-03	4.850E-03	3.901E-03	1.178E-02	1.169E-02	7.784E-03	6.644E-03	6.201E-03	6.055E-03	6.062E-03	6.170E-03
NW	9.316E-03	6.882E-03	5.208E-03	4.177E-03	1.275E-02	1.296E-02	8.602E-03	7.212E-03	6.574E-03	6.269E-03	6.140E-03	6.111E-03
NNW	9.850E-03	6.965E-03	5.117E-03	4.051E-03	1.224E-02	1.249E-02	8.414E-03	7.073E-03	6.446E-03	6.134E-03	5.989E-03	5.940E-03

TOTAL DOSE COMMITMENT IS 1.199E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.610E-01	1.069E-01	7.857E-02	6.147E-02	1.847E-01	1.879E-01	1.244E-01	1.026E-01	9.190E-02	8.623E-02	8.322E-02	8.175E-02
NNE	1.800E-01	1.240E-01	8.575E-02	6.708E-02	2.011E-01	2.075E-01	1.371E-01	1.106E-01	9.683E-02	8.888E-02	8.424E-02	8.160E-02
NE	2.115E-01	1.412E-01	9.755E-02	7.634E-02	2.326E-01	2.456E-01	1.623E-01	1.297E-01	1.124E-01	1.024E-01	9.608E-02	9.204E-02
ENE	1.762E-01	1.295E-01	8.829E-02	6.726E-02	1.979E-01	2.036E-01	1.342E-01	1.083E-01	9.464E-02	8.666E-02	8.178E-02	7.873E-02
E	9.107E-02	7.938E-02	5.881E-02	4.701E-02	1.460E-01	1.548E-01	1.026E-01	8.250E-02	7.195E-02	6.589E-02	6.224E-02	5.997E-02
ESE	5.090E-02	4.258E-02	3.543E-02	2.988E-02	1.018E-01	1.182E-01	8.069E-02	6.443E-02	5.526E-02	4.949E-02	4.564E-02	4.299E-02
SE	2.108E-02	1.416E-02	1.140E-02	9.643E-03	3.330E-02	3.901E-02	2.692E-02	2.163E-02	1.870E-02	1.690E-02	1.573E-02	1.494E-02
SSE	8.719E-03	5.168E-03	2.458E-03	1.860E-03	5.195E-03	5.153E-03	3.502E-03	2.882E-03	2.536E-03	2.314E-03	2.160E-03	2.048E-03
S	2.095E-02	1.472E-02	1.067E-02	8.273E-03	2.250E-02	1.874E-02	1.155E-02	9.740E-03	9.202E-03	9.152E-03	9.330E-03	9.634E-03
SSW	5.146E-02	4.072E-02	3.265E-02	2.689E-02	8.585E-02	9.042E-02	5.871E-02	4.673E-02	4.080E-02	3.763E-02	3.608E-02	3.543E-02
SW	7.304E-02	5.846E-02	4.707E-02	3.897E-02	1.259E-01	1.336E-01	8.698E-02	6.939E-02	6.080E-02	5.631E-02	5.396E-02	5.286E-02
WSW	6.859E-02	5.271E-02	4.114E-02	3.321E-02	1.015E-01	1.020E-01	6.742E-02	5.652E-02	5.162E-02	4.937E-02	4.851E-02	4.844E-02
W	7.492E-02	5.717E-02	4.439E-02	3.564E-02	1.075E-01	1.071E-01	7.165E-02	6.120E-02	5.678E-02	5.514E-02	5.484E-02	5.525E-02
WNW	9.982E-02	7.534E-02	5.864E-02	4.714E-02	1.422E-01	1.402E-01	9.221E-02	7.776E-02	7.178E-02	6.945E-02	6.900E-02	6.980E-02
NW	1.127E-01	8.318E-02	6.294E-02	5.047E-02	1.539E-01	1.556E-01	1.023E-01	8.491E-02	7.669E-02	7.253E-02	7.052E-02	6.975E-02
NNW	1.191E-01	8.414E-02	6.181E-02	4.893E-02	1.477E-01	1.500E-01	1.002E-01	8.342E-02	7.537E-02	7.116E-02	6.900E-02	6.802E-02

TOTAL DOSE COMMITMENT IS 1.427E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.245E-03	3.483E-03	2.559E-03	2.002E-03	6.030E-03	6.200E-03	4.189E-03	3.528E-03	3.226E-03	3.083E-03	3.024E-03	3.013E-03
NNE	5.888E-03	4.060E-03	2.801E-03	2.190E-03	6.572E-03	6.835E-03	4.585E-03	3.765E-03	3.356E-03	3.133E-03	3.016E-03	2.962E-03
NE	6.958E-03	4.638E-03	3.192E-03	2.495E-03	7.602E-03	8.074E-03	5.405E-03	4.383E-03	3.862E-03	3.572E-03	3.402E-03	3.303E-03
ENE	5.805E-03	4.265E-03	2.897E-03	2.203E-03	6.475E-03	6.700E-03	4.479E-03	3.674E-03	3.266E-03	3.040E-03	2.912E-03	2.842E-03
E	2.968E-03	2.599E-03	1.922E-03	1.535E-03	4.769E-03	5.091E-03	3.422E-03	2.797E-03	2.481E-03	2.310E-03	2.215E-03	2.164E-03
ESE	1.648E-03	1.383E-03	1.152E-03	9.721E-04	3.318E-03	3.872E-03	2.667E-03	2.154E-03	1.870E-03	1.695E-03	1.582E-03	1.507E-03
SE	6.881E-04	4.592E-04	3.694E-04	3.129E-04	1.083E-03	1.278E-03	8.928E-04	7.276E-04	6.386E-04	5.856E-04	5.527E-04	5.319E-04
SSE	2.902E-04	1.719E-04	8.105E-05	6.135E-05	1.719E-04	1.726E-04	1.191E-04	9.930E-05	8.843E-05	8.157E-05	7.692E-05	7.361E-05
S	6.881E-04	4.829E-04	3.499E-04	2.715E-04	7.423E-04	6.329E-04	4.066E-04	3.554E-04	3.452E-04	3.504E-04	3.625E-04	3.785E-04
SSW	1.672E-03	1.324E-03	1.062E-03	8.754E-04	2.803E-03	2.983E-03	1.976E-03	1.609E-03	1.437E-03	1.353E-03	1.321E-03	1.318E-03
SW	2.367E-03	1.896E-03	1.528E-03	1.266E-03	4.103E-03	4.400E-03	2.921E-03	2.383E-03	2.136E-03	2.019E-03	1.970E-03	1.960E-03
WSW	2.224E-03	1.711E-03	1.337E-03	1.080E-03	3.313E-03	3.373E-03	2.287E-03	1.967E-03	1.840E-03	1.796E-03	1.795E-03	1.818E-03
W	2.427E-03	1.854E-03	1.441E-03	1.158E-03	3.508E-03	3.551E-03	2.444E-03	2.144E-03	2.037E-03	2.019E-03	2.042E-03	2.087E-03
WNW	3.235E-03	2.443E-03	1.903E-03	1.532E-03	4.639E-03	4.648E-03	3.148E-03	2.733E-03	2.588E-03	2.558E-03	2.586E-03	2.653E-03
NW	3.654E-03	2.703E-03	2.046E-03	1.642E-03	5.022E-03	5.145E-03	3.461E-03	2.941E-03	2.716E-03	2.619E-03	2.589E-03	2.598E-03
NNW	3.870E-03	2.740E-03	2.013E-03	1.594E-03	4.824E-03	4.957E-03	3.380E-03	2.878E-03	2.654E-03	2.553E-03	2.516E-03	2.515E-03

TOTAL DOSE COMMITMENT IS 4.815E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	6.479E-02	4.302E-02	3.161E-02	2.473E-02	7.440E-02	7.617E-02	5.106E-02	4.264E-02	3.869E-02	3.671E-02	3.579E-02	3.547E-02
NNE	7.269E-02	5.011E-02	3.458E-02	2.704E-02	8.109E-02	8.405E-02	5.602E-02	4.568E-02	4.044E-02	3.751E-02	3.589E-02	3.507E-02
NE	8.582E-02	5.722E-02	3.940E-02	3.080E-02	9.380E-02	9.937E-02	6.618E-02	5.334E-02	4.670E-02	4.293E-02	4.066E-02	3.928E-02
ENE	7.159E-02	5.260E-02	3.574E-02	2.718E-02	7.988E-02	8.243E-02	5.479E-02	4.465E-02	3.943E-02	3.647E-02	3.473E-02	3.372E-02
E	3.666E-02	3.208E-02	2.372E-02	1.895E-02	5.885E-02	6.265E-02	4.187E-02	3.400E-02	2.996E-02	2.771E-02	2.642E-02	2.568E-02
ESE	2.038E-02	1.709E-02	1.424E-02	1.201E-02	4.097E-02	4.772E-02	3.275E-02	2.633E-02	2.274E-02	2.052E-02	1.906E-02	1.808E-02
SE	8.497E-03	5.676E-03	4.566E-03	3.866E-03	1.338E-02	1.574E-02	1.094E-02	8.871E-03	7.740E-03	7.058E-03	6.626E-03	6.344E-03
SSE	3.573E-03	2.116E-03	9.988E-04	7.557E-04	2.113E-03	2.110E-03	1.446E-03	1.200E-03	1.063E-03	9.766E-04	9.173E-04	8.747E-04
S	8.489E-03	5.957E-03	4.317E-03	3.348E-03	9.135E-03	7.713E-03	4.874E-03	4.201E-03	4.038E-03	4.068E-03	4.186E-03	4.352E-03
SSW	2.066E-02	1.636E-02	1.312E-02	1.081E-02	3.458E-02	3.665E-02	2.409E-02	1.944E-02	1.721E-02	1.608E-02	1.559E-02	1.546E-02
SW	2.926E-02	2.343E-02	1.888E-02	1.564E-02	5.064E-02	5.409E-02	3.563E-02	2.881E-02	2.560E-02	2.401E-02	2.327E-02	2.302E-02
WSW	2.749E-02	2.114E-02	1.651E-02	1.334E-02	4.087E-02	4.139E-02	2.779E-02	2.367E-02	2.193E-02	2.124E-02	2.110E-02	2.126E-02
W	3.000E-02	2.292E-02	1.781E-02	1.431E-02	4.327E-02	4.352E-02	2.963E-02	2.573E-02	2.423E-02	2.383E-02	2.395E-02	2.434E-02
WNW	3.999E-02	3.020E-02	2.352E-02	1.892E-02	5.722E-02	5.698E-02	3.815E-02	3.275E-02	3.072E-02	3.012E-02	3.025E-02	3.088E-02
NW	4.516E-02	3.340E-02	2.528E-02	2.028E-02	6.195E-02	6.315E-02	4.209E-02	3.545E-02	3.245E-02	3.106E-02	3.052E-02	3.046E-02
NNW	4.782E-02	3.385E-02	2.486E-02	1.968E-02	5.951E-02	6.086E-02	4.116E-02	3.474E-02	3.179E-02	3.036E-02	2.973E-02	2.957E-02

TOTAL DOSE COMMITMENT IS 5.865E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	4.408E-04	2.926E-04	2.154E-04	1.687E-04	5.051E-04	5.054E-04	3.242E-04	2.578E-04	2.226E-04	2.017E-04	1.884E-04	1.798E-04
NNE	4.854E-04	3.331E-04	2.328E-04	1.825E-04	5.477E-04	5.594E-04	3.607E-04	2.827E-04	2.400E-04	2.137E-04	1.966E-04	1.851E-04
NE	5.588E-04	3.759E-04	2.631E-04	2.069E-04	6.330E-04	6.639E-04	4.303E-04	3.354E-04	2.830E-04	2.506E-04	2.288E-04	2.136E-04
ENE	4.635E-04	3.408E-04	2.357E-04	1.810E-04	5.368E-04	5.495E-04	3.546E-04	2.783E-04	2.362E-04	2.100E-04	1.927E-04	1.806E-04
E	2.493E-04	2.135E-04	1.594E-04	1.278E-04	3.978E-04	4.184E-04	2.713E-04	2.124E-04	1.799E-04	1.599E-04	1.468E-04	1.377E-04
ESE	1.424E-04	1.179E-04	9.766E-05	8.226E-05	2.797E-04	3.221E-04	2.166E-04	1.698E-04	1.428E-04	1.252E-04	1.131E-04	1.043E-04
SE	5.730E-05	3.944E-05	3.177E-05	2.683E-05	9.203E-05	1.064E-04	7.191E-05	5.645E-05	4.760E-05	4.192E-05	3.804E-05	3.527E-05
SSE	2.204E-05	1.313E-05	6.470E-06	4.905E-06	1.372E-05	1.345E-05	8.948E-06	7.210E-06	6.216E-06	5.559E-06	5.091E-06	4.738E-06
S	5.565E-05	3.936E-05	2.863E-05	2.216E-05	5.986E-05	4.810E-05	2.768E-05	2.180E-05	1.943E-05	1.844E-05	1.813E-05	1.820E-05
SSW	1.423E-04	1.125E-04	9.001E-05	7.401E-05	2.352E-04	2.436E-04	1.532E-04	1.173E-04	9.830E-05	8.713E-05	8.046E-05	7.638E-05
SW	2.040E-04	1.628E-04	1.308E-04	1.081E-04	3.471E-04	3.618E-04	2.280E-04	1.750E-04	1.473E-04	1.311E-04	1.211E-04	1.148E-04
WSW	1.910E-04	1.464E-04	1.141E-04	9.188E-05	2.792E-04	2.742E-04	1.738E-04	1.392E-04	1.216E-04	1.116E-04	1.058E-04	1.023E-04
W	2.094E-04	1.593E-04	1.234E-04	9.880E-05	2.958E-04	2.867E-04	1.830E-04	1.489E-04	1.320E-04	1.229E-04	1.179E-04	1.151E-04
WNW	2.784E-04	2.099E-04	1.630E-04	1.307E-04	3.914E-04	3.755E-04	2.350E-04	1.882E-04	1.653E-04	1.530E-04	1.463E-04	1.432E-04
NW	3.138E-04	2.301E-04	1.740E-04	1.393E-04	4.221E-04	4.180E-04	2.646E-04	2.109E-04	1.829E-04	1.665E-04	1.564E-04	1.500E-04
NNW	3.287E-04	2.307E-04	1.698E-04	1.343E-04	4.036E-04	4.026E-04	2.599E-04	2.085E-04	1.815E-04	1.653E-04	1.552E-04	1.485E-04

TOTAL DOSE COMMITMENT IS 3.703E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.814E-03	3.859E-03	2.839E-03	2.221E-03	6.640E-03	6.596E-03	4.171E-03	3.259E-03	2.764E-03	2.458E-03	2.255E-03	2.115E-03
NNE	6.433E-03	4.419E-03	3.077E-03	2.410E-03	7.214E-03	7.318E-03	4.665E-03	3.606E-03	3.016E-03	2.643E-03	2.393E-03	2.219E-03
NE	7.456E-03	5.003E-03	3.486E-03	2.736E-03	8.345E-03	8.700E-03	5.586E-03	4.303E-03	3.584E-03	3.130E-03	2.818E-03	2.594E-03
ENE	6.194E-03	4.553E-03	3.134E-03	2.399E-03	7.083E-03	7.198E-03	4.596E-03	3.562E-03	2.981E-03	2.611E-03	2.359E-03	2.179E-03
E	3.288E-03	2.832E-03	2.109E-03	1.688E-03	5.242E-03	5.481E-03	3.517E-03	2.718E-03	2.271E-03	1.989E-03	1.798E-03	1.662E-03
ESE	1.865E-03	1.549E-03	1.285E-03	1.083E-03	3.679E-03	4.225E-03	2.824E-03	2.197E-03	1.830E-03	1.589E-03	1.420E-03	1.296E-03
SE	7.575E-04	5.173E-04	4.165E-04	3.519E-04	1.208E-03	1.393E-03	9.344E-04	7.262E-04	6.054E-04	5.267E-04	4.719E-04	4.319E-04
SSE	2.983E-04	1.773E-04	8.621E-05	6.519E-05	1.810E-04	1.747E-04	1.145E-04	9.115E-05	7.772E-05	6.877E-05	6.233E-05	5.743E-05
S	7.409E-04	5.227E-04	3.795E-04	2.935E-04	7.898E-04	6.224E-04	3.445E-04	2.604E-04	2.234E-04	2.053E-04	1.965E-04	1.931E-04
SSW	1.871E-03	1.479E-03	1.184E-03	9.731E-04	3.089E-03	3.178E-03	1.969E-03	1.480E-03	1.216E-03	1.055E-03	9.540E-04	8.877E-04
SW	2.673E-03	2.135E-03	1.716E-03	1.418E-03	4.552E-03	4.717E-03	2.933E-03	2.214E-03	1.826E-03	1.592E-03	1.441E-03	1.340E-03
WSW	2.505E-03	1.921E-03	1.497E-03	1.206E-03	3.659E-03	3.565E-03	2.220E-03	1.741E-03	1.486E-03	1.335E-03	1.238E-03	1.175E-03
W	2.743E-03	2.088E-03	1.618E-03	1.296E-03	3.874E-03	3.720E-03	2.327E-03	1.850E-03	1.602E-03	1.457E-03	1.367E-03	1.309E-03
WNW	3.650E-03	2.752E-03	2.137E-03	1.714E-03	5.127E-03	4.873E-03	2.986E-03	2.331E-03	1.995E-03	1.801E-03	1.682E-03	1.613E-03
NW	4.116E-03	3.024E-03	2.286E-03	1.830E-03	5.537E-03	5.441E-03	3.388E-03	2.649E-03	2.250E-03	2.007E-03	1.848E-03	1.740E-03
NNW	4.324E-03	3.041E-03	2.236E-03	1.768E-03	5.304E-03	5.248E-03	3.337E-03	2.630E-03	2.246E-03	2.008E-03	1.850E-03	1.741E-03

TOTAL DOSE COMMITMENT IS 4.762E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 1, 25-YEAR ACTION PERIO

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	9.757E-02	7.569E-01	5.016E-01	5.899E-02	3.402E-02	2.024E+00
GROUND	5.207E-03	5.207E-03	5.207E-03	5.207E-03	5.207E-03	5.207E-03
CLOUD	1.744E-02	1.744E-02	1.744E-02	1.744E-02	1.744E-02	1.744E-02
VEG. ING	5.994E-01	7.138E+00	5.994E-01	1.791E+00	1.579E+00	5.994E-01
MEAT ING	2.044E-02	2.490E-01	2.044E-02	6.496E-02	5.477E-02	2.044E-02
MILK ING	1.946E-02	2.502E-01	1.946E-02	3.593E-02	4.602E-02	1.946E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	7.595E-01	8.416E+00	1.164E+00	1.974E+00	1.737E+00	2.686E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	5.994E-01	7.137E+00	5.994E-01	1.791E+00	1.579E+00	5.994E-01
MEAT ING	4.610E-01	5.616E+00	4.610E-01	1.465E+00	1.235E+00	4.610E-01
MILK ING	1.757E-02	2.260E-01	1.757E-02	3.244E-02	4.156E-02	1.757E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.078E+00	1.298E+01	1.078E+00	3.288E+00	2.856E+00	1.078E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	9.757E-02	7.569E-01	5.016E-01	5.899E-02	3.402E-02	2.024E+00
GROUND	5.207E-03	5.207E-03	5.207E-03	5.207E-03	5.207E-03	5.207E-03
CLOUD	1.744E-02	1.744E-02	1.744E-02	1.744E-02	1.744E-02	1.744E-02
VEG. ING	1.199E+00	1.427E+01	1.199E+00	3.582E+00	3.159E+00	1.199E+00
MEAT ING	4.815E-01	5.865E+00	4.815E-01	1.530E+00	1.290E+00	4.815E-01
MILK ING	3.703E-02	4.762E-01	3.703E-02	6.837E-02	8.758E-02	3.703E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.838E+00	2.140E+01	2.242E+00	5.262E+00	4.593E+00	3.764E+00



NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	1.176E-05	1.480E-05	1.480E-05	1.476E-05	6.723E+00	8.460E+00	8.455E+00	8.455E+00
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.176E-05	1.480E-05	1.480E-05	1.476E-05	6.723E+00	8.460E+00	8.455E+00	8.455E+00
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.026E-01	1.045E-01	1.045E-01	1.042E-01	5.864E+04	5.974E+04	5.970E+04	5.970E+04
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.026E-01	1.045E-01	1.045E-01	1.042E-01	5.864E+04	5.974E+04	5.970E+04	5.970E+04
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	2.883E-03	4.137E-03	4.137E-03	4.127E-03	1.649E+03	2.365E+03	2.364E+03	2.364E+03
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.883E-03	4.137E-03	4.137E-03	4.127E-03	1.649E+03	2.365E+03	2.364E+03	2.364E+03
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.267E-03	3.263E-03	3.263E-03	3.255E-03	1.296E+03	1.866E+03	1.865E+03	1.865E+03
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.267E-03	3.263E-03	3.263E-03	3.255E-03	1.296E+03	1.866E+03	1.865E+03	1.865E+03
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.291E-02	1.402E-02	1.402E-02	1.399E-02	7.385E+03	8.019E+03	8.014E+03	8.014E+03
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.291E-02	1.402E-02	1.402E-02	1.399E-02	7.385E+03	8.019E+03	8.014E+03	8.014E+03
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.194E-02	3.433E-02	3.433E-02	3.425E-02	1.826E+04	1.963E+04	1.962E+04	1.962E+04
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.194E-02	3.433E-02	3.433E-02	3.425E-02	1.826E+04	1.963E+04	1.962E+04	1.962E+04
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.174E-03	4.746E-03	4.746E-03	4.735E-03	1.815E+03	2.714E+03	2.712E+03	2.712E+03
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.174E-03	4.746E-03	4.746E-03	4.735E-03	1.815E+03	2.714E+03	2.712E+03	2.712E+03
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.152E-03	9.242E-03	9.242E-03	9.220E-03	4.661E+03	5.284E+03	5.281E+03	5.281E+03
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		8.152E-03	9.242E-03	9.242E-03	9.220E-03	4.661E+03	5.284E+03	5.281E+03	5.281E+03

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
9	Restricted Area Boun	2	2.898E-02	3.028E-02	3.028E-02	3.021E-02	1.657E+04	1.731E+04	1.730E+04	
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		2.898E-02	3.028E-02	3.028E-02	3.021E-02	1.657E+04	1.731E+04	1.730E+04	
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
10	Bailroil	2	1.154E-05	1.460E-05	1.460E-05	1.457E-05	6.600E+00	8.348E+00	8.342E+00	
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.154E-05	1.460E-05	1.460E-05	1.457E-05	6.600E+00	8.348E+00	8.342E+00	
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
11	Jeffrey City	2	1.102E-05	1.367E-05	1.367E-05	1.364E-05	6.302E+00	7.815E+00	7.810E+00	
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.102E-05	1.367E-05	1.367E-05	1.364E-05	6.302E+00	7.815E+00	7.810E+00	
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
12	Rawlins	2	2.243E-06	2.795E-06	2.795E-06	2.788E-06	1.283E+00	1.598E+00	1.597E+00	
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		2.243E-06	2.795E-06	2.795E-06	2.788E-06	1.283E+00	1.598E+00	1.597E+00	
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
13	Special Receptor #1	2	4.682E-03	8.775E-03	8.775E-03	8.754E-03	2.677E+03	5.017E+03	5.014E+03	
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		4.682E-03	8.775E-03	8.775E-03	8.754E-03	2.677E+03	5.017E+03	5.014E+03	
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
14	Special Receptor #2	2	1.882E-03	2.777E-03	2.777E-03	2.770E-03	1.076E+03	1.588E+03	1.587E+03	
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.882E-03	2.777E-03	2.777E-03	2.770E-03	1.076E+03	1.588E+03	1.587E+03	

NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS							GROUND CONCENTRATIONS, PCI/M2				
	AIRBORNE CONCENTRATIONS, PCI/M3											
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	7.249E-01	7.253E-01	7.030E-01	6.717E-01	1.675E-05	4.567E-07	3.250E-10	6.817E-06	5.745E-01	5.745E-01	5.745E-01	4.451E+00
2	7.314E+01	6.366E+01	2.098E+01	6.276E+00	2.947E-06	1.669E-09	2.731E-14	1.953E-04	5.042E+01	5.042E+01	5.042E+01	7.832E-01
3	3.553E+01	3.164E+01	1.102E+01	3.681E+00	2.036E-06	1.349E-09	2.569E-14	1.022E-04	2.506E+01	2.506E+01	2.506E+01	5.411E-01
4	3.190E+01	2.440E+01	6.416E+00	1.938E+00	1.070E-06	7.923E-10	1.898E-14	6.490E-05	1.933E+01	1.933E+01	1.933E+01	2.843E-01
5	3.353E+01	3.039E+01	1.229E+01	4.739E+00	3.165E-06	2.495E-09	5.617E-14	1.113E-04	2.407E+01	2.407E+01	2.407E+01	8.410E-01
6	7.277E+01	5.746E+01	1.410E+01	3.198E+00	1.076E-06	4.443E-10	5.357E-15	1.426E-04	4.551E+01	4.551E+01	4.551E+01	2.859E-01
7	4.554E+01	3.975E+01	1.261E+01	3.814E+00	1.853E-06	1.086E-09	1.836E-14	1.191E-04	3.149E+01	3.149E+01	3.149E+01	4.923E-01
8	3.219E+01	2.897E+01	1.106E+01	4.065E+00	2.555E-06	1.907E-09	4.073E-14	1.011E-04	2.294E+01	2.294E+01	2.294E+01	6.789E-01
9	4.414E+01	3.915E+01	1.528E+01	5.564E+00	3.397E-06	2.461E-09	5.111E-14	1.386E-04	3.101E+01	3.101E+01	3.101E+01	9.027E-01
10	7.716E-01	7.721E-01	7.575E-01	7.345E-01	2.341E-05	8.161E-07	7.486E-10	7.375E-06	6.115E-01	6.115E-01	6.115E-01	6.221E+00
11	2.490E-01	2.492E-01	2.478E-01	2.443E-01	1.077E-05	5.317E-07	7.055E-10	2.425E-06	1.974E-01	1.974E-01	1.974E-01	2.862E+00
12	1.209E-01	1.209E-01	1.203E-01	1.186E-01	5.899E-06	3.551E-07	5.903E-10	1.177E-06	9.578E-02	9.578E-02	9.578E-02	1.567E+00
13	1.163E+02	8.144E+01	1.502E+01	2.926E+00	1.009E-06	5.621E-10	1.174E-14	1.710E-04	6.451E+01	6.451E+01	6.451E+01	2.681E-01
14	3.555E+01	3.227E+01	1.401E+01	6.727E+00	6.951E-06	8.590E-09	3.104E-13	1.293E-04	2.556E+01	2.556E+01	2.556E+01	1.847E+00

NUMBER 1 NAME-Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222 (WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.18E-05	1.18E-05	1.48E-05	1.48E-05	6.82E-06	3.15E-05	1.52E-05	1.48E-05
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.35E-06	2.94E-06	1.85E-04	7.40E-06	2.05E-04	7.88E-06	7.61E-08	2.11E-06

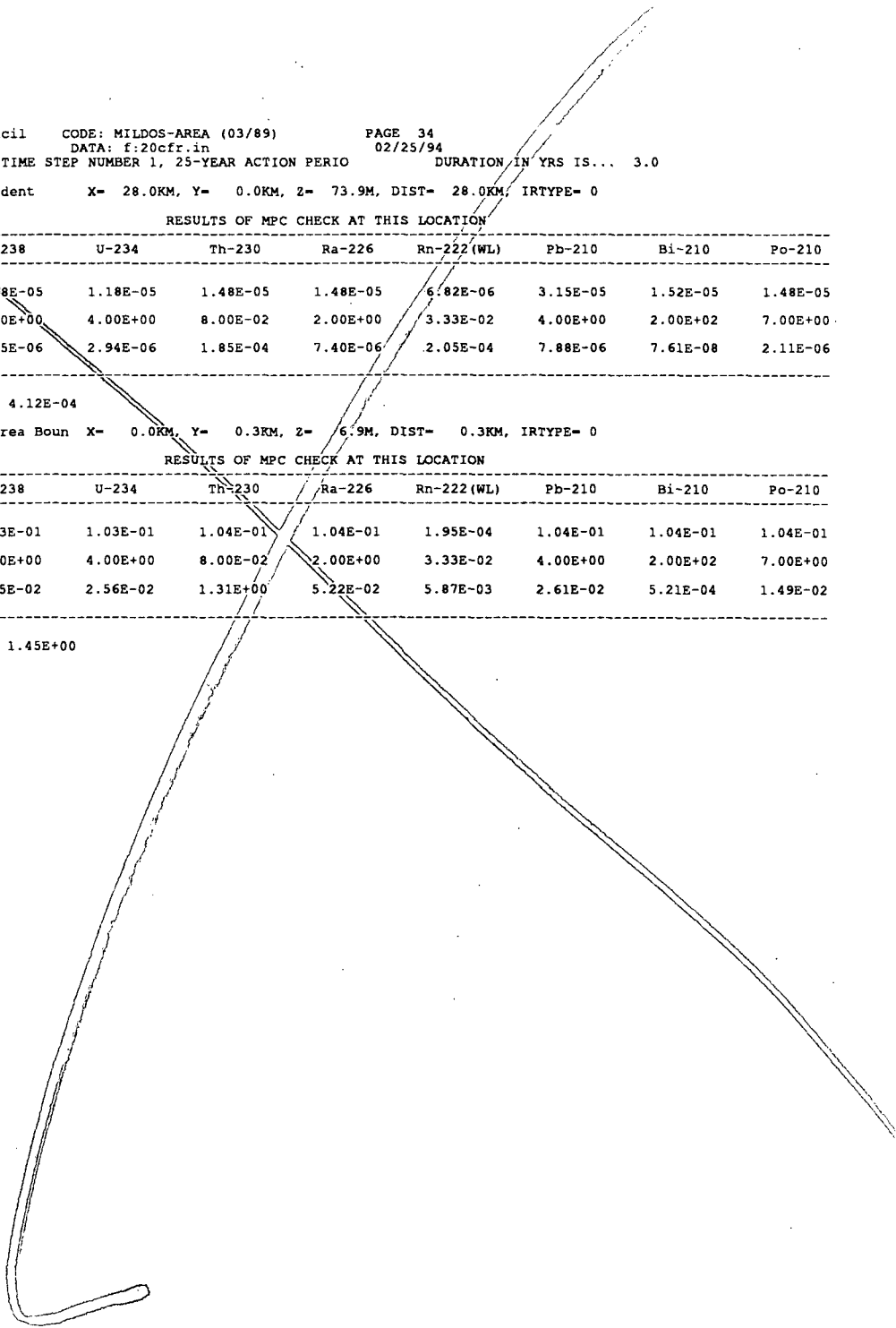
SUM OF FRACTIONS EQUALS 4.12E-04

NUMBER 2 NAME-Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222 (WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.04E-01	1.04E-01	1.95E-04	1.04E-01	1.04E-01	1.04E-01
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.05E-02	2.56E-02	1.31E+00	5.22E-02	5.87E-03	2.61E-02	5.21E-04	1.49E-02

SUM OF FRACTIONS EQUALS 1.45E+00





REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

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TIME STEP NUMBER 1, Cell 1 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 1 NAME=Nearest Resident X= 28.0KM Y= 0.0KM Z= 73.9M DIST= 28.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.18E-05	1.18E-05	1.48E-05	1.48E-05	6.82E-06	3.15E-05	1.52E-05	1.48E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.97E-04	2.36E-04	4.93E-04	1.64E-05	6.20E-03	5.25E-05	3.80E-07	1.64E-05
SUM OF FRACTIONS EQUALS	7.21E-03							

NUMBER 2 NAME=-N Permit Area Boun X= 0.0KM Y= 0.3KM Z= 6.9M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.04E-01	1.04E-01	1.95E-04	1.04E-01	1.04E-01	1.04E-01
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.72E+00	2.06E+00	3.47E+00	1.16E-01	1.77E-01	1.73E-01	2.60E-03	1.16E-01
SUM OF FRACTIONS EQUALS	7.83E+00							

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

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TIME STEP NUMBER 1, Cell 1 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 3 NAME= S Permit Area Boun X= 0.0KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION.

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.88E-03	2.88E-03	4.14E-03	4.14E-03	1.02E-04	4.13E-03	4.13E-03	4.13E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.80E-02	5.76E-02	1.38E-01	4.60E-03	9.27E-02	6.88E-03	1.03E-04	4.59E-03

SUM OF FRACTIONS EQUALS 3.53E-01

NUMBER 4 NAME= E Permit Area Boun X= 1.9KM Y= 0.0KM Z= -0.8M DIST= 1.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.27E-03	2.27E-03	3.26E-03	3.26E-03	6.49E-05	3.26E-03	3.26E-03	3.26E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	3.78E-02	4.54E-02	1.09E-01	3.62E-03	5.90E-02	5.43E-03	8.15E-05	3.62E-03

SUM OF FRACTIONS EQUALS 2.64E-01

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

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TIME STEP NUMBER 1, Cell 1 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 5 NAME= W Permit Area Boun X= -0.3KM Y= 0.0KM Z= -3.8M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.29E-02	1.29E-02	1.40E-02	1.40E-02	1.11E-04	1.40E-02	1.40E-02	1.40E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.15E-01	2.58E-01	4.67E-01	1.56E-02	1.01E-01	2.33E-02	3.50E-04	1.56E-02

SUM OF FRACTIONS EQUALS 1.10E+00

NUMBER 6 NAME= NE Permit Area Boun X= 0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.19E-02	3.19E-02	3.43E-02	3.43E-02	1.43E-04	3.43E-02	3.42E-02	3.42E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.32E-01	6.38E-01	1.14E+00	3.81E-02	1.30E-01	5.72E-02	8.55E-04	3.80E-02

SUM OF FRACTIONS EQUALS 2.58E+00

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 1, Cell 1 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 7 NAME= SE Permit Area Boun X= 0.2KM Y= -0.2KM Z= -0.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.17E-03	3.17E-03	4.75E-03	4.75E-03	1.19E-04	4.74E-03	4.73E-03	4.73E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.28E-02	6.34E-02	1.58E-01	5.28E-03	1.08E-01	7.90E-03	1.18E-04	5.26E-03

SUM OF FRACTIONS EQUALS 4.01E-01

NUMBER 8 NAME= SW Permit Area Boun X= -0.2KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.15E-03	8.15E-03	9.24E-03	9.24E-03	1.01E-04	9.22E-03	9.22E-03	9.22E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.36E-01	1.63E-01	3.08E-01	1.03E-02	9.18E-02	1.54E-02	2.31E-04	1.02E-02

SUM OF FRACTIONS EQUALS 7.35E-01

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

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TIME STEP NUMBER 1, Cell 1 full

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 9 NAME= NW Permit Area Boun X= -0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.90E-02	2.90E-02	3.03E-02	3.03E-02	1.39E-04	3.02E-02	3.02E-02	3.02E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.83E-01	5.80E-01	1.01E+00	3.37E-02	1.26E-01	5.03E-02	7.55E-04	3.36E-02

SUM OF FRACTIONS EQUALS 2.32E+00

NUMBER 10 NAME= Baroil X= 28.6KM Y= 21.6KM Z= 107.4M DIST= 35.8KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.15E-05	1.15E-05	1.46E-05	1.46E-05	7.38E-06	3.80E-05	1.54E-05	1.46E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.92E-04	2.30E-04	4.87E-04	1.62E-05	6.71E-03	6.33E-05	3.85E-07	1.62E-05

SUM OF FRACTIONS EQUALS 7.71E-03

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 1, Cell 1 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 11 NAME= Jeffrey City X= 7.0KM Y= 49.5KM Z= -75.4M DIST= 50.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.10E-05	1.10E-05	1.37E-05	1.37E-05	2.42E-06	2.44E-05	1.42E-05	1.36E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.83E-04	2.20E-04	4.57E-04	1.52E-05	2.20E-03	4.07E-05	3.55E-07	1.51E-05

SUM OF FRACTIONS EQUALS 3.13E-03

NUMBER 12 NAME= Rawlins X= 54.6KM Y= -27.9KM Z= 37.0M DIST= 61.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.24E-06	2.24E-06	2.79E-06	2.79E-06	1.18E-06	8.69E-06	3.14E-06	2.79E-06
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	3.73E-05	4.48E-05	9.30E-05	3.10E-06	1.07E-03	1.45E-05	7.85E-08	3.10E-06

SUM OF FRACTIONS EQUALS 1.27E-03

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 1, Cell 1 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 13 NAME= Special Receptor #1 X= 1.4KM Y= 1.0KM Z= 0.8M DIST= 1.7KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	4.68E-03	4.68E-03	8.77E-03	8.77E-03	1.71E-04	8.76E-03	8.75E-03	8.75E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	7.80E-02	9.36E-02	2.92E-01	9.74E-03	1.55E-01	1.46E-02	2.19E-04	9.72E-03

SUM OF FRACTIONS EQUALS 6.54E-01

NUMBER 14 NAME= Special Receptor #2 X= 2.0KM Y= 2.1KM Z= 0.8M DIST= 2.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.88E-03	1.88E-03	2.78E-03	2.78E-03	1.29E-04	2.78E-03	2.77E-03	2.77E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	3.13E-02	3.76E-02	9.27E-02	3.09E-03	1.17E-01	4.63E-03	6.93E-05	3.08E-03

SUM OF FRACTIONS EQUALS 2.90E-01

TIME STEP NUMBER 2, 4NWARA

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.297E-03	1.407E-02	1.407E-02	1.404E-02	1.540E+02	1.415E+02	5.862E+01	2.310E+01	1.591E-05	5.292E-04
2.5	2.507E-03	5.595E-03	5.595E-03	5.582E-03	7.359E+01	7.022E+01	3.827E+01	2.122E+01	2.604E-05	3.455E-04
3.5	1.326E-03	2.864E-03	2.864E-03	2.857E-03	4.355E+01	4.247E+01	2.729E+01	1.846E+01	3.578E-05	2.509E-04
4.5	8.104E-04	1.703E-03	1.703E-03	1.699E-03	2.926E+01	2.886E+01	2.050E+01	1.549E+01	4.292E-05	1.914E-04
7.5	2.898E-04	6.059E-04	6.059E-04	6.045E-04	1.412E+01	1.408E+01	1.156E+01	9.893E+00	5.625E-05	1.100E-04
15.0	7.068E-05	1.474E-04	1.474E-04	1.471E-04	5.191E+00	5.193E+00	4.810E+00	4.426E+00	6.006E-05	4.625E-05
25.0	2.579E-05	5.373E-05	5.373E-05	5.360E-05	2.504E+00	2.506E+00	2.440E+00	2.348E+00	5.661E-05	2.371E-05
35.0	1.372E-05	2.858E-05	2.858E-05	2.852E-05	1.567E+00	1.568E+00	1.553E+00	1.526E+00	5.370E-05	1.518E-05
45.0	8.553E-06	1.782E-05	1.782E-05	1.778E-05	1.100E+00	1.101E+00	1.099E+00	1.090E+00	5.101E-05	1.077E-05
55.0	5.852E-06	1.220E-05	1.220E-05	1.217E-05	8.271E-01	8.276E-01	8.287E-01	8.261E-01	4.863E-05	8.135E-06
65.0	4.259E-06	8.882E-06	8.881E-06	8.861E-06	6.502E-01	6.506E-01	6.526E-01	6.524E-01	4.653E-05	6.412E-06
75.0	3.239E-06	6.759E-06	6.759E-06	6.743E-06	5.277E-01	5.280E-01	5.302E-01	5.309E-01	4.467E-05	5.212E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	6.795E+03	1.209E+04	1.208E+04	1.208E+04	0.000E+00	1.219E+04	1.219E+04	1.219E+04	5.561E+00
2.5	2.706E+03	4.810E+03	4.805E+03	4.805E+03	0.000E+00	4.860E+03	4.860E+03	4.860E+03	9.152E+00
3.5	1.434E+03	2.482E+03	2.479E+03	2.479E+03	0.000E+00	2.513E+03	2.513E+03	2.513E+03	1.259E+01
4.5	8.780E+02	1.486E+03	1.485E+03	1.485E+03	0.000E+00	1.508E+03	1.508E+03	1.508E+03	1.510E+01
7.5	3.140E+02	5.294E+02	5.289E+02	5.289E+02	0.000E+00	5.400E+02	5.400E+02	5.400E+02	1.981E+01
15.0	7.662E+01	1.289E+02	1.288E+02	1.288E+02	0.000E+00	1.329E+02	1.329E+02	1.329E+02	2.130E+01
25.0	2.796E+01	4.700E+01	4.695E+01	4.695E+01	0.000E+00	4.893E+01	4.893E+01	4.893E+01	2.023E+01
35.0	1.487E+01	2.500E+01	2.497E+01	2.497E+01	0.000E+00	2.621E+01	2.621E+01	2.621E+01	1.929E+01
45.0	9.271E+00	1.559E+01	1.557E+01	1.557E+01	0.000E+00	1.644E+01	1.644E+01	1.644E+01	1.840E+01
55.0	6.343E+00	1.067E+01	1.066E+01	1.066E+01	0.000E+00	1.131E+01	1.131E+01	1.131E+01	1.759E+01
65.0	4.616E+00	7.766E+00	7.758E+00	7.758E+00	0.000E+00	8.273E+00	8.273E+00	8.273E+00	1.687E+01
75.0	3.511E+00	5.909E+00	5.903E+00	5.903E+00	0.000E+00	6.321E+00	6.321E+00	6.321E+00	1.622E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.297E-05	1.407E-04	1.407E-04	1.404E-04
2.5	2.507E-05	5.595E-05	5.595E-05	5.590E-05
3.5	1.326E-05	2.864E-05	2.864E-05	2.868E-05
4.5	8.104E-06	1.703E-05	1.703E-05	1.712E-05
7.5	2.898E-06	6.059E-06	6.059E-06	6.213E-06
15.0	7.068E-07	1.474E-06	1.474E-06	1.651E-06
25.0	2.579E-07	5.373E-07	5.373E-07	7.059E-07
35.0	1.372E-07	2.858E-07	2.858E-07	4.463E-07
45.0	8.553E-08	1.782E-07	1.782E-07	3.308E-07
55.0	5.852E-08	1.220E-07	1.220E-07	2.676E-07
65.0	4.259E-08	8.882E-08	8.881E-08	2.282E-07
75.0	3.239E-08	6.759E-08	6.759E-08	2.014E-07



TIME STEP NUMBER 2, 4NWARA

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.088E-03	2.694E-02	2.694E-02	2.688E-02	3.123E+02	2.218E+02	3.914E+01	6.800E+00	1.837E-06	4.523E-04
2.5	2.933E-03	1.011E-02	1.011E-02	1.009E-02	1.359E+02	1.191E+02	4.529E+01	1.812E+01	1.344E-05	4.199E-04
3.5	1.537E-03	4.349E-03	4.349E-03	4.339E-03	6.439E+01	6.038E+01	3.084E+01	1.758E+01	2.467E-05	2.841E-04
4.5	9.544E-04	2.498E-03	2.498E-03	2.492E-03	4.076E+01	3.937E+01	2.344E+01	1.578E+01	3.412E-05	2.182E-04
7.5	3.565E-04	8.379E-04	8.379E-04	8.359E-04	1.697E+01	1.685E+01	1.237E+01	9.854E+00	4.780E-05	1.168E-04
15.0	9.310E-05	2.046E-04	2.046E-04	2.041E-04	5.659E+00	5.660E+00	4.967E+00	4.357E+00	5.139E-05	4.726E-05
25.0	3.515E-05	7.547E-05	7.547E-05	7.529E-05	2.632E+00	2.634E+00	2.501E+00	2.340E+00	4.836E-05	2.412E-05
35.0	1.879E-05	3.997E-05	3.997E-05	3.988E-05	1.618E+00	1.619E+00	1.583E+00	1.528E+00	4.584E-05	1.539E-05
45.0	1.173E-05	2.491E-05	2.491E-05	2.485E-05	1.132E+00	1.132E+00	1.121E+00	1.100E+00	4.376E-05	1.095E-05
55.0	8.035E-06	1.709E-05	1.709E-05	1.705E-05	8.529E-01	8.534E-01	8.507E-01	8.418E-01	4.206E-05	8.332E-06
65.0	5.851E-06	1.246E-05	1.246E-05	1.243E-05	6.720E-01	6.724E-01	6.726E-01	6.691E-01	4.047E-05	6.598E-06
75.0	4.452E-06	9.493E-06	9.493E-06	9.471E-06	5.464E-01	5.467E-01	5.480E-01	5.469E-01	3.900E-05	5.381E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	7.283E+03	2.081E+04	2.079E+04	2.079E+04	0.000E+00	2.097E+04	2.097E+04	2.097E+04	6.793E-01
2.5	3.048E+03	7.940E+03	7.933E+03	7.933E+03	0.000E+00	8.027E+03	8.027E+03	8.027E+03	4.757E+00
3.5	1.628E+03	3.545E+03	3.541E+03	3.541E+03	0.000E+00	3.589E+03	3.589E+03	3.589E+03	8.694E+00
4.5	1.018E+03	2.070E+03	2.068E+03	2.068E+03	0.000E+00	2.099E+03	2.099E+03	2.099E+03	1.200E+01
7.5	3.833E+02	7.113E+02	7.106E+02	7.106E+02	0.000E+00	7.239E+02	7.239E+02	7.239E+02	1.682E+01
15.0	1.006E+02	1.765E+02	1.764E+02	1.764E+02	0.000E+00	1.808E+02	1.808E+02	1.808E+02	1.822E+01
25.0	3.803E+01	6.551E+01	6.544E+01	6.544E+01	0.000E+00	6.752E+01	6.752E+01	6.752E+01	1.729E+01
35.0	2.034E+01	3.478E+01	3.474E+01	3.474E+01	0.000E+00	3.602E+01	3.602E+01	3.602E+01	1.648E+01
45.0	1.270E+01	2.168E+01	2.166E+01	2.166E+01	0.000E+00	2.255E+01	2.255E+01	2.255E+01	1.579E+01
55.0	8.699E+00	1.487E+01	1.485E+01	1.485E+01	0.000E+00	1.553E+01	1.553E+01	1.553E+01	1.522E+01
65.0	6.334E+00	1.084E+01	1.083E+01	1.083E+01	0.000E+00	1.136E+01	1.136E+01	1.136E+01	1.467E+01
75.0	4.819E+00	8.254E+00	8.245E+00	8.245E+00	0.000E+00	8.678E+00	8.678E+00	8.678E+00	1.416E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.088E-05	2.694E-04	2.694E-04	2.688E-04
2.5	2.933E-05	1.011E-04	1.011E-04	1.009E-04
3.5	1.537E-05	4.349E-05	4.349E-05	4.347E-05
4.5	9.544E-06	2.498E-05	2.498E-05	2.502E-05
7.5	3.565E-06	8.379E-06	8.379E-06	8.503E-06
15.0	9.310E-07	2.046E-06	2.046E-06	2.195E-06
25.0	3.515E-07	7.547E-07	7.547E-07	8.980E-07
35.0	1.879E-07	3.997E-07	3.997E-07	5.363E-07
45.0	1.173E-07	2.491E-07	2.491E-07	3.798E-07
55.0	8.035E-08	1.709E-07	1.709E-07	2.966E-07
65.0	5.851E-08	1.246E-07	1.246E-07	2.457E-07
75.0	4.452E-08	9.493E-08	9.493E-08	2.117E-07

TIME STEP NUMBER 2, 6NWARA

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.556E-03	8.013E-03	8.012E-03	7.994E-03	7.362E+01	4.854E+01	9.003E+00	1.869E+00	6.565E-07	1.026E-04
2.5	1.728E-03	5.119E-03	5.118E-03	5.106E-03	6.420E+01	5.454E+01	1.972E+01	8.123E+00	6.498E-06	1.865E-04
3.5	9.462E-04	2.482E-03	2.482E-03	2.476E-03	3.472E+01	3.223E+01	1.574E+01	8.968E+00	1.305E-05	1.464E-04
4.5	5.958E-04	1.481E-03	1.481E-03	1.477E-03	2.303E+01	2.217E+01	1.276E+01	8.529E+00	1.892E-05	1.193E-04
7.5	2.249E-04	5.177E-04	5.177E-04	5.165E-04	1.027E+01	1.020E+01	7.420E+00	5.877E+00	2.888E-05	7.005E-05
15.0	5.866E-05	1.284E-04	1.284E-04	1.281E-04	3.627E+00	3.629E+00	3.204E+00	2.818E+00	3.370E-05	3.049E-05
25.0	2.206E-05	4.742E-05	4.742E-05	4.731E-05	1.730E+00	1.732E+00	1.654E+00	1.556E+00	3.290E-05	1.597E-05
35.0	1.179E-05	2.512E-05	2.512E-05	2.506E-05	1.075E+00	1.076E+00	1.056E+00	1.024E+00	3.163E-05	1.028E-05
45.0	7.362E-06	1.560E-05	1.560E-05	1.557E-05	7.522E-01	7.527E-01	7.478E-01	7.362E-01	3.027E-05	7.313E-06
55.0	5.041E-06	1.069E-05	1.069E-05	1.066E-05	5.665E-01	5.669E-01	5.663E-01	5.621E-01	2.908E-05	5.551E-06
65.0	3.671E-06	7.799E-06	7.798E-06	7.780E-06	4.468E-01	4.471E-01	4.479E-01	4.465E-01	2.801E-05	4.397E-06
75.0	2.793E-06	5.944E-06	5.943E-06	5.930E-06	3.635E-01	3.638E-01	3.649E-01	3.648E-01	2.701E-05	3.586E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2						Pb-214	Bi-214	Pb-210
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218			
1.5	3.835E+03	6.872E+03	6.864E+03	6.864E+03	0.000E+00	6.903E+03	6.903E+03	6.903E+03	2.533E-01
2.5	1.823E+03	4.134E+03	4.129E+03	4.129E+03	0.000E+00	4.173E+03	4.173E+03	4.173E+03	2.309E+00
3.5	1.009E+03	2.055E+03	2.053E+03	2.053E+03	0.000E+00	2.079E+03	2.079E+03	2.079E+03	4.602E+00
4.5	6.381E+02	1.241E+03	1.240E+03	1.240E+03	0.000E+00	1.257E+03	1.257E+03	1.257E+03	6.652E+00
7.5	2.422E+02	4.417E+02	4.413E+02	4.413E+02	0.000E+00	4.493E+02	4.493E+02	4.493E+02	1.015E+01
15.0	6.339E+01	1.109E+02	1.108E+02	1.108E+02	0.000E+00	1.137E+02	1.137E+02	1.137E+02	1.194E+01
25.0	2.387E+01	4.115E+01	4.110E+01	4.110E+01	0.000E+00	4.247E+01	4.247E+01	4.247E+01	1.175E+01
35.0	1.277E+01	2.185E+01	2.182E+01	2.182E+01	0.000E+00	2.267E+01	2.267E+01	2.267E+01	1.135E+01
45.0	7.972E+00	1.359E+01	1.357E+01	1.357E+01	0.000E+00	1.417E+01	1.417E+01	1.417E+01	1.091E+01
55.0	5.459E+00	9.307E+00	9.297E+00	9.297E+00	0.000E+00	9.746E+00	9.746E+00	9.746E+00	1.051E+01
65.0	3.975E+00	6.787E+00	6.780E+00	6.780E+00	0.000E+00	7.134E+00	7.134E+00	7.134E+00	1.014E+01
75.0	3.024E+00	5.171E+00	5.165E+00	5.165E+00	0.000E+00	5.453E+00	5.453E+00	5.453E+00	9.796E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.556E-05	8.013E-05	8.012E-05	7.994E-05
2.5	1.728E-05	5.119E-05	5.118E-05	5.108E-05
3.5	9.462E-06	2.482E-05	2.482E-05	2.480E-05
4.5	5.958E-06	1.481E-05	1.481E-05	1.483E-05
7.5	2.249E-06	5.177E-06	5.177E-06	5.252E-06
15.0	5.866E-07	1.284E-06	1.284E-06	1.382E-06
25.0	2.206E-07	4.742E-07	4.742E-07	5.718E-07
35.0	1.179E-07	2.512E-07	2.512E-07	3.455E-07
45.0	7.362E-08	1.560E-07	1.560E-07	2.465E-07
55.0	5.041E-08	1.069E-07	1.069E-07	1.939E-07
65.0	3.671E-08	7.799E-08	7.798E-08	1.618E-07
75.0	2.793E-08	5.944E-08	5.943E-08	1.403E-07

TIME STEP NUMBER 2, 4NWAREA

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.204E-04	2.530E-03	2.530E-03	2.524E-03	4.009E+01	3.843E+01	2.005E+01	1.082E+01	1.311E-05	1.816E-04
2.5	3.129E-04	9.950E-04	9.949E-04	9.926E-04	1.831E+01	1.796E+01	1.148E+01	7.649E+00	1.468E-05	1.052E-04
3.5	1.647E-04	4.930E-04	4.929E-04	4.918E-04	1.047E+01	1.037E+01	7.492E+00	5.637E+00	1.550E-05	6.970E-05
4.5	9.889E-05	2.958E-04	2.958E-04	2.951E-04	7.240E+00	7.206E+00	5.606E+00	4.521E+00	1.650E-05	5.271E-05
7.5	3.173E-05	9.374E-05	9.373E-05	9.352E-05	3.243E+00	3.241E+00	2.832E+00	2.506E+00	1.686E-05	2.704E-05
15.0	6.031E-06	1.697E-05	1.697E-05	1.693E-05	1.040E+00	1.040E+00	9.987E-01	9.491E-01	1.457E-05	9.675E-06
25.0	1.833E-06	4.706E-06	4.706E-06	4.695E-06	4.535E-01	4.537E-01	4.496E-01	4.423E-01	1.232E-05	4.397E-06
35.0	8.767E-07	2.083E-06	2.083E-06	2.078E-06	2.664E-01	2.666E-01	2.665E-01	2.652E-01	1.099E-05	2.615E-06
45.0	5.073E-07	1.137E-06	1.137E-06	1.134E-06	1.796E-01	1.797E-01	1.802E-01	1.801E-01	1.004E-05	1.771E-06
55.0	3.273E-07	7.022E-07	7.021E-07	7.005E-07	1.311E-01	1.312E-01	1.317E-01	1.319E-01	9.327E-06	1.295E-06
65.0	2.270E-07	4.707E-07	4.707E-07	4.696E-07	1.008E-01	1.008E-01	1.013E-01	1.016E-01	8.755E-06	9.963E-07
75.0	1.658E-07	3.359E-07	3.359E-07	3.351E-07	8.053E-02	8.058E-02	8.097E-02	8.123E-02	8.297E-06	7.965E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	7.471E+02	1.980E+03	1.978E+03	1.978E+03	0.000E+00	2.008E+03	2.008E+03	2.008E+03	4.540E+00
2.5	3.279E+02	7.927E+02	7.919E+02	7.919E+02	0.000E+00	8.061E+02	8.061E+02	8.061E+02	5.097E+00
3.5	1.736E+02	3.973E+02	3.969E+02	3.969E+02	0.000E+00	4.051E+02	4.051E+02	4.051E+02	5.389E+00
4.5	1.042E+02	2.384E+02	2.382E+02	2.382E+02	0.000E+00	2.439E+02	2.439E+02	2.439E+02	5.743E+00
7.5	3.349E+01	7.574E+01	7.566E+01	7.566E+01	0.000E+00	7.823E+01	7.823E+01	7.823E+01	5.887E+00
15.0	6.393E+00	1.385E+01	1.383E+01	1.383E+01	0.000E+00	1.466E+01	1.466E+01	1.466E+01	5.128E+00
25.0	1.958E+00	3.916E+00	3.912E+00	3.912E+00	0.000E+00	4.271E+00	4.271E+00	4.271E+00	4.376E+00
35.0	9.420E-01	1.764E+00	1.762E+00	1.762E+00	0.000E+00	1.973E+00	1.973E+00	1.973E+00	3.927E+00
45.0	5.473E-01	9.762E-01	9.752E-01	9.752E-01	0.000E+00	1.117E+00	1.117E+00	1.117E+00	3.608E+00
55.0	3.542E-01	6.096E-01	6.089E-01	6.089E-01	0.000E+00	7.128E-01	7.128E-01	7.128E-01	3.363E+00
65.0	2.461E-01	4.122E-01	4.117E-01	4.117E-01	0.000E+00	4.916E-01	4.916E-01	4.916E-01	3.166E+00
75.0	1.800E-01	2.959E-01	2.956E-01	2.956E-01	0.000E+00	3.594E-01	3.594E-01	3.594E-01	3.007E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC				
	U-238	Th-230	Ra-226	Pb-210	
1.5	7.204E-06	2.530E-05	2.530E-05	2.528E-05	
2.5	3.129E-06	9.950E-06	9.949E-06	9.970E-06	
3.5	1.647E-06	4.930E-06	4.929E-06	4.965E-06	
4.5	9.889E-07	2.958E-06	2.958E-06	3.000E-06	
7.5	3.173E-07	9.374E-07	9.373E-07	9.858E-07	
15.0	6.031E-08	1.697E-07	1.697E-07	2.130E-07	
25.0	1.833E-08	4.706E-08	4.706E-08	8.391E-08	
35.0	8.767E-09	2.083E-08	2.083E-08	5.373E-08	
45.0	5.073E-09	1.137E-08	1.137E-08	4.147E-08	
55.0	3.273E-09	7.022E-09	7.021E-09	3.499E-08	
65.0	2.270E-09	4.707E-09	4.707E-09	3.096E-08	
75.0	1.658E-09	3.359E-09	3.359E-09	2.824E-08	

TIME STEP NUMBER 2, &NWAREA

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.178E-03	4.777E-03	4.777E-03	4.766E-03	4.413E+01	4.255E+01	2.567E+01	1.561E+01	2.272E-05	2.322E-04
2.5	1.438E-03	2.294E-03	2.293E-03	2.288E-03	2.829E+01	2.785E+01	1.961E+01	1.421E+01	3.194E-05	1.811E-04
3.5	7.909E-04	1.311E-03	1.311E-03	1.307E-03	1.998E+01	1.983E+01	1.527E+01	1.218E+01	3.846E-05	1.433E-04
4.5	4.899E-04	8.340E-04	8.340E-04	8.320E-04	1.508E+01	1.502E+01	1.223E+01	1.030E+01	4.284E-05	1.159E-04
7.5	1.733E-04	3.107E-04	3.107E-04	3.100E-04	8.143E+00	8.141E+00	7.228E+00	6.514E+00	4.865E-05	6.933E-05
15.0	4.006E-05	7.665E-05	7.665E-05	7.647E-05	3.339E+00	3.341E+00	3.202E+00	3.038E+00	4.901E-05	3.101E-05
25.0	1.410E-05	2.796E-05	2.796E-05	2.790E-05	1.698E+00	1.699E+00	1.679E+00	1.644E+00	4.596E-05	1.639E-05
35.0	7.450E-06	1.495E-05	1.495E-05	1.492E-05	1.086E+00	1.087E+00	1.085E+00	1.076E+00	4.352E-05	1.063E-05
45.0	4.625E-06	9.344E-06	9.344E-06	9.322E-06	7.724E-01	7.729E-01	7.744E-01	7.727E-01	4.132E-05	7.604E-06
55.0	3.152E-06	6.425E-06	6.424E-06	6.410E-06	5.894E-01	5.897E-01	5.919E-01	5.922E-01	3.965E-05	5.817E-06
65.0	2.283E-06	4.686E-06	4.686E-06	4.675E-06	4.684E-01	4.687E-01	4.708E-01	4.718E-01	3.815E-05	4.629E-06
75.0	1.726E-06	3.562E-06	3.562E-06	3.554E-06	3.831E-01	3.833E-01	3.851E-01	3.862E-01	3.677E-05	3.788E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	3.506E+03	4.595E+03	4.590E+03	4.590E+03	0.000E+00	4.623E+03	4.623E+03	4.623E+03	7.910E+00	
2.5	1.582E+03	2.165E+03	2.162E+03	2.162E+03	0.000E+00	2.184E+03	2.184E+03	2.184E+03	1.117E+01	
3.5	8.684E+02	1.223E+03	1.221E+03	1.221E+03	0.000E+00	1.237E+03	1.237E+03	1.237E+03	1.347E+01	
4.5	5.373E+02	7.717E+02	7.708E+02	7.708E+02	0.000E+00	7.827E+02	7.827E+02	7.827E+02	1.502E+01	
7.5	1.895E+02	2.831E+02	2.828E+02	2.828E+02	0.000E+00	2.893E+02	2.893E+02	2.893E+02	1.711E+01	
15.0	4.365E+01	6.859E+01	6.851E+01	6.851E+01	0.000E+00	7.116E+01	7.116E+01	7.116E+01	1.737E+01	
25.0	1.533E+01	2.478E+01	2.475E+01	2.475E+01	0.000E+00	2.609E+01	2.609E+01	2.609E+01	1.641E+01	
35.0	8.094E+00	1.321E+01	1.319E+01	1.319E+01	0.000E+00	1.405E+01	1.405E+01	1.405E+01	1.562E+01	
45.0	5.023E+00	8.239E+00	8.230E+00	8.230E+00	0.000E+00	8.842E+00	8.842E+00	8.842E+00	1.489E+01	
55.0	3.421E+00	5.651E+00	5.645E+00	5.645E+00	0.000E+00	6.112E+00	6.112E+00	6.112E+00	1.433E+01	
65.0	2.477E+00	4.114E+00	4.110E+00	4.110E+00	0.000E+00	4.481E+00	4.481E+00	4.481E+00	1.381E+01	
75.0	1.872E+00	3.123E+00	3.120E+00	3.120E+00	0.000E+00	3.424E+00	3.424E+00	3.424E+00	1.333E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.178E-05	4.777E-05	4.777E-05	4.772E-05
2.5	1.438E-05	2.294E-05	2.293E-05	2.298E-05
3.5	7.909E-06	1.311E-05	1.311E-05	1.319E-05
4.5	4.899E-06	8.340E-06	8.340E-06	8.449E-06
7.5	1.733E-06	3.107E-06	3.107E-06	3.246E-06
15.0	4.006E-07	7.665E-07	7.665E-07	9.118E-07
25.0	1.410E-07	2.796E-07	2.796E-07	4.168E-07
35.0	7.450E-08	1.495E-07	1.495E-07	2.797E-07
45.0	4.625E-08	9.344E-08	9.344E-08	2.172E-07
55.0	3.152E-08	6.425E-08	6.424E-08	1.831E-07
65.0	2.283E-08	4.686E-08	4.686E-08	1.612E-07
75.0	1.726E-08	3.562E-08	3.562E-08	1.458E-07

TIME STEP NUMBER 2, 4NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.661E-02	9.292E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.740E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.185E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.955E-03
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.843E-05	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.533E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.060E-04	0.000E+00

TOTAL DOSE COMMITMENT IS 1.553E-01 PERSON-REM/YR



TIME STEP NUMBER 2, &NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.984E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.517E-01	8.459E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.250E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.076E+00	4.488E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.524E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.857E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.342E-03	8.904E-04	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.875E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.641E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.409E+00 PERSON-REM/YR

TIME STEP NUMBER 2, 4NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.215E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.777E-02	4.247E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.670E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.345E-01	2.186E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.730E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.300E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.635E-03	4.164E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.389E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.695E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.978E-01 PERSON-REM/YR



TIME STEP NUMBER 2, 6NWARA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.353E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.855E-01	2.971E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.779E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.347E+00	1.453E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.452E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.680E-02	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.762E-02	5.102E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.101E-01	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.797E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.669E+00 PERSON-REM/YR



TIME STEP NUMBER 2, 4NWARA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.872E-04	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.594E-03	8.751E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.494E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.097E-02	4.504E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.616E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.344E-05	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.423E-05	8.820E-06	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.795E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.574E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.436E-02 PERSON-REM/YR

TIME STEP NUMBER 2, &NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.810E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.033E-03	2.535E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.487E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.893E-02	1.267E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.223E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.991E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.537E-04	4.480E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.703E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.574E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.028E-02 PERSON-REM/YR



TIME STEP NUMBER 2, #NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.490E-02	1.652E-02	1.186E-02	9.110E-03	2.743E-02	2.856E-02	1.968E-02	1.687E-02	1.564E-02	1.511E-02	1.495E-02	1.498E-02
NNE	3.302E-02	2.359E-02	1.462E-02	1.110E-02	3.177E-02	3.223E-02	2.166E-02	1.796E-02	1.616E-02	1.522E-02	1.478E-02	1.464E-02
NE	4.694E-02	2.945E-02	1.783E-02	1.323E-02	3.748E-02	3.828E-02	2.553E-02	2.083E-02	1.853E-02	1.731E-02	1.663E-02	1.626E-02
ENE	4.059E-02	2.969E-02	1.781E-02	1.253E-02	3.301E-02	3.193E-02	2.123E-02	1.760E-02	1.582E-02	1.486E-02	1.435E-02	1.409E-02
E	1.417E-02	1.496E-02	1.020E-02	7.851E-03	2.317E-02	2.408E-02	1.621E-02	1.335E-02	1.195E-02	1.124E-02	1.088E-02	1.070E-02
ESE	5.747E-03	5.679E-03	5.010E-03	4.275E-03	1.480E-02	1.758E-02	1.229E-02	1.003E-02	8.798E-03	8.048E-03	7.569E-03	7.265E-03
SE	3.543E-03	1.722E-03	1.361E-03	1.186E-03	4.419E-03	5.574E-03	4.042E-03	3.368E-03	3.005E-03	2.791E-03	2.662E-03	2.584E-03
SSE	2.626E-03	1.498E-03	5.490E-04	4.015E-04	1.024E-03	9.176E-04	6.043E-04	4.965E-04	4.393E-04	4.037E-04	3.795E-04	3.621E-04
S	4.420E-03	2.912E-03	2.030E-03	1.575E-03	4.279E-03	3.565E-03	2.208E-03	1.889E-03	1.816E-03	1.833E-03	1.890E-03	1.968E-03
SSW	6.975E-03	5.575E-03	4.560E-03	3.803E-03	1.241E-02	1.350E-02	9.150E-03	7.598E-03	6.901E-03	6.587E-03	6.513E-03	6.565E-03
SW	8.505E-03	7.100E-03	5.883E-03	4.974E-03	1.679E-02	1.906E-02	1.322E-02	1.110E-02	1.019E-02	9.811E-03	9.705E-03	9.749E-03
WSW	8.349E-03	6.648E-03	5.305E-03	4.349E-03	1.375E-02	1.471E-02	1.051E-02	9.367E-03	8.967E-03	8.894E-03	8.989E-03	9.174E-03
W	8.608E-03	6.884E-03	5.512E-03	4.527E-03	1.436E-02	1.561E-02	1.137E-02	1.028E-02	9.968E-03	1.004E-02	1.026E-02	1.056E-02
WNW	1.184E-02	9.064E-03	7.285E-03	5.992E-03	1.897E-02	2.040E-02	1.464E-02	1.314E-02	1.272E-02	1.275E-02	1.302E-02	1.346E-02
NW	1.372E-02	1.118E-02	8.443E-03	6.884E-03	2.162E-02	2.307E-02	1.610E-02	1.401E-02	1.316E-02	1.285E-02	1.282E-02	1.295E-02
NNW	1.650E-02	1.272E-02	9.077E-03	7.197E-03	2.192E-02	2.291E-02	1.596E-02	1.382E-02	1.292E-02	1.256E-02	1.247E-02	1.254E-02

TOTAL DOSE COMMITMENT IS 2.310E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 2, &NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.994E-01	1.987E-01	1.427E-01	1.096E-01	3.295E-01	3.410E-01	2.326E-01	1.973E-01	1.813E-01	1.738E-01	1.708E-01	1.703E-01
NNE	3.965E-01	2.831E-01	1.757E-01	1.333E-01	3.815E-01	3.853E-01	2.569E-01	2.111E-01	1.885E-01	1.762E-01	1.700E-01	1.674E-01
NE	5.629E-01	3.533E-01	2.141E-01	1.589E-01	4.501E-01	4.581E-01	3.036E-01	2.458E-01	2.170E-01	2.014E-01	1.922E-01	1.869E-01
ENE	4.867E-01	3.559E-01	2.136E-01	1.504E-01	3.962E-01	3.819E-01	2.521E-01	2.074E-01	1.849E-01	1.725E-01	1.654E-01	1.615E-01
E	1.704E-01	1.796E-01	1.225E-01	9.433E-02	2.783E-01	2.882E-01	1.926E-01	1.573E-01	1.397E-01	1.304E-01	1.254E-01	1.227E-01
ESE	6.938E-02	6.841E-02	6.031E-02	5.145E-02	1.780E-01	2.108E-01	1.466E-01	1.191E-01	1.038E-01	9.441E-02	8.831E-02	8.434E-02
SE	4.258E-02	2.076E-02	1.642E-02	1.430E-02	5.318E-02	6.680E-02	4.813E-02	3.983E-02	3.529E-02	3.256E-02	3.087E-02	2.979E-02
SSE	3.143E-02	1.793E-02	6.577E-03	4.808E-03	1.224E-02	1.088E-02	7.106E-03	5.802E-03	5.107E-03	4.671E-03	4.373E-03	4.157E-03
S	5.302E-02	3.494E-02	2.435E-02	1.889E-02	5.119E-02	4.217E-02	2.562E-02	2.157E-02	2.049E-02	2.052E-02	2.103E-02	2.182E-02
SSW	8.400E-02	6.712E-02	5.488E-02	4.575E-02	1.490E-01	1.612E-01	1.081E-01	8.879E-02	7.984E-02	7.555E-02	7.415E-02	7.429E-02
SW	1.026E-01	8.561E-02	7.090E-02	5.991E-02	2.019E-01	2.277E-01	1.563E-01	1.298E-01	1.180E-01	1.127E-01	1.106E-01	1.105E-01
WSW	1.007E-01	8.012E-02	6.390E-02	5.235E-02	1.652E-01	1.753E-01	1.237E-01	1.089E-01	1.032E-01	1.015E-01	1.019E-01	1.035E-01
W	1.039E-01	8.301E-02	6.642E-02	5.452E-02	1.724E-01	1.858E-01	1.334E-01	1.192E-01	1.144E-01	1.142E-01	1.160E-01	1.188E-01
WNW	1.428E-01	1.093E-01	8.779E-02	7.215E-02	2.279E-01	2.428E-01	1.717E-01	1.521E-01	1.456E-01	1.448E-01	1.469E-01	1.511E-01
NW	1.655E-01	1.347E-01	1.017E-01	8.284E-02	2.596E-01	2.751E-01	1.897E-01	1.633E-01	1.519E-01	1.471E-01	1.458E-01	1.465E-01
NNW	1.987E-01	1.530E-01	1.092E-01	8.655E-02	2.632E-01	2.733E-01	1.883E-01	1.614E-01	1.496E-01	1.442E-01	1.423E-01	1.423E-01

TOTAL DOSE COMMITMENT IS 2.730E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 2, &NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	9.959E-03	6.608E-03	4.745E-03	3.643E-03	1.099E-02	1.154E-02	8.064E-03	7.003E-03	6.571E-03	6.413E-03	6.396E-03	6.457E-03
NNE	1.325E-02	9.469E-03	5.861E-03	4.447E-03	1.274E-02	1.300E-02	8.831E-03	7.405E-03	6.738E-03	6.407E-03	6.273E-03	6.257E-03
NE	1.889E-02	1.184E-02	7.155E-03	5.303E-03	1.503E-02	1.541E-02	1.038E-02	8.549E-03	7.680E-03	7.243E-03	7.016E-03	6.909E-03
ENE	1.634E-02	1.195E-02	7.155E-03	5.030E-03	1.324E-02	1.286E-02	8.640E-03	7.242E-03	6.576E-03	6.237E-03	6.071E-03	6.005E-03
E	5.668E-03	6.006E-03	4.088E-03	3.146E-03	9.285E-03	9.701E-03	6.595E-03	5.492E-03	4.967E-03	4.716E-03	4.602E-03	4.561E-03
ESE	2.283E-03	2.265E-03	2.001E-03	1.708E-03	5.919E-03	7.057E-03	4.967E-03	4.088E-03	3.612E-03	3.329E-03	3.154E-03	3.047E-03
SE	1.420E-03	6.851E-04	5.415E-04	4.724E-04	1.764E-03	2.239E-03	1.638E-03	1.378E-03	1.241E-03	1.163E-03	1.118E-03	1.093E-03
SSE	1.060E-03	6.048E-04	2.212E-04	1.618E-04	4.139E-04	3.744E-04	2.492E-04	2.065E-04	1.839E-04	1.700E-04	1.607E-04	1.541E-04
S	1.777E-03	1.170E-03	8.155E-04	6.332E-04	1.726E-03	1.460E-03	9.268E-04	8.091E-04	7.890E-04	8.043E-04	8.347E-04	8.736E-04
SSW	2.783E-03	2.225E-03	1.821E-03	1.520E-03	4.971E-03	5.454E-03	3.749E-03	3.158E-03	2.906E-03	2.805E-03	2.799E-03	2.843E-03
SW	3.381E-03	2.826E-03	2.344E-03	1.984E-03	6.716E-03	7.690E-03	5.408E-03	4.606E-03	4.283E-03	4.172E-03	4.164E-03	4.215E-03
WSW	3.323E-03	2.649E-03	2.116E-03	1.736E-03	5.507E-03	5.956E-03	4.330E-03	3.920E-03	3.802E-03	3.811E-03	3.883E-03	3.989E-03
W	3.421E-03	2.740E-03	2.196E-03	1.806E-03	5.749E-03	6.334E-03	4.701E-03	4.320E-03	4.242E-03	4.315E-03	4.447E-03	4.606E-03
NW	4.709E-03	3.607E-03	2.902E-03	2.390E-03	7.595E-03	8.275E-03	6.058E-03	5.530E-03	5.427E-03	5.500E-03	5.660E-03	5.890E-03
NW	5.460E-03	4.462E-03	3.369E-03	2.750E-03	8.659E-03	9.337E-03	6.618E-03	5.843E-03	5.556E-03	5.482E-03	5.517E-03	5.609E-03
NNW	6.587E-03	5.086E-03	3.629E-03	2.879E-03	8.787E-03	9.266E-03	6.550E-03	5.750E-03	5.440E-03	5.340E-03	5.348E-03	5.415E-03

TOTAL DOSE COMMITMENT IS 9.464E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 2, 4NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.227E-01	8.139E-02	5.844E-02	4.487E-02	1.352E-01	1.411E-01	9.763E-02	8.399E-02	7.816E-02	7.575E-02	7.512E-02	7.547E-02
NNE	1.631E-01	1.165E-01	7.216E-02	5.474E-02	1.567E-01	1.592E-01	1.073E-01	8.924E-02	8.059E-02	7.612E-02	7.409E-02	7.353E-02
NE	2.323E-01	1.457E-01	8.806E-02	6.528E-02	1.848E-01	1.889E-01	1.264E-01	1.034E-01	9.222E-02	8.642E-02	8.323E-02	8.155E-02
ENE	2.010E-01	1.470E-01	8.804E-02	6.190E-02	1.629E-01	1.576E-01	1.051E-01	8.743E-02	7.881E-02	7.425E-02	7.187E-02	7.073E-02
E	6.982E-02	7.392E-02	5.032E-02	3.873E-02	1.142E-01	1.189E-01	8.025E-02	6.631E-02	5.953E-02	5.615E-02	5.448E-02	5.373E-02
ESE	2.816E-02	2.792E-02	2.465E-02	2.104E-02	7.287E-02	8.665E-02	6.070E-02	4.969E-02	4.367E-02	4.003E-02	3.773E-02	3.629E-02
SE	1.748E-02	8.449E-03	6.678E-03	5.824E-03	2.173E-02	2.747E-02	1.998E-02	1.670E-02	1.494E-02	1.392E-02	1.330E-02	1.294E-02
SSE	1.303E-02	7.431E-03	2.718E-03	1.988E-03	5.071E-03	4.550E-03	3.004E-03	2.474E-03	2.193E-03	2.019E-03	1.901E-03	1.817E-03
S	2.187E-02	1.440E-02	1.003E-02	7.784E-03	2.117E-02	1.770E-02	1.104E-02	9.498E-03	9.170E-03	9.284E-03	9.590E-03	1.000E-02
SSW	3.430E-02	2.742E-02	2.244E-02	1.872E-02	6.111E-02	6.667E-02	4.537E-02	3.784E-02	3.451E-02	3.305E-02	3.277E-02	3.311E-02
SW	4.170E-02	3.485E-02	2.889E-02	2.444E-02	8.261E-02	9.405E-02	6.551E-02	5.524E-02	5.091E-02	4.920E-02	4.881E-02	4.915E-02
WSW	4.098E-02	3.265E-02	2.607E-02	2.138E-02	6.769E-02	7.267E-02	5.220E-02	4.675E-02	4.493E-02	4.471E-02	4.530E-02	4.633E-02
W	4.220E-02	3.378E-02	2.707E-02	2.225E-02	7.065E-02	7.717E-02	5.652E-02	5.137E-02	5.000E-02	5.050E-02	5.177E-02	5.338E-02
WNW	5.809E-02	4.448E-02	3.577E-02	2.944E-02	9.335E-02	1.008E-01	7.280E-02	6.568E-02	6.384E-02	6.424E-02	6.575E-02	6.812E-02
NW	6.734E-02	5.499E-02	4.151E-02	3.386E-02	1.064E-01	1.140E-01	7.991E-02	6.983E-02	6.584E-02	6.450E-02	6.454E-02	6.532E-02
NNW	8.118E-02	6.264E-02	4.470E-02	3.545E-02	1.080E-01	1.132E-01	7.919E-02	6.886E-02	6.461E-02	6.299E-02	6.273E-02	6.321E-02

TOTAL DOSE COMMITMENT IS 1.146E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 2, &NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	7.689E-04	5.100E-04	3.673E-04	2.825E-04	8.457E-04	8.571E-04	5.631E-04	4.593E-04	4.067E-04	3.770E-04	3.597E-04	3.495E-04
NNE	9.979E-04	7.097E-04	4.456E-04	3.391E-04	9.725E-04	9.705E-04	6.292E-04	5.009E-04	4.332E-04	3.928E-04	3.684E-04	3.535E-04
NE	1.390E-03	8.774E-04	5.389E-04	4.020E-04	1.146E-03	1.158E-03	7.501E-04	5.910E-04	5.070E-04	4.573E-04	4.251E-04	4.034E-04
ENE	1.198E-03	8.761E-04	5.322E-04	3.776E-04	1.004E-03	9.632E-04	6.205E-04	4.952E-04	4.282E-04	3.878E-04	3.620E-04	3.450E-04
E	4.372E-04	4.508E-04	3.102E-04	2.398E-04	7.098E-04	7.280E-04	4.743E-04	3.761E-04	3.239E-04	2.936E-04	2.746E-04	2.621E-04
ESE	1.865E-04	1.792E-04	1.566E-04	1.334E-04	4.595E-04	5.383E-04	3.678E-04	2.926E-04	2.495E-04	2.220E-04	2.032E-04	1.901E-04
SE	1.082E-04	5.513E-05	4.370E-05	3.788E-05	1.390E-04	1.710E-04	1.201E-04	9.674E-05	8.340E-05	7.494E-05	6.927E-05	6.531E-05
SSE	7.569E-05	4.326E-05	1.618E-05	1.184E-05	3.013E-05	2.636E-05	1.679E-05	1.340E-05	1.156E-05	1.038E-05	9.551E-06	8.936E-06
S	1.315E-04	8.716E-05	6.093E-05	4.718E-05	1.269E-04	1.008E-04	5.710E-05	4.504E-05	4.062E-05	3.913E-05	3.898E-05	3.960E-05
SSW	2.195E-04	1.751E-04	1.426E-04	1.186E-04	3.835E-04	4.058E-04	2.618E-04	2.061E-04	1.778E-04	1.620E-04	1.538E-04	1.497E-04
SW	2.744E-04	2.273E-04	1.873E-04	1.576E-04	5.255E-04	5.775E-04	3.807E-04	3.031E-04	2.642E-04	2.429E-04	2.308E-04	2.241E-04
WSW	2.673E-04	2.114E-04	1.679E-04	1.371E-04	4.282E-04	4.405E-04	2.953E-04	2.477E-04	2.248E-04	2.130E-04	2.073E-04	2.051E-04
W	2.783E-04	2.206E-04	1.756E-04	1.434E-04	4.475E-04	4.640E-04	3.150E-04	2.676E-04	2.459E-04	2.366E-04	2.331E-04	2.327E-04
WNW	3.808E-04	2.906E-04	2.320E-04	1.898E-04	5.917E-04	6.065E-04	4.044E-04	3.394E-04	3.101E-04	2.966E-04	2.914E-04	2.922E-04
NW	4.393E-04	3.522E-04	2.657E-04	2.158E-04	6.700E-04	6.901E-04	4.550E-04	3.749E-04	3.350E-04	3.132E-04	3.012E-04	2.947E-04
NNW	5.176E-04	3.938E-04	2.820E-04	2.233E-04	6.749E-04	6.846E-04	4.535E-04	3.734E-04	3.332E-04	3.107E-04	2.977E-04	2.903E-04

TOTAL DOSE COMMITMENT IS 6.593E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 2, #NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.036E-02	6.869E-03	4.940E-03	3.794E-03	1.133E-02	1.135E-02	7.294E-03	5.808E-03	5.020E-03	4.547E-03	4.246E-03	4.046E-03
NNE	1.353E-02	9.637E-03	6.024E-03	4.578E-03	1.307E-02	1.290E-02	8.220E-03	6.417E-03	5.436E-03	4.831E-03	4.443E-03	4.186E-03
NE	1.897E-02	1.195E-02	7.306E-03	5.438E-03	1.542E-02	1.544E-02	9.856E-03	7.636E-03	6.435E-03	5.700E-03	5.205E-03	4.856E-03
ENE	1.637E-02	1.197E-02	7.241E-03	5.121E-03	1.354E-02	1.283E-02	8.135E-03	6.375E-03	5.407E-03	4.804E-03	4.402E-03	4.121E-03
E	5.892E-03	6.119E-03	4.197E-03	3.239E-03	9.549E-03	9.703E-03	6.221E-03	4.843E-03	4.091E-03	3.637E-03	3.339E-03	3.130E-03
ESE	2.474E-03	2.398E-03	2.102E-03	1.790E-03	6.162E-03	7.187E-03	4.865E-03	3.826E-03	3.221E-03	2.828E-03	2.554E-03	2.357E-03
SE	1.463E-03	7.343E-04	5.816E-04	5.047E-04	1.855E-03	2.275E-03	1.579E-03	1.254E-03	1.064E-03	9.408E-04	8.555E-04	7.940E-04
SSE	1.042E-03	5.946E-04	2.205E-04	1.610E-04	4.057E-04	3.467E-04	2.157E-04	1.693E-04	1.439E-04	1.275E-04	1.159E-04	1.072E-04
S	1.792E-03	1.184E-03	8.263E-04	6.391E-04	1.710E-03	1.322E-03	7.112E-04	5.320E-04	4.587E-04	4.263E-04	4.131E-04	4.111E-04
SSW	2.939E-03	2.345E-03	1.911E-03	1.589E-03	5.126E-03	5.364E-03	3.386E-03	2.597E-03	2.180E-03	1.935E-03	1.792E-03	1.707E-03
SW	3.646E-03	3.026E-03	2.496E-03	2.101E-03	7.001E-03	7.624E-03	4.925E-03	3.827E-03	3.250E-03	2.913E-03	2.703E-03	2.568E-03
WSW	3.560E-03	2.820E-03	2.241E-03	1.829E-03	5.700E-03	5.786E-03	3.777E-03	3.078E-03	2.714E-03	2.506E-03	2.381E-03	2.307E-03
W	3.696E-03	2.936E-03	2.338E-03	1.911E-03	5.950E-03	6.078E-03	4.005E-03	3.298E-03	2.941E-03	2.754E-03	2.649E-03	2.590E-03
WNW	5.065E-03	3.867E-03	3.091E-03	2.529E-03	7.869E-03	7.944E-03	5.133E-03	4.164E-03	3.684E-03	3.423E-03	3.279E-03	3.217E-03
NW	5.852E-03	4.713E-03	3.553E-03	2.886E-03	8.939E-03	9.090E-03	5.849E-03	4.692E-03	4.083E-03	3.724E-03	3.500E-03	3.356E-03
NNW	6.939E-03	5.298E-03	3.787E-03	2.997E-03	9.034E-03	9.047E-03	5.856E-03	4.703E-03	4.093E-03	3.728E-03	3.496E-03	3.343E-03

TOTAL DOSE COMMITMENT IS 8.557E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.





TIME STEP NUMBER 2, 6NWAREA

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 2--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.553E-01	1.409E+00	6.978E-01	1.279E-01	7.138E-02	4.669E+00
GROUND	1.436E-02	1.436E-02	1.436E-02	1.436E-02	1.436E-02	1.436E-02
CLOUD	4.028E-02	4.028E-02	4.028E-02	4.028E-02	4.028E-02	4.028E-02
VEG. ING	1.155E+00	1.365E+01	1.155E+00	3.561E+00	2.994E+00	1.155E+00
MEAT ING	4.019E-02	4.866E-01	4.019E-02	1.299E-01	1.070E-01	4.019E-02
MILK ING	3.465E-02	4.497E-01	3.465E-02	7.157E-02	7.589E-02	3.465E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.440E+00	1.605E+01	1.982E+00	3.945E+00	3.303E+00	5.954E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.155E+00	1.365E+01	1.155E+00	3.560E+00	2.994E+00	1.155E+00
MEAT ING	9.062E-01	1.097E+01	9.062E-01	2.930E+00	2.414E+00	9.062E-01
MILK ING	3.129E-02	4.061E-01	3.129E-02	6.463E-02	6.853E-02	3.129E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.093E+00	2.503E+01	2.093E+00	6.555E+00	5.476E+00	2.093E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.553E-01	1.409E+00	6.978E-01	1.279E-01	7.138E-02	4.669E+00
GROUND	1.436E-02	1.436E-02	1.436E-02	1.436E-02	1.436E-02	1.436E-02
CLOUD	4.028E-02	4.028E-02	4.028E-02	4.028E-02	4.028E-02	4.028E-02
VEG. ING	2.310E+00	2.730E+01	2.310E+00	7.121E+00	5.987E+00	2.310E+00
MEAT ING	9.464E-01	1.146E+01	9.464E-01	3.060E+00	2.521E+00	9.464E-01
MILK ING	6.593E-02	8.557E-01	6.593E-02	1.362E-01	1.444E-01	6.593E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.533E+00	4.108E+01	4.075E+00	1.050E+01	8.778E+00	8.047E+00



NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1	Nearest Resident	2	1.268E-05	2.787E-05	2.787E-05	2.781E-05	1.369E+01	2.405E+01	2.402E+01	2.402E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.268E-05	2.787E-05	2.787E-05	2.781E-05	1.369E+01	2.405E+01	2.402E+01	2.402E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2	Restricted Area Boun	2	1.032E-01	1.127E-01	1.127E-01	1.125E-01	1.152E+05	1.217E+05	1.216E+05	1.216E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.032E-01	1.127E-01	1.127E-01	1.125E-01	1.152E+05	1.217E+05	1.216E+05	1.216E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
3	Restricted Area Boun	2	3.261E-03	9.531E-03	9.531E-03	9.509E-03	3.445E+03	7.717E+03	7.710E+03	7.710E+03
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.261E-03	9.531E-03	9.531E-03	9.509E-03	3.445E+03	7.717E+03	7.710E+03	7.710E+03
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
4	Restricted Area Boun	2	2.567E-03	7.547E-03	7.547E-03	7.530E-03	2.711E+03	6.104E+03	6.098E+03	6.098E+03
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		2.567E-03	7.547E-03	7.547E-03	7.530E-03	2.711E+03	6.104E+03	6.098E+03	6.098E+03
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
5	Restricted Area Boun	2	1.326E-02	1.881E-02	1.880E-02	1.876E-02	1.466E+04	1.844E+04	1.842E+04	1.842E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.326E-02	1.881E-02	1.880E-02	1.876E-02	1.466E+04	1.844E+04	1.842E+04	1.842E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
6	Restricted Area Boun	2	3.267E-02	4.465E-02	4.464E-02	4.454E-02	3.619E+04	4.435E+04	4.429E+04	4.429E+04
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.267E-02	4.465E-02	4.464E-02	4.454E-02	3.619E+04	4.435E+04	4.429E+04	4.429E+04
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
7	Restricted Area Boun	2	3.647E-03	1.151E-02	1.151E-02	1.148E-02	3.825E+03	9.182E+03	9.173E+03	9.173E+03
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.647E-03	1.151E-02	1.151E-02	1.148E-02	3.825E+03	9.182E+03	9.173E+03	9.173E+03
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
8	Restricted Area Boun	2	8.484E-03	1.393E-02	1.393E-02	1.390E-02	9.320E+03	1.303E+04	1.302E+04	1.302E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		8.484E-03	1.393E-02	1.393E-02	1.390E-02	9.320E+03	1.303E+04	1.302E+04	1.302E+04

TIME STEP NUMBER 2, &NWAREA

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	2.939E-02	3.588E-02	3.588E-02	3.579E-02	3.269E+04	3.711E+04	3.707E+04	3.707E+04
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.939E-02	3.588E-02	3.588E-02	3.579E-02	3.269E+04	3.711E+04	3.707E+04	3.707E+04
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	2	1.247E-05	2.775E-05	2.775E-05	2.769E-05	1.346E+01	2.387E+01	2.384E+01	2.384E+01
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.247E-05	2.775E-05	2.775E-05	2.769E-05	1.346E+01	2.387E+01	2.384E+01	2.384E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	1.182E-05	2.505E-05	2.505E-05	2.500E-05	1.280E+01	2.182E+01	2.179E+01	2.179E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.182E-05	2.505E-05	2.505E-05	2.500E-05	1.280E+01	2.182E+01	2.179E+01	2.179E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	2.410E-06	5.169E-06	5.169E-06	5.157E-06	2.607E+00	4.487E+00	4.483E+00	4.483E+00
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.410E-06	5.169E-06	5.169E-06	5.157E-06	2.607E+00	4.487E+00	4.483E+00	4.483E+00
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	5.913E-03	2.638E-02	2.638E-02	2.632E-02	5.948E+03	1.989E+04	1.987E+04	1.987E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		5.913E-03	2.638E-02	2.638E-02	2.632E-02	5.948E+03	1.989E+04	1.987E+04	1.987E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.152E-03	6.626E-03	6.626E-03	6.611E-03	2.262E+03	5.311E+03	5.306E+03	5.306E+03
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.152E-03	6.626E-03	6.626E-03	6.611E-03	2.262E+03	5.311E+03	5.306E+03	5.306E+03

NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS								GROUND CONCENTRATIONS, PCI/M2			
	AIRBORNE CONCENTRATIONS, PCI/M3											
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.602E+00	1.603E+00	1.553E+00	1.484E+00	3.690E-05	9.993E-07	7.052E-10	1.506E-05	1.270E+00	1.270E+00	1.270E+00	1.370E+01
2	2.067E+02	1.837E+02	6.083E+01	1.820E+01	8.547E-06	4.839E-09	7.920E-14	5.655E-04	1.455E+02	1.455E+02	1.455E+02	2.956E+00
3	1.030E+02	9.174E+01	3.196E+01	1.068E+01	5.905E-06	3.912E-09	7.450E-14	2.963E-04	7.266E+01	7.266E+01	7.266E+01	2.042E+00
4	8.432E+01	6.416E+01	1.704E+01	5.052E+00	2.567E-06	1.664E-09	3.364E-14	1.713E-04	5.081E+01	5.081E+01	5.081E+01	9.305E-01
5	9.607E+01	8.780E+01	3.562E+01	1.374E+01	9.178E-06	7.236E-09	1.629E-13	3.223E-04	6.954E+01	6.954E+01	6.954E+01	3.174E+00
6	1.995E+02	1.642E+02	4.084E+01	9.272E+00	3.120E-06	1.288E-09	1.553E-14	4.108E-04	1.300E+02	1.300E+02	1.300E+02	1.079E+00
7	1.317E+02	1.152E+02	3.656E+01	1.106E+01	5.372E-06	3.148E-09	5.325E-14	3.453E-04	9.127E+01	9.127E+01	9.127E+01	1.858E+00
8	9.255E+01	8.379E+01	3.208E+01	1.179E+01	7.409E-06	5.529E-09	1.181E-13	2.929E-04	6.636E+01	6.636E+01	6.636E+01	2.562E+00
9	1.234E+02	1.122E+02	4.427E+01	1.613E+01	9.851E-06	7.138E-09	1.482E-13	4.002E-04	8.887E+01	8.887E+01	8.887E+01	3.407E+00
10	1.700E+00	1.701E+00	1.669E+00	1.618E+00	5.122E-05	1.774E-06	1.616E-09	1.625E-05	1.348E+00	1.348E+00	1.348E+00	1.905E+01
11	6.078E-01	6.081E-01	6.054E-01	5.979E-01	2.765E-05	1.379E-06	1.832E-09	5.926E-06	4.817E-01	4.817E-01	4.817E-01	9.849E+00
12	2.701E-01	2.702E-01	2.690E-01	2.652E-01	1.345E-05	8.126E-07	1.349E-09	2.631E-06	2.140E-01	2.140E-01	2.140E-01	4.944E+00
13	3.221E+02	2.247E+02	4.102E+01	7.610E+00	2.241E-06	9.655E-10	1.562E-14	4.679E-04	1.780E+02	1.780E+02	1.780E+02	8.296E-01
14	9.444E+01	8.586E+01	3.812E+01	1.836E+01	1.843E-05	2.171E-08	7.323E-13	3.502E-04	6.801E+01	6.801E+01	6.801E+01	6.512E+00



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: f:20cfr.in

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 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 2, &NWAREA

NUMBER 1 NAME-Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.27E-05	1.27E-05	2.79E-05	2.79E-05	1.51E-05	6.47E-05	2.88E-05	2.78E-05
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.54E-06	3.17E-06	3.48E-04	1.39E-05	4.52E-04	1.62E-05	1.44E-07	3.97E-06

SUM OF FRACTIONS EQUALS 8.41E-04

NUMBER 2 NAME-Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.13E-01	1.13E-01	5.66E-04	1.12E-01	1.12E-01	1.12E-01
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.06E-02	2.58E-02	1.41E+00	5.64E-02	1.70E-02	2.81E-02	5.62E-04	1.61E-02

SUM OF FRACTIONS EQUALS 1.57E+00

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 2, Cells 1 & 2 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 1 NAME=Nearest Resident X= 28.0KM Y= 0.0KM Z= 73.9M DIST= 28.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.27E-05	1.27E-05	2.79E-05	2.79E-05	1.15E-05	6.47E-05	2.88E-05	2.78E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.12E-04	2.54E-04	9.30E-04	3.10E-05	1.05E-02	1.08E-04	7.20E-07	3.09E-05

SUM OF FRACTIONS EQUALS 1.20E-02

NUMBER 2 NAME= N Permit Area Boun X= 0.0KM Y= 0.3KM Z= 6.9M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.13E-01	1.13E-01	5.66E-04	1.12E-01	1.12E-01	1.12E-01
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.72E+00	2.06E+00	3.77E+00	1.26E-01	5.15E-01	1.87E-01	2.80E-03	1.24E-01

SUM OF FRACTIONS EQUALS 8.50E+00

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 2, Cells 1 & 2 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 3 NAME= S Permit Area Boun X= 0.0KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.26E-03	3.26E-03	9.53E-03	9.53E-03	2.96E-04	9.51E-03	9.51E-03	9.51E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.43E-02	6.52E-02	3.18E-01	1.06E-02	2.69E-01	1.59E-02	2.38E-04	1.06E-02

SUM OF FRACTIONS EQUALS 7.44E-01

NUMBER 4 NAME= E Permit Area Boun X= 1.9KM Y= 0.0KM Z= -0.8M DIST= 1.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.57E-03	2.57E-03	7.55E-03	7.55E-03	1.71E-04	7.53E-03	7.53E-03	7.53E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.28E-02	5.14E-02	2.52E-01	8.39E-03	1.55E-01	1.26E-02	1.88E-04	8.37E-03

SUM OF FRACTIONS EQUALS 5.31E-01

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 2, Cells 1 & 2 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 5 NAME= W Permit Area Boun X= -0.3KM Y= 0.0KM Z= -3.8M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.33E-02	1.33E-02	1.88E-02	1.88E-02	3.22E-04	1.88E-02	1.88E-02	1.88E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.22E-01	2.66E-01	6.27E-01	2.09E-02	2.93E-01	3.13E-02	4.70E-04	2.09E-02

SUM OF FRACTIONS EQUALS 1.48E+00

NUMBER 6 NAME= NE Permit Area Boun X= 0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.27E-02	3.27E-02	4.46E-02	4.46E-02	4.11E-04	4.45E-02	4.45E-02	4.45E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.45E-01	6.54E-01	1.49E+00	4.96E-02	3.74E-01	7.42E-02	1.11E-03	4.94E-02

SUM OF FRACTIONS EQUALS 3.23E+00



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TIME STEP NUMBER 2, Cells 1 & 2 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 7 NAME= SE Permit Area Boun X= 0.2KM Y= -0.2KM Z= -0.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.65E-03	3.65E-03	1.15E-02	1.15E-02	3.45E-04	1.15E-02	1.15E-02	1.15E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	6.08E-02	7.30E-02	3.83E-01	1.28E-02	3.14E-01	1.92E-02	2.88E-04	1.28E-02

SUM OF FRACTIONS EQUALS 8.76E-01

NUMBER 8 NAME= SW Permit Area Boun X= -0.2KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.48E-03	8.48E-03	1.39E-02	1.39E-02	2.93E-04	1.39E-02	1.39E-02	1.39E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.41E-01	1.70E-01	4.63E-01	1.54E-02	2.66E-01	2.32E-02	3.48E-04	1.54E-02

SUM OF FRACTIONS EQUALS 1.10E+00

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TIME STEP NUMBER 2, Cells 1 & 2 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 9 NAME=NW Permit Area Boun X= -0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.94E-02	2.94E-02	3.59E-02	3.59E-02	4.00E-04	3.58E-02	3.58E-02	3.58E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.90E-01	5.88E-01	1.20E+00	3.99E-02	3.64E-01	5.97E-02	8.95E-04	3.98E-02

SUM OF FRACTIONS EQUALS 2.78E+00

NUMBER 10 NAME= Baroil X= 28.6KM Y= 21.6KM Z= 107.4M DIST= 35.8KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.25E-05	1.25E-05	2.78E-05	2.77E-05	1.62E-05	7.89E-05	2.95E-05	2.77E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.08E-04	2.50E-04	9.27E-04	3.08E-05	1.47E-02	1.32E-04	7.38E-07	3.08E-05

SUM OF FRACTIONS EQUALS 1.63E-02

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 2, Cells 1 & 2 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 11 NAME= Jeffrey City X= 7.0KM Y= 49.5KM Z= -75.4M DIST= 50.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.18E-05	1.18E-05	2.51E-05	2.51E-05	5.93E-06	5.26E-05	2.64E-05	2.50E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.97E-04	2.36E-04	8.37E-04	2.79E-05	5.39E-03	8.77E-05	6.60E-07	2.78E-05
SUM OF FRACTIONS EQUALS	6.80E-03							

NUMBER 12 NAME= Rawlins X= 54.6KM Y= -27.9KM Z= 37.0M DIST= 61.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.41E-06	2.41E-06	5.17E-06	5.17E-06	2.63E-06	1.86E-05	5.97E-06	5.16E-06
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.02E-05	4.82E-05	1.72E-04	5.74E-06	2.39E-03	3.10E-05	1.49E-07	5.73E-06
SUM OF FRACTIONS EQUALS	2.69E-03							

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TIME STEP NUMBER 2, Cells 1 & 2 full

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 13 NAME= Special Receptor #1 X= 1.4KM Y= 1.0KM Z= 0.8M DIST= 1.7KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	5.91E-03	5.91E-03	2.64E-02	2.64E-02	4.68E-04	2.63E-02	2.63E-02	2.63E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	9.85E-02	1.18E-01	8.80E-01	2.93E-02	4.25E-01	4.38E-02	6.58E-04	2.92E-02

SUM OF FRACTIONS EQUALS 1.63E+00

NUMBER 14 NAME= Special Receptor #2 X= 2.0KM Y= 2.1KM Z= 0.8M DIST= 2.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.15E-03	2.15E-03	6.63E-03	6.63E-03	3.50E-04	6.63E-03	6.61E-03	6.61E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	3.58E-02	4.30E-02	2.21E-01	7.37E-03	3.18E-01	1.11E-02	1.65E-04	7.34E-03

SUM OF FRACTIONS EQUALS 6.44E-01

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.301E-03	1.408E-02	1.408E-02	1.405E-02	1.590E+02	1.462E+02	6.058E+01	2.388E+01	1.644E-05	5.468E-04
2.5	2.509E-03	5.598E-03	5.598E-03	5.585E-03	7.598E+01	7.250E+01	3.954E+01	2.192E+01	2.690E-05	3.569E-04
3.5	1.327E-03	2.865E-03	2.865E-03	2.859E-03	4.495E+01	4.384E+01	2.818E+01	1.907E+01	3.697E-05	2.592E-04
4.5	8.108E-04	1.704E-03	1.704E-03	1.700E-03	3.020E+01	2.979E+01	2.117E+01	1.600E+01	4.435E-05	1.977E-04
7.5	2.899E-04	6.062E-04	6.062E-04	6.048E-04	1.457E+01	1.453E+01	1.194E+01	1.022E+01	5.811E-05	1.136E-04
15.0	7.072E-05	1.475E-04	1.475E-04	1.472E-04	5.354E+00	5.356E+00	4.962E+00	4.567E+00	6.201E-05	4.771E-05
25.0	2.581E-05	5.376E-05	5.376E-05	5.363E-05	2.582E+00	2.583E+00	2.516E+00	2.422E+00	5.841E-05	2.445E-05
35.0	1.373E-05	2.860E-05	2.860E-05	2.853E-05	1.615E+00	1.616E+00	1.601E+00	1.572E+00	5.539E-05	1.565E-05
45.0	8.557E-06	1.783E-05	1.783E-05	1.779E-05	1.134E+00	1.134E+00	1.132E+00	1.123E+00	5.260E-05	1.110E-05
55.0	5.855E-06	1.220E-05	1.220E-05	1.218E-05	8.521E-01	8.526E-01	8.538E-01	8.511E-01	5.013E-05	8.381E-06
65.0	4.261E-06	8.886E-06	8.886E-06	8.866E-06	6.698E-01	6.702E-01	6.723E-01	6.721E-01	4.796E-05	6.606E-06
75.0	3.241E-06	6.763E-06	6.762E-06	6.747E-06	5.436E-01	5.439E-01	5.461E-01	5.468E-01	4.603E-05	5.368E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.012E+04	1.964E+04	1.961E+04	1.961E+04	0.000E+00	1.973E+04	1.973E+04	1.973E+04	9.229E+00
2.5	4.029E+03	7.812E+03	7.800E+03	7.800E+03	0.000E+00	7.857E+03	7.857E+03	7.857E+03	1.515E+01
3.5	2.133E+03	4.018E+03	4.011E+03	4.011E+03	0.000E+00	4.046E+03	4.046E+03	4.046E+03	2.082E+01
4.5	1.305E+03	2.399E+03	2.395E+03	2.395E+03	0.000E+00	2.419E+03	2.419E+03	2.419E+03	2.498E+01
7.5	4.668E+02	8.542E+02	8.528E+02	8.528E+02	0.000E+00	8.643E+02	8.643E+02	8.643E+02	3.275E+01
15.0	1.139E+02	2.079E+02	2.076E+02	2.076E+02	0.000E+00	2.118E+02	2.118E+02	2.118E+02	3.509E+01
25.0	4.157E+01	7.579E+01	7.567E+01	7.567E+01	0.000E+00	7.771E+01	7.771E+01	7.771E+01	3.320E+01
35.0	2.211E+01	4.032E+01	4.025E+01	4.025E+01	0.000E+00	4.153E+01	4.153E+01	4.153E+01	3.158E+01
45.0	1.378E+01	2.514E+01	2.510E+01	2.510E+01	0.000E+00	2.599E+01	2.599E+01	2.599E+01	3.005E+01
55.0	9.429E+00	1.720E+01	1.718E+01	1.718E+01	0.000E+00	1.785E+01	1.785E+01	1.785E+01	2.869E+01
65.0	6.862E+00	1.253E+01	1.251E+01	1.251E+01	0.000E+00	1.304E+01	1.304E+01	1.304E+01	2.748E+01
75.0	5.219E+00	9.532E+00	9.516E+00	9.516E+00	0.000E+00	9.947E+00	9.947E+00	9.947E+00	2.641E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.301E-05	1.408E-04	1.408E-04	1.405E-04
2.5	2.509E-05	5.598E-05	5.598E-05	5.593E-05
3.5	1.327E-05	2.865E-05	2.865E-05	2.870E-05
4.5	8.108E-06	1.704E-05	1.704E-05	1.713E-05
7.5	2.899E-06	6.062E-06	6.062E-06	6.222E-06
15.0	7.072E-07	1.475E-06	1.475E-06	1.658E-06
25.0	2.581E-07	5.376E-07	5.376E-07	7.116E-07
35.0	1.373E-07	2.860E-07	2.860E-07	4.515E-07
45.0	8.557E-08	1.783E-07	1.783E-07	3.357E-07
55.0	5.855E-08	1.220E-07	1.220E-07	2.722E-07
65.0	4.261E-08	8.886E-08	8.886E-08	2.325E-07
75.0	3.241E-08	6.763E-08	6.762E-08	2.056E-07



TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.091E-03	2.696E-02	2.696E-02	2.690E-02	3.227E+02	2.293E+02	4.045E+01	7.020E+00	1.890E-06	4.674E-04
2.5	2.935E-03	1.012E-02	1.012E-02	1.009E-02	1.404E+02	1.231E+02	4.680E+01	1.872E+01	1.387E-05	4.339E-04
3.5	1.537E-03	4.352E-03	4.352E-03	4.341E-03	6.649E+01	6.235E+01	3.186E+01	1.817E+01	2.548E-05	2.935E-04
4.5	9.549E-04	2.499E-03	2.499E-03	2.494E-03	4.208E+01	4.065E+01	2.421E+01	1.630E+01	3.525E-05	2.254E-04
7.5	3.566E-04	8.383E-04	8.383E-04	8.364E-04	1.751E+01	1.738E+01	1.277E+01	1.018E+01	4.939E-05	1.206E-04
15.0	9.315E-05	2.047E-04	2.047E-04	2.042E-04	5.835E+00	5.837E+00	5.123E+00	4.495E+00	5.306E-05	4.875E-05
25.0	3.517E-05	7.551E-05	7.551E-05	7.533E-05	2.713E+00	2.715E+00	2.578E+00	2.412E+00	4.990E-05	2.486E-05
35.0	1.880E-05	3.999E-05	3.999E-05	3.990E-05	1.667E+00	1.668E+00	1.631E+00	1.574E+00	4.728E-05	1.586E-05
45.0	1.174E-05	2.492E-05	2.492E-05	2.486E-05	1.166E+00	1.167E+00	1.155E+00	1.133E+00	4.512E-05	1.128E-05
55.0	8.039E-06	1.710E-05	1.709E-05	1.706E-05	8.786E-01	8.791E-01	8.763E-01	8.671E-01	4.336E-05	8.582E-06
65.0	5.854E-06	1.247E-05	1.247E-05	1.244E-05	6.921E-01	6.925E-01	6.927E-01	6.891E-01	4.171E-05	6.796E-06
75.0	4.454E-06	9.498E-06	9.498E-06	9.476E-06	5.627E-01	5.631E-01	5.643E-01	5.632E-01	4.020E-05	5.542E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.104E+04	3.537E+04	3.531E+04	3.531E+04	0.000E+00	3.550E+04	3.550E+04	3.550E+04	1.096E+00	
2.5	4.601E+03	1.340E+04	1.338E+04	1.338E+04	0.000E+00	1.347E+04	1.347E+04	1.347E+04	7.844E+00	
3.5	2.440E+03	5.886E+03	5.877E+03	5.877E+03	0.000E+00	5.926E+03	5.926E+03	5.926E+03	1.437E+01	
4.5	1.522E+03	3.413E+03	3.408E+03	3.408E+03	0.000E+00	3.440E+03	3.440E+03	3.440E+03	1.986E+01	
7.5	5.714E+02	1.161E+03	1.159E+03	1.159E+03	0.000E+00	1.173E+03	1.173E+03	1.173E+03	2.782E+01	
15.0	1.497E+02	2.863E+02	2.858E+02	2.858E+02	0.000E+00	2.904E+02	2.904E+02	2.904E+02	3.002E+01	
25.0	5.657E+01	1.060E+02	1.058E+02	1.058E+02	0.000E+00	1.080E+02	1.080E+02	1.080E+02	2.837E+01	
35.0	3.025E+01	5.621E+01	5.612E+01	5.612E+01	0.000E+00	5.744E+01	5.744E+01	5.744E+01	2.696E+01	
45.0	1.889E+01	3.503E+01	3.498E+01	3.498E+01	0.000E+00	3.590E+01	3.590E+01	3.590E+01	2.579E+01	
55.0	1.294E+01	2.403E+01	2.399E+01	2.399E+01	0.000E+00	2.468E+01	2.468E+01	2.468E+01	2.482E+01	
65.0	9.419E+00	1.752E+01	1.749E+01	1.749E+01	0.000E+00	1.804E+01	1.804E+01	1.804E+01	2.390E+01	
75.0	7.166E+00	1.334E+01	1.332E+01	1.332E+01	0.000E+00	1.377E+01	1.377E+01	1.377E+01	2.305E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.091E-05	2.696E-04	2.696E-04	2.690E-04
2.5	2.935E-05	1.012E-04	1.012E-04	1.010E-04
3.5	1.537E-05	4.352E-05	4.352E-05	4.349E-05
4.5	9.549E-06	2.499E-05	2.499E-05	2.504E-05
7.5	3.566E-06	8.383E-06	8.383E-06	8.512E-06
15.0	9.315E-07	2.047E-06	2.047E-06	2.201E-06
25.0	3.517E-07	7.551E-07	7.551E-07	9.031E-07
35.0	1.880E-07	3.999E-07	3.999E-07	5.408E-07
45.0	1.174E-07	2.492E-07	2.492E-07	3.840E-07
55.0	8.039E-08	1.710E-07	1.709E-07	3.006E-07
65.0	5.854E-08	1.247E-07	1.247E-07	2.495E-07
75.0	4.454E-08	9.498E-08	9.498E-08	2.153E-07

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.558E-03	8.017E-03	8.017E-03	7.998E-03	7.596E+01	5.007E+01	9.285E+00	1.925E+00	6.731E-07	1.058E-04
2.5	1.729E-03	5.121E-03	5.121E-03	5.109E-03	6.630E+01	5.633E+01	2.037E+01	8.391E+00	6.708E-06	1.926E-04
3.5	9.467E-04	2.483E-03	2.483E-03	2.477E-03	3.585E+01	3.327E+01	1.626E+01	9.266E+00	1.348E-05	1.512E-04
4.5	5.962E-04	1.481E-03	1.481E-03	1.478E-03	2.378E+01	2.288E+01	1.318E+01	8.813E+00	1.954E-05	1.232E-04
7.5	2.251E-04	5.180E-04	5.180E-04	5.168E-04	1.060E+01	1.053E+01	7.659E+00	6.070E+00	2.984E-05	7.232E-05
15.0	5.870E-05	1.285E-04	1.285E-04	1.282E-04	3.741E+00	3.742E+00	3.304E+00	2.908E+00	3.480E-05	3.145E-05
25.0	2.208E-05	4.744E-05	4.744E-05	4.733E-05	1.784E+00	1.785E+00	1.705E+00	1.604E+00	3.396E-05	1.647E-05
35.0	1.180E-05	2.513E-05	2.513E-05	2.507E-05	1.108E+00	1.108E+00	1.089E+00	1.056E+00	3.263E-05	1.060E-05
45.0	7.366E-06	1.561E-05	1.561E-05	1.557E-05	7.750E-01	7.755E-01	7.705E-01	7.586E-01	3.121E-05	7.535E-06
55.0	5.044E-06	1.069E-05	1.069E-05	1.067E-05	5.836E-01	5.840E-01	5.834E-01	5.790E-01	2.998E-05	5.719E-06
65.0	3.673E-06	7.803E-06	7.803E-06	7.785E-06	4.603E-01	4.605E-01	4.613E-01	4.600E-01	2.887E-05	4.529E-06
75.0	2.795E-06	5.947E-06	5.947E-06	5.933E-06	3.744E-01	3.747E-01	3.759E-01	3.758E-01	2.784E-05	3.693E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	5.711E+03	1.117E+04	1.115E+04	1.115E+04	0.000E+00	1.119E+04	1.119E+04	1.119E+04	4.002E-01
2.5	2.736E+03	6.891E+03	6.880E+03	6.880E+03	0.000E+00	6.925E+03	6.925E+03	6.925E+03	3.800E+00
3.5	1.509E+03	3.390E+03	3.385E+03	3.385E+03	0.000E+00	3.411E+03	3.411E+03	3.411E+03	7.603E+00
4.5	9.526E+02	2.037E+03	2.034E+03	2.034E+03	0.000E+00	2.052E+03	2.052E+03	2.052E+03	1.101E+01
7.5	3.609E+02	7.197E+02	7.185E+02	7.185E+02	0.000E+00	7.268E+02	7.268E+02	7.268E+02	1.680E+01
15.0	9.434E+01	1.798E+02	1.795E+02	1.795E+02	0.000E+00	1.825E+02	1.825E+02	1.825E+02	1.968E+01
25.0	3.551E+01	6.657E+01	6.646E+01	6.646E+01	0.000E+00	6.788E+01	6.788E+01	6.788E+01	1.929E+01
35.0	1.899E+01	3.531E+01	3.526E+01	3.526E+01	0.000E+00	3.613E+01	3.613E+01	3.613E+01	1.859E+01
45.0	1.185E+01	2.195E+01	2.192E+01	2.192E+01	0.000E+00	2.253E+01	2.253E+01	2.253E+01	1.782E+01
55.0	8.118E+00	1.504E+01	1.501E+01	1.501E+01	0.000E+00	1.547E+01	1.547E+01	1.547E+01	1.715E+01
65.0	5.911E+00	1.097E+01	1.095E+01	1.095E+01	0.000E+00	1.132E+01	1.132E+01	1.132E+01	1.653E+01
75.0	4.497E+00	8.357E+00	8.344E+00	8.344E+00	0.000E+00	8.640E+00	8.640E+00	8.640E+00	1.596E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.558E-05	8.017E-05	8.017E-05	7.998E-05
2.5	1.729E-05	5.121E-05	5.121E-05	5.111E-05
3.5	9.467E-06	2.483E-05	2.483E-05	2.481E-05
4.5	5.962E-06	1.481E-05	1.481E-05	1.484E-05
7.5	2.251E-06	5.180E-06	5.180E-06	5.257E-06
15.0	5.870E-07	1.285E-06	1.285E-06	1.386E-06
25.0	2.208E-07	4.744E-07	4.744E-07	5.752E-07
35.0	1.180E-07	2.513E-07	2.513E-07	3.486E-07
45.0	7.366E-08	1.561E-07	1.561E-07	2.494E-07
55.0	5.044E-08	1.069E-07	1.069E-07	1.966E-07
65.0	3.673E-08	7.803E-08	7.803E-08	1.645E-07
75.0	2.795E-08	5.947E-08	5.947E-08	1.428E-07

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.208E-04	2.531E-03	2.531E-03	2.525E-03	4.145E+01	3.974E+01	2.074E+01	1.119E+01	1.356E-05	1.878E-04
2.5	3.131E-04	9.955E-04	9.955E-04	9.932E-04	1.893E+01	1.857E+01	1.187E+01	7.909E+00	1.518E-05	1.088E-04
3.5	1.648E-04	4.932E-04	4.932E-04	4.921E-04	1.082E+01	1.072E+01	7.746E+00	5.829E+00	1.603E-05	7.206E-05
4.5	9.894E-05	2.959E-04	2.959E-04	2.952E-04	7.484E+00	7.449E+00	5.796E+00	4.674E+00	1.706E-05	5.449E-05
7.5	3.174E-05	9.379E-05	9.379E-05	9.357E-05	3.351E+00	3.349E+00	2.927E+00	2.590E+00	1.743E-05	2.795E-05
15.0	6.034E-06	1.698E-05	1.698E-05	1.694E-05	1.074E+00	1.075E+00	1.031E+00	9.803E-01	1.505E-05	9.993E-06
25.0	1.834E-06	4.709E-06	4.709E-06	4.698E-06	4.680E-01	4.683E-01	4.641E-01	4.565E-01	1.272E-05	4.538E-06
35.0	8.772E-07	2.084E-06	2.084E-06	2.079E-06	2.748E-01	2.750E-01	2.749E-01	2.736E-01	1.133E-05	2.698E-06
45.0	5.075E-07	1.137E-06	1.137E-06	1.135E-06	1.852E-01	1.853E-01	1.858E-01	1.858E-01	1.036E-05	1.826E-06
55.0	3.275E-07	7.025E-07	7.025E-07	7.009E-07	1.351E-01	1.352E-01	1.358E-01	1.360E-01	9.618E-06	1.335E-06
65.0	2.271E-07	4.709E-07	4.709E-07	4.698E-07	1.039E-01	1.039E-01	1.044E-01	1.047E-01	9.026E-06	1.027E-06
75.0	1.659E-07	3.360E-07	3.360E-07	3.353E-07	8.297E-02	8.302E-02	8.343E-02	8.370E-02	8.552E-06	8.207E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.128E+03	3.345E+03	3.340E+03	3.340E+03	0.000E+00	3.372E+03	3.372E+03	3.372E+03	7.569E+00
2.5	4.934E+02	1.329E+03	1.327E+03	1.327E+03	0.000E+00	1.342E+03	1.342E+03	1.342E+03	8.489E+00
3.5	2.607E+02	6.629E+02	6.619E+02	6.619E+02	0.000E+00	6.703E+02	6.703E+02	6.703E+02	8.969E+00
4.5	1.565E+02	3.978E+02	3.971E+02	3.971E+02	0.000E+00	4.030E+02	4.030E+02	4.030E+02	9.552E+00
7.5	5.025E+01	1.262E+02	1.260E+02	1.260E+02	0.000E+00	1.287E+02	1.287E+02	1.287E+02	9.776E+00
15.0	9.579E+00	2.298E+01	2.295E+01	2.295E+01	0.000E+00	2.380E+01	2.380E+01	2.380E+01	8.480E+00
25.0	2.925E+00	6.446E+00	6.436E+00	6.436E+00	0.000E+00	6.807E+00	6.807E+00	6.807E+00	7.203E+00
35.0	1.405E+00	2.882E+00	2.878E+00	2.878E+00	0.000E+00	3.095E+00	3.095E+00	3.095E+00	6.444E+00
45.0	8.149E-01	1.586E+00	1.584E+00	1.584E+00	0.000E+00	1.730E+00	1.730E+00	1.730E+00	5.905E+00
55.0	5.268E-01	9.861E-01	9.845E-01	9.845E-01	0.000E+00	1.092E+00	1.092E+00	1.092E+00	5.494E+00
65.0	3.658E-01	6.644E-01	6.633E-01	6.633E-01	0.000E+00	7.456E-01	7.456E-01	7.456E-01	5.165E+00
75.0	2.674E-01	4.758E-01	4.750E-01	4.750E-01	0.000E+00	5.408E-01	5.408E-01	5.408E-01	4.900E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.208E-06	2.531E-05	2.531E-05	2.529E-05
2.5	3.131E-06	9.955E-06	9.955E-06	9.977E-06
3.5	1.648E-06	4.932E-06	4.932E-06	4.969E-06
4.5	9.894E-07	2.959E-06	2.959E-06	3.004E-06
7.5	3.174E-07	9.379E-07	9.379E-07	9.880E-07
15.0	6.034E-08	1.698E-07	1.698E-07	2.145E-07
25.0	1.834E-08	4.709E-08	4.709E-08	6.513E-08
35.0	8.772E-09	2.084E-08	2.084E-08	5.479E-08
45.0	5.075E-09	1.137E-08	1.137E-08	4.242E-08
55.0	3.275E-09	7.025E-09	7.025E-09	3.586E-08
65.0	2.271E-09	4.709E-09	4.709E-09	3.178E-08
75.0	1.659E-09	3.360E-09	3.360E-09	2.901E-08



TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.180E-03	4.779E-03	4.779E-03	4.768E-03	4.551E+01	4.389E+01	2.652E+01	1.614E+01	2.350E-05	2.398E-04
2.5	1.439E-03	2.295E-03	2.295E-03	2.289E-03	2.918E+01	2.873E+01	2.025E+01	1.468E+01	3.302E-05	1.870E-04
3.5	7.913E-04	1.311E-03	1.311E-03	1.308E-03	2.061E+01	2.046E+01	1.576E+01	1.258E+01	3.974E-05	1.479E-04
4.5	4.902E-04	8.344E-04	8.344E-04	8.325E-04	1.555E+01	1.550E+01	1.262E+01	1.064E+01	4.427E-05	1.197E-04
7.5	1.734E-04	3.109E-04	3.109E-04	3.101E-04	8.402E+00	8.400E+00	7.461E+00	6.726E+00	5.026E-05	7.157E-05
15.0	4.008E-05	7.669E-05	7.669E-05	7.652E-05	3.444E+00	3.446E+00	3.303E+00	3.134E+00	5.060E-05	3.199E-05
25.0	1.410E-05	2.798E-05	2.798E-05	2.791E-05	1.751E+00	1.752E+00	1.731E+00	1.695E+00	4.742E-05	1.691E-05
35.0	7.453E-06	1.496E-05	1.496E-05	1.493E-05	1.120E+00	1.120E+00	1.118E+00	1.109E+00	4.489E-05	1.096E-05
45.0	4.627E-06	9.349E-06	9.349E-06	9.327E-06	7.960E-01	7.965E-01	7.980E-01	7.963E-01	4.261E-05	7.836E-06
55.0	3.153E-06	6.428E-06	6.428E-06	6.413E-06	6.073E-01	6.077E-01	6.098E-01	6.102E-01	4.088E-05	5.994E-06
65.0	2.284E-06	4.688E-06	4.688E-06	4.677E-06	4.826E-01	4.829E-01	4.850E-01	4.860E-01	3.932E-05	4.769E-06
75.0	1.727E-06	3.564E-06	3.564E-06	3.556E-06	3.946E-01	3.949E-01	3.968E-01	3.979E-01	3.789E-05	3.902E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	5.179E+03	7.138E+03	7.126E+03	7.126E+03	0.000E+00	7.160E+03	7.160E+03	7.160E+03	1.316E+01
2.5	2.339E+03	3.388E+03	3.382E+03	3.382E+03	0.000E+00	3.404E+03	3.404E+03	3.404E+03	1.853E+01
3.5	1.285E+03	1.922E+03	1.918E+03	1.918E+03	0.000E+00	1.935E+03	1.935E+03	1.935E+03	2.233E+01
4.5	7.954E+02	1.217E+03	1.215E+03	1.215E+03	0.000E+00	1.227E+03	1.227E+03	1.227E+03	2.489E+01
7.5	2.808E+02	4.492E+02	4.484E+02	4.484E+02	0.000E+00	4.551E+02	4.551E+02	4.551E+02	2.831E+01
15.0	6.477E+01	1.096E+02	1.094E+02	1.094E+02	0.000E+00	1.122E+02	1.122E+02	1.122E+02	2.862E+01
25.0	2.276E+01	3.975E+01	3.968E+01	3.968E+01	0.000E+00	4.107E+01	4.107E+01	4.107E+01	2.694E+01
35.0	1.202E+01	2.122E+01	2.118E+01	2.118E+01	0.000E+00	2.207E+01	2.207E+01	2.207E+01	2.558E+01
45.0	7.461E+00	1.324E+01	1.322E+01	1.322E+01	0.000E+00	1.385E+01	1.385E+01	1.385E+01	2.434E+01
55.0	5.083E+00	9.093E+00	9.078E+00	9.078E+00	0.000E+00	9.560E+00	9.560E+00	9.560E+00	2.338E+01
65.0	3.680E+00	6.625E+00	6.614E+00	6.614E+00	0.000E+00	6.996E+00	6.996E+00	6.996E+00	2.252E+01
75.0	2.782E+00	5.032E+00	5.024E+00	5.024E+00	0.000E+00	5.337E+00	5.337E+00	5.337E+00	2.172E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.180E-05	4.779E-05	4.779E-05	4.775E-05
2.5	1.439E-05	2.295E-05	2.295E-05	2.299E-05
3.5	7.913E-06	1.311E-05	1.311E-05	1.320E-05
4.5	4.902E-06	8.344E-06	8.344E-06	8.458E-06
7.5	1.734E-06	3.109E-06	3.109E-06	3.252E-06
15.0	4.008E-07	7.669E-07	7.669E-07	9.170E-07
25.0	1.410E-07	2.798E-07	2.798E-07	4.214E-07
35.0	7.453E-08	1.496E-07	1.496E-07	2.839E-07
45.0	4.627E-08	9.349E-08	9.349E-08	2.211E-07
55.0	3.153E-08	6.428E-08	6.428E-08	1.868E-07
65.0	2.284E-08	4.688E-08	4.688E-08	1.647E-07
75.0	1.727E-08	3.564E-08	3.564E-08	1.492E-07

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV.

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.005E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.664E-02	9.318E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.752E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.189E-01	4.974E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.855E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.594E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.752E-04	1.006E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.124E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.081E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.558E-01 PERSON-REM/YR

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.025E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.520E-01	8.481E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.261E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.079E+00	4.504E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.534E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.907E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.355E-03	8.949E-04	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.886E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.658E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.413E+00 PERSON-REM/YR

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0				
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.218E-02	0.000E+00	0.000E+00			
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.781E-02	4.250E-03	0.000E+00	0.000E+00	0.000E+00	
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.671E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.348E-01	2.187E-02	
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.731E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.302E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.636E-03	4.166E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.395E-03	0.000E+00	
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.696E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.982E-01 PERSON-REM/YR

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.484E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.002E-01	3.060E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.834E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.446E+00	1.496E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.498E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.856E-02	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.815E-02	5.256E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.134E-01	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.852E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.809E+00 PERSON-REM/YR



TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.401E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.540E-03	1.393E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.757E-05	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.747E-02	7.170E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.760E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.293E-05	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.382E-05	1.383E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.814E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.638E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.285E-02 PERSON-REM/YR

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.925E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.156E-03	2.612E-04	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.533E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.979E-02	1.304E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.262E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.147E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.584E-04	4.615E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.994E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.622E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.149E-02 PERSON-REM/YR



TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.512E-02	1.667E-02	1.197E-02	9.194E-03	2.770E-02	2.890E-02	1.998E-02	1.718E-02	1.597E-02	1.547E-02	1.533E-02	1.539E-02
NNE	3.332E-02	2.380E-02	1.476E-02	1.120E-02	3.207E-02	3.259E-02	2.196E-02	1.826E-02	1.648E-02	1.555E-02	1.513E-02	1.501E-02
NE	4.737E-02	2.972E-02	1.799E-02	1.335E-02	3.783E-02	3.869E-02	2.587E-02	2.115E-02	1.886E-02	1.766E-02	1.700E-02	1.665E-02
ENE	4.097E-02	2.996E-02	1.797E-02	1.264E-02	3.332E-02	3.227E-02	2.152E-02	1.789E-02	1.611E-02	1.517E-02	1.468E-02	1.444E-02
E	1.430E-02	1.510E-02	1.029E-02	7.923E-03	2.339E-02	2.435E-02	1.643E-02	1.357E-02	1.217E-02	1.147E-02	1.113E-02	1.097E-02
ESE	5.798E-03	5.730E-03	5.055E-03	4.314E-03	1.494E-02	1.776E-02	1.243E-02	1.017E-02	8.935E-03	8.187E-03	7.712E-03	7.414E-03
SE	3.576E-03	1.737E-03	1.373E-03	1.197E-03	4.460E-03	5.632E-03	4.092E-03	3.418E-03	3.056E-03	2.845E-03	2.718E-03	2.642E-03
SSE	2.650E-03	1.512E-03	5.542E-04	4.055E-04	1.035E-03	9.304E-04	6.145E-04	5.060E-04	4.484E-04	4.126E-04	3.883E-04	3.709E-04
S	4.461E-03	2.939E-03	2.049E-03	1.590E-03	4.324E-03	3.617E-03	2.255E-03	1.939E-03	1.870E-03	1.892E-03	1.954E-03	2.037E-03
SSW	7.038E-03	5.625E-03	4.602E-03	3.838E-03	1.253E-02	1.366E-02	9.290E-03	7.740E-03	7.052E-03	6.749E-03	6.687E-03	6.752E-03
SW	8.581E-03	7.164E-03	5.937E-03	5.020E-03	1.696E-02	1.928E-02	1.342E-02	1.130E-02	1.040E-02	1.005E-02	9.960E-03	1.002E-02
WSW	8.424E-03	6.708E-03	5.354E-03	4.389E-03	1.389E-02	1.490E-02	1.069E-02	9.559E-03	9.179E-03	9.127E-03	9.242E-03	9.446E-03
W	8.685E-03	6.946E-03	5.563E-03	4.570E-03	1.450E-02	1.582E-02	1.157E-02	1.050E-02	1.021E-02	1.031E-02	1.056E-02	1.088E-02
WNW	1.195E-02	9.146E-03	7.351E-03	6.047E-03	1.916E-02	2.067E-02	1.490E-02	1.343E-02	1.304E-02	1.311E-02	1.341E-02	1.388E-02
NW	1.384E-02	1.129E-02	8.520E-03	6.948E-03	2.183E-02	2.336E-02	1.636E-02	1.428E-02	1.345E-02	1.317E-02	1.317E-02	1.332E-02
NNW	1.665E-02	1.283E-02	9.160E-03	7.264E-03	2.214E-02	2.319E-02	1.621E-02	1.408E-02	1.320E-02	1.286E-02	1.280E-02	1.289E-02

TOTAL DOSE COMMITMENT IS 2.345E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.025E-01	2.007E-01	1.442E-01	1.107E-01	3.331E-01	3.454E-01	2.363E-01	2.010E-01	1.852E-01	1.779E-01	1.751E-01	1.749E-01
NNE	4.007E-01	2.861E-01	1.775E-01	1.347E-01	3.856E-01	3.901E-01	2.606E-01	2.148E-01	1.922E-01	1.801E-01	1.740E-01	1.716E-01
NE	5.689E-01	3.570E-01	2.164E-01	1.605E-01	4.549E-01	4.636E-01	3.078E-01	2.497E-01	2.210E-01	2.055E-01	1.965E-01	1.913E-01
ENE	4.918E-01	3.597E-01	2.159E-01	1.520E-01	4.005E-01	3.865E-01	2.557E-01	2.108E-01	1.884E-01	1.761E-01	1.692E-01	1.655E-01
E	1.722E-01	1.815E-01	1.238E-01	9.533E-02	2.813E-01	2.917E-01	1.953E-01	1.599E-01	1.423E-01	1.332E-01	1.283E-01	1.257E-01
ESE	7.008E-02	6.911E-02	6.093E-02	5.199E-02	1.798E-01	2.132E-01	1.485E-01	1.208E-01	1.055E-01	9.608E-02	9.001E-02	8.608E-02
SE	4.303E-02	2.097E-02	1.658E-02	1.445E-02	5.375E-02	6.758E-02	4.878E-02	4.045E-02	3.590E-02	3.320E-02	3.152E-02	3.047E-02
SSE	3.176E-02	1.812E-02	6.648E-03	4.862E-03	1.239E-02	1.104E-02	7.230E-03	5.914E-03	5.213E-03	4.774E-03	4.474E-03	4.257E-03
S	5.358E-02	3.531E-02	2.461E-02	1.909E-02	5.179E-02	4.282E-02	2.617E-02	2.213E-02	2.110E-02	2.118E-02	2.174E-02	2.258E-02
SSW	8.487E-02	6.782E-02	5.545E-02	4.623E-02	1.506E-01	1.632E-01	1.098E-01	9.049E-02	8.160E-02	7.740E-02	7.612E-02	7.639E-02
SW	1.037E-01	8.650E-02	7.163E-02	6.054E-02	2.041E-01	2.306E-01	1.587E-01	1.323E-01	1.205E-01	1.154E-01	1.135E-01	1.136E-01
WSW	1.017E-01	8.094E-02	6.456E-02	5.290E-02	1.670E-01	1.777E-01	1.258E-01	1.112E-01	1.056E-01	1.042E-01	1.048E-01	1.065E-01
W	1.049E-01	8.386E-02	6.711E-02	5.509E-02	1.744E-01	1.884E-01	1.358E-01	1.218E-01	1.172E-01	1.173E-01	1.194E-01	1.224E-01
WNW	1.443E-01	1.104E-01	8.870E-02	7.291E-02	2.304E-01	2.461E-01	1.748E-01	1.554E-01	1.493E-01	1.488E-01	1.512E-01	1.558E-01
NW	1.672E-01	1.361E-01	1.027E-01	8.371E-02	2.625E-01	2.787E-01	1.929E-01	1.665E-01	1.553E-01	1.508E-01	1.498E-01	1.506E-01
NNW	2.008E-01	1.546E-01	1.103E-01	8.747E-02	2.661E-01	2.768E-01	1.914E-01	1.645E-01	1.528E-01	1.477E-01	1.460E-01	1.463E-01

TOTAL DOSE COMMITMENT IS 2.773E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.012E-02	6.716E-03	4.823E-03	3.703E-03	1.118E-02	1.177E-02	8.260E-03	7.202E-03	6.782E-03	6.638E-03	6.636E-03	6.711E-03
NNE	1.346E-02	9.624E-03	5.957E-03	4.520E-03	1.295E-02	1.325E-02	9.032E-03	7.600E-03	6.938E-03	6.615E-03	6.492E-03	6.489E-03
NE	1.920E-02	1.203E-02	7.272E-03	5.390E-03	1.528E-02	1.570E-02	1.060E-02	8.761E-03	7.894E-03	7.465E-03	7.248E-03	7.152E-03
ENE	1.661E-02	1.215E-02	7.273E-03	5.113E-03	1.347E-02	1.311E-02	8.831E-03	7.427E-03	6.765E-03	6.434E-03	6.278E-03	6.222E-03
E	5.760E-03	6.104E-03	4.155E-03	3.198E-03	9.441E-03	9.882E-03	6.740E-03	5.631E-03	5.109E-03	4.865E-03	4.759E-03	4.726E-03
ESE	2.319E-03	2.301E-03	2.033E-03	1.736E-03	6.017E-03	7.183E-03	5.066E-03	4.179E-03	3.702E-03	3.420E-03	3.246E-03	3.142E-03
SE	1.443E-03	6.961E-04	5.501E-04	4.800E-04	1.794E-03	2.280E-03	1.673E-03	1.411E-03	1.275E-03	1.198E-03	1.154E-03	1.130E-03
SSE	1.078E-03	6.149E-04	2.249E-04	1.646E-04	4.217E-04	3.829E-04	2.558E-04	2.125E-04	1.897E-04	1.756E-04	1.662E-04	1.595E-04
S	1.807E-03	1.190E-03	8.291E-04	6.439E-04	1.757E-03	1.494E-03	9.564E-04	8.400E-04	8.226E-04	8.407E-04	8.740E-04	9.157E-04
SSW	2.828E-03	2.261E-03	1.851E-03	1.545E-03	5.056E-03	5.563E-03	3.841E-03	3.250E-03	3.002E-03	2.907E-03	2.908E-03	2.959E-03
SW	3.435E-03	2.872E-03	2.382E-03	2.016E-03	6.831E-03	7.842E-03	5.539E-03	4.737E-03	4.422E-03	4.320E-03	4.324E-03	4.385E-03
WSW	3.376E-03	2.691E-03	2.150E-03	1.765E-03	5.603E-03	6.081E-03	4.444E-03	4.042E-03	3.935E-03	3.955E-03	4.040E-03	4.157E-03
W	3.475E-03	2.784E-03	2.232E-03	1.836E-03	5.850E-03	6.471E-03	4.830E-03	4.460E-03	4.395E-03	4.484E-03	4.631E-03	4.804E-03
WNW	4.785E-03	3.665E-03	2.950E-03	2.429E-03	7.728E-03	8.454E-03	6.227E-03	5.713E-03	5.627E-03	5.720E-03	5.899E-03	6.149E-03
NW	5.548E-03	4.534E-03	3.424E-03	2.795E-03	8.809E-03	9.529E-03	6.788E-03	6.018E-03	5.744E-03	5.683E-03	5.732E-03	5.839E-03
NNW	6.693E-03	5.168E-03	3.688E-03	2.926E-03	8.939E-03	9.454E-03	6.713E-03	5.918E-03	5.618E-03	5.531E-03	5.552E-03	5.631E-03

TOTAL DOSE COMMITMENT IS 9.691E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
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EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.246E-01	8.269E-02	5.938E-02	4.559E-02	1.374E-01	1.438E-01	9.992E-02	8.630E-02	8.059E-02	7.833E-02	7.786E-02	7.838E-02
NNE	1.657E-01	1.184E-01	7.332E-02	5.562E-02	1.593E-01	1.621E-01	1.096E-01	9.151E-02	8.290E-02	7.852E-02	7.661E-02	7.619E-02
NE	2.361E-01	1.480E-01	8.948E-02	6.633E-02	1.879E-01	1.924E-01	1.290E-01	1.058E-01	9.470E-02	8.898E-02	8.590E-02	8.434E-02
ENE	2.042E-01	1.494E-01	8.946E-02	6.290E-02	1.656E-01	1.605E-01	1.074E-01	8.959E-02	8.100E-02	7.653E-02	7.424E-02	7.322E-02
E	7.093E-02	7.511E-02	5.113E-02	3.935E-02	1.161E-01	1.211E-01	8.196E-02	6.794E-02	6.118E-02	5.787E-02	5.628E-02	5.562E-02
ESE	2.860E-02	2.836E-02	2.504E-02	2.138E-02	7.405E-02	8.816E-02	6.188E-02	5.076E-02	4.472E-02	4.108E-02	3.880E-02	3.739E-02
SE	1.776E-02	8.581E-03	6.783E-03	5.916E-03	2.208E-02	2.796E-02	2.039E-02	1.709E-02	1.533E-02	1.431E-02	1.371E-02	1.336E-02
SSE	1.324E-02	7.554E-03	2.763E-03	2.021E-03	5.163E-03	4.650E-03	3.081E-03	2.544E-03	2.260E-03	2.084E-03	1.965E-03	1.880E-03
S	2.222E-02	1.463E-02	1.019E-02	7.914E-03	2.154E-02	1.811E-02	1.138E-02	9.852E-03	9.552E-03	9.698E-03	1.004E-02	1.048E-02
SSW	3.484E-02	2.785E-02	2.280E-02	1.902E-02	6.214E-02	6.796E-02	4.645E-02	3.890E-02	3.561E-02	3.422E-02	3.401E-02	3.444E-02
SW	4.236E-02	3.540E-02	2.935E-02	2.483E-02	8.399E-02	9.586E-02	6.704E-02	5.676E-02	5.251E-02	5.091E-02	5.063E-02	5.109E-02
WSW	4.162E-02	3.317E-02	2.648E-02	2.172E-02	6.884E-02	7.414E-02	5.353E-02	4.816E-02	4.646E-02	4.637E-02	4.709E-02	4.825E-02
W	4.286E-02	3.431E-02	2.750E-02	2.260E-02	7.186E-02	7.879E-02	5.803E-02	5.299E-02	5.176E-02	5.243E-02	5.386E-02	5.564E-02
WNW	5.900E-02	4.518E-02	3.634E-02	2.991E-02	9.494E-02	1.029E-01	7.476E-02	6.778E-02	6.614E-02	6.676E-02	6.847E-02	7.107E-02
NW	6.840E-02	5.586E-02	4.218E-02	3.441E-02	1.082E-01	1.163E-01	8.189E-02	7.187E-02	6.800E-02	6.681E-02	6.700E-02	6.794E-02
NNW	8.246E-02	6.364E-02	4.541E-02	3.602E-02	1.098E-01	1.154E-01	8.111E-02	7.081E-02	6.666E-02	6.518E-02	6.506E-02	6.568E-02

TOTAL DOSE COMMITMENT IS 1.173E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
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EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	7.788E-04	5.166E-04	3.720E-04	2.861E-04	8.569E-04	8.698E-04	5.731E-04	4.689E-04	4.164E-04	3.871E-04	3.702E-04	3.606E-04
NNE	1.011E-03	7.192E-04	4.515E-04	3.436E-04	9.854E-04	9.846E-04	6.397E-04	5.106E-04	4.427E-04	4.024E-04	3.782E-04	3.638E-04
NE	1.409E-03	8.892E-04	5.460E-04	4.073E-04	1.161E-03	1.174E-03	7.621E-04	6.017E-04	5.174E-04	4.677E-04	4.358E-04	4.143E-04
ENE	1.214E-03	8.881E-04	5.394E-04	3.826E-04	1.018E-03	9.770E-04	6.306E-04	5.045E-04	4.372E-04	3.970E-04	3.714E-04	3.546E-04
E	4.429E-04	4.568E-04	3.142E-04	2.429E-04	7.192E-04	7.384E-04	4.820E-04	3.831E-04	3.308E-04	3.005E-04	2.817E-04	2.694E-04
ESE	1.887E-04	1.814E-04	1.586E-04	1.351E-04	4.654E-04	5.457E-04	3.733E-04	2.974E-04	2.541E-04	2.264E-04	2.076E-04	1.945E-04
SE	1.096E-04	5.580E-05	4.424E-05	3.835E-05	1.408E-04	1.734E-04	1.220E-04	9.844E-05	8.503E-05	7.657E-05	7.092E-05	6.699E-05
SSE	7.675E-05	4.387E-05	1.641E-05	1.201E-05	3.058E-05	2.681E-05	1.711E-05	1.369E-05	1.183E-05	1.064E-05	9.801E-06	9.182E-06
S	1.333E-04	8.833E-05	6.175E-05	4.782E-05	1.287E-04	1.025E-04	5.848E-05	4.640E-05	4.205E-05	4.065E-05	4.061E-05	4.134E-05
SSW	2.223E-04	1.773E-04	1.445E-04	1.201E-04	3.886E-04	4.118E-04	2.665E-04	2.105E-04	1.822E-04	1.666E-04	1.585E-04	1.547E-04
SW	2.777E-04	2.301E-04	1.896E-04	1.596E-04	5.324E-04	5.860E-04	3.874E-04	3.094E-04	2.706E-04	2.496E-04	2.378E-04	2.314E-04
WSW	2.706E-04	2.141E-04	1.700E-04	1.388E-04	4.339E-04	4.473E-04	3.010E-04	2.534E-04	2.307E-04	2.194E-04	2.141E-04	2.122E-04
W	2.817E-04	2.233E-04	1.777E-04	1.452E-04	4.535E-04	4.714E-04	3.213E-04	2.741E-04	2.527E-04	2.439E-04	2.409E-04	2.411E-04
WNW	3.854E-04	2.942E-04	2.349E-04	1.922E-04	5.996E-04	6.162E-04	4.127E-04	3.477E-04	3.190E-04	3.061E-04	3.016E-04	3.031E-04
NW	4.447E-04	3.566E-04	2.691E-04	2.185E-04	6.789E-04	7.006E-04	4.636E-04	3.832E-04	3.435E-04	3.221E-04	3.106E-04	3.046E-04
NNW	5.242E-04	3.988E-04	2.856E-04	2.261E-04	6.839E-04	6.950E-04	4.618E-04	3.814E-04	3.414E-04	3.192E-04	3.067E-04	2.997E-04

TOTAL DOSE COMMITMENT IS 6.710E-02 PERSON-REM/YR

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EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.049E-02	6.954E-03	5.001E-03	3.841E-03	1.147E-02	1.150E-02	7.411E-03	5.916E-03	5.125E-03	4.654E-03	4.355E-03	4.159E-03
NNE	1.370E-02	9.760E-03	6.100E-03	4.635E-03	1.324E-02	1.308E-02	8.345E-03	6.527E-03	5.541E-03	4.935E-03	4.547E-03	4.292E-03
NE	1.922E-02	1.211E-02	7.399E-03	5.506E-03	1.562E-02	1.564E-02	1.000E-02	7.761E-03	6.552E-03	5.814E-03	5.319E-03	4.971E-03
ENE	1.658E-02	1.213E-02	7.333E-03	5.186E-03	1.371E-02	1.301E-02	8.256E-03	6.482E-03	5.508E-03	4.903E-03	4.501E-03	4.222E-03
E	5.965E-03	6.197E-03	4.249E-03	3.279E-03	9.670E-03	9.832E-03	6.313E-03	4.924E-03	4.167E-03	3.712E-03	3.414E-03	3.207E-03
ESE	2.504E-03	2.427E-03	2.127E-03	1.812E-03	6.239E-03	7.280E-03	4.932E-03	3.883E-03	3.274E-03	2.878E-03	2.602E-03	2.405E-03
SE	1.481E-03	7.431E-04	5.885E-04	5.108E-04	1.878E-03	2.304E-03	1.602E-03	1.274E-03	1.083E-03	9.588E-04	8.734E-04	8.118E-04
SSE	1.056E-03	6.025E-04	2.234E-04	1.631E-04	4.112E-04	3.520E-04	2.195E-04	1.725E-04	1.468E-04	1.302E-04	1.185E-04	1.097E-04
S	1.815E-03	1.200E-03	8.369E-04	6.474E-04	1.733E-03	1.343E-03	7.261E-04	5.461E-04	4.730E-04	4.413E-04	4.290E-04	4.279E-04
SSW	2.975E-03	2.373E-03	1.934E-03	1.608E-03	5.191E-03	5.438E-03	3.440E-03	2.646E-03	2.228E-03	1.982E-03	1.841E-03	1.757E-03
SW	3.689E-03	3.062E-03	2.526E-03	2.127E-03	7.088E-03	7.729E-03	5.003E-03	3.897E-03	3.319E-03	2.982E-03	2.774E-03	2.642E-03
WSW	3.603E-03	2.854E-03	2.268E-03	1.852E-03	5.772E-03	5.868E-03	3.842E-03	3.140E-03	2.778E-03	2.571E-03	2.450E-03	2.379E-03
W	3.740E-03	2.971E-03	2.367E-03	1.934E-03	6.026E-03	6.167E-03	4.076E-03	3.368E-03	3.012E-03	2.830E-03	2.729E-03	2.674E-03
WNW	5.126E-03	3.913E-03	3.128E-03	2.560E-03	7.969E-03	8.060E-03	5.225E-03	4.254E-03	3.776E-03	3.520E-03	3.381E-03	3.325E-03
NW	5.922E-03	4.770E-03	3.597E-03	2.921E-03	9.052E-03	9.219E-03	5.947E-03	4.783E-03	4.174E-03	3.817E-03	3.596E-03	3.455E-03
NNW	7.024E-03	5.363E-03	3.834E-03	3.034E-03	9.148E-03	9.174E-03	5.952E-03	4.792E-03	4.181E-03	3.818E-03	3.588E-03	3.438E-03

TOTAL DOSE COMMITMENT IS 8.694E-01 PERSON-REM/YR

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SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 3--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.558E-01	1.413E+00	6.982E-01	1.305E-01	7.264E-02	4.809E+00
GROUND	2.285E-02	2.285E-02	2.285E-02	2.285E-02	2.285E-02	2.285E-02
CLOUD	4.149E-02	4.149E-02	4.149E-02	4.149E-02	4.149E-02	4.149E-02
VEG. ING	1.172E+00	1.387E+01	1.172E+00	3.614E+00	3.037E+00	1.172E+00
MEAT ING	4.115E-02	4.980E-01	4.115E-02	1.333E-01	1.097E-01	4.115E-02
MILK ING	3.526E-02	4.568E-01	3.526E-02	7.338E-02	7.737E-02	3.526E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.469E+00	1.630E+01	2.011E+00	4.016E+00	3.361E+00	6.122E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.172E+00	1.386E+01	1.172E+00	3.614E+00	3.037E+00	1.172E+00
MEAT ING	9.280E-01	1.123E+01	9.280E-01	3.006E+00	2.475E+00	9.280E-01
MILK ING	3.184E-02	4.125E-01	3.184E-02	6.626E-02	6.987E-02	3.184E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.132E+00	2.551E+01	2.132E+00	6.686E+00	5.581E+00	2.132E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.558E-01	1.413E+00	6.982E-01	1.305E-01	7.264E-02	4.809E+00
GROUND	2.285E-02	2.285E-02	2.285E-02	2.285E-02	2.285E-02	2.285E-02
CLOUD	4.149E-02	4.149E-02	4.149E-02	4.149E-02	4.149E-02	4.149E-02
VEG. ING	2.345E+00	2.773E+01	2.345E+00	7.228E+00	6.073E+00	2.345E+00
MEAT ING	9.691E-01	1.173E+01	9.691E-01	3.140E+00	2.584E+00	9.691E-01
MILK ING	6.710E-02	8.694E-01	6.710E-02	1.396E-01	1.472E-01	6.710E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.601E+00	4.180E+01	4.143E+00	1.070E+01	8.942E+00	8.254E+00



NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	1.268E-05	2.789E-05	2.789E-05	2.782E-05	2.038E+01	3.900E+01	3.894E+01	3.894E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.268E-05	2.789E-05	2.789E-05	2.782E-05	2.038E+01	3.900E+01	3.894E+01	3.894E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.032E-01	1.128E-01	1.128E-01	1.125E-01	1.695E+05	1.812E+05	1.809E+05	1.809E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.032E-01	1.128E-01	1.128E-01	1.125E-01	1.695E+05	1.812E+05	1.809E+05	1.809E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	3.263E-03	9.536E-03	9.536E-03	9.514E-03	5.169E+03	1.285E+04	1.283E+04	1.283E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.263E-03	9.536E-03	9.536E-03	9.514E-03	5.169E+03	1.285E+04	1.283E+04	1.283E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.569E-03	7.551E-03	7.551E-03	7.534E-03	4.068E+03	1.017E+04	1.015E+04	1.015E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.569E-03	7.551E-03	7.551E-03	7.534E-03	4.068E+03	1.017E+04	1.015E+04	1.015E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.326E-02	1.882E-02	1.881E-02	1.877E-02	2.164E+04	2.844E+04	2.839E+04	2.839E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.326E-02	1.882E-02	1.881E-02	1.877E-02	2.164E+04	2.844E+04	2.839E+04	2.839E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.269E-02	4.467E-02	4.467E-02	4.456E-02	5.339E+04	6.806E+04	6.794E+04	6.794E+04
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.269E-02	4.467E-02	4.467E-02	4.456E-02	5.339E+04	6.806E+04	6.794E+04	6.794E+04
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.649E-03	1.152E-02	1.151E-02	1.149E-02	5.754E+03	1.539E+04	1.536E+04	1.536E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.649E-03	1.152E-02	1.151E-02	1.149E-02	5.754E+03	1.539E+04	1.536E+04	1.536E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.488E-03	1.394E-02	1.394E-02	1.391E-02	1.379E+04	2.047E+04	2.043E+04	2.043E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		8.488E-03	1.394E-02	1.394E-02	1.391E-02	1.379E+04	2.047E+04	2.043E+04	2.043E+04

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	2.941E-02	3.590E-02	3.589E-02	3.581E-02	4.816E+04	5.610E+04	5.600E+04	5.600E+04
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.941E-02	3.590E-02	3.589E-02	3.581E-02	4.816E+04	5.610E+04	5.600E+04	5.600E+04
10	Ballroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Ballroil	2	1.247E-05	2.777E-05	2.776E-05	2.770E-05	2.003E+01	3.876E+01	3.870E+01	3.870E+01
10	Ballroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Ballroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.247E-05	2.777E-05	2.776E-05	2.770E-05	2.003E+01	3.876E+01	3.870E+01	3.870E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	1.183E-05	2.507E-05	2.507E-05	2.501E-05	1.904E+01	3.525E+01	3.519E+01	3.519E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.183E-05	2.507E-05	2.507E-05	2.501E-05	1.904E+01	3.525E+01	3.519E+01	3.519E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	2.411E-06	5.172E-06	5.171E-06	5.159E-06	3.878E+00	7.259E+00	7.247E+00	7.247E+00
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.411E-06	5.172E-06	5.171E-06	5.159E-06	3.878E+00	7.259E+00	7.247E+00	7.247E+00
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	5.916E-03	2.639E-02	2.639E-02	2.633E-02	9.085E+03	3.416E+04	3.411E+04	3.411E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		5.916E-03	2.639E-02	2.639E-02	2.633E-02	9.085E+03	3.416E+04	3.411E+04	3.411E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.153E-03	6.630E-03	6.629E-03	6.614E-03	3.400E+03	8.882E+03	8.868E+03	8.868E+03
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.153E-03	6.630E-03	6.629E-03	6.614E-03	3.400E+03	8.882E+03	8.868E+03	8.868E+03



NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS											
	AIRBORNE CONCENTRATIONS, PCI/M3					GROUND CONCENTRATIONS, PCI/M2						
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.648E+00	1.649E+00	1.598E+00	1.526E+00	3.796E-05	1.028E-06	7.253E-10	1.549E-05	1.306E+00	1.306E+00	1.306E+00	2.206E+01
2	2.137E+02	1.901E+02	6.292E+01	1.883E+01	8.842E-06	5.006E-09	8.193E-14	5.850E-04	1.505E+02	1.505E+02	1.505E+02	4.932E+00
3	1.066E+02	9.491E+01	3.306E+01	1.104E+01	6.109E-06	4.047E-09	7.707E-14	3.066E-04	7.517E+01	7.517E+01	7.517E+01	3.408E+00
4	8.708E+01	6.625E+01	1.760E+01	5.216E+00	2.646E-06	1.710E-09	3.442E-14	1.769E-04	5.247E+01	5.247E+01	5.247E+01	1.516E+00
5	9.936E+01	9.082E+01	3.685E+01	1.422E+01	9.495E-06	7.486E-09	1.685E-13	3.334E-04	7.193E+01	7.193E+01	7.193E+01	5.296E+00
6	2.062E+02	1.698E+02	4.225E+01	9.592E+00	3.228E-06	1.333E-09	1.607E-14	4.249E-04	1.345E+02	1.345E+02	1.345E+02	1.800E+00
7	1.363E+02	1.192E+02	3.782E+01	1.144E+01	5.558E-06	3.257E-09	5.509E-14	3.572E-04	9.441E+01	9.441E+01	9.441E+01	3.100E+00
8	9.573E+01	8.667E+01	3.318E+01	1.220E+01	7.665E-06	5.720E-09	1.222E-13	3.030E-04	6.865E+01	6.865E+01	6.865E+01	4.276E+00
9	1.276E+02	1.160E+02	4.580E+01	1.669E+01	1.019E-05	7.384E-09	1.533E-13	4.140E-04	9.191E+01	9.191E+01	9.191E+01	5.685E+00
10	1.749E+00	1.750E+00	1.717E+00	1.664E+00	5.269E-05	1.825E-06	1.662E-09	1.671E-05	1.386E+00	1.386E+00	1.386E+00	3.064E+01
11	6.266E-01	6.270E-01	6.243E-01	6.165E-01	2.854E-05	1.423E-06	1.891E-09	6.111E-06	4.966E-01	4.966E-01	4.966E-01	1.619E+01
12	2.779E-01	2.781E-01	2.768E-01	2.730E-01	1.385E-05	8.367E-07	1.389E-09	2.708E-06	2.203E-01	2.203E-01	2.203E-01	8.000E+00
13	3.329E+02	2.323E+02	4.239E+01	7.857E+00	2.305E-06	9.867E-10	1.583E-14	4.835E-04	1.840E+02	1.840E+02	1.840E+02	1.338E+00
14	9.754E+01	8.869E+01	3.939E+01	1.897E+01	1.904E-05	2.240E-08	7.545E-13	3.618E-04	7.024E+01	7.024E+01	7.024E+01	1.075E+01



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 90  
 METSET: Sweetwater WY DATA: f:20cfr.in 02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222 (WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.27E-05	1.27E-05	2.79E-05	2.79E-05	1.55E-05	6.58E-05	2.88E-05	2.78E-05
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.54E-06	3.17E-06	3.49E-04	1.39E-05	4.65E-04	1.64E-05	1.44E-07	3.97E-06

SUM OF FRACTIONS EQUALS 8.54E-04

NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222 (WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.13E-01	1.13E-01	5.85E-04	1.13E-01	1.13E-01	1.13E-01
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.06E-02	2.58E-02	1.41E+00	5.64E-02	1.76E-02	2.81E-02	5.63E-04	1.61E-02

SUM OF FRACTIONS EQUALS 1.58E+00

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 3, Cell 1 closed, 2 & 3 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 1 NAME=Nearest Resident X= 28.0KM Y= 0.0KM Z= 73.9M DIST= 28.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.27E-05	1.27E-05	2.79E-05	2.79E-05	1.55E-05	6.58E-05	2.88E-05	2.78E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.12E-04	2.54E-04	9.30E-04	3.10E-05	1.41E-02	1.10E-04	7.20E-07	3.09E-05

SUM OF FRACTIONS EQUALS 1.57E-02

NUMBER 2 NAME= N Permit Area Boun X= 0.0KM Y= 0.3KM Z= 6.9M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.13E-01	1.13E-01	5.85E-04	1.13E-01	1.13E-01	1.13E-01
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.72E+00	2.06E+00	3.77E+00	1.26E-01	5.32E-01	1.88E-01	2.83E-03	1.26E-01

SUM OF FRACTIONS EQUALS 8.52E+00

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 3, Cell 1 closed, 2 & 3 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 3 NAME= S Permit Area Boun X= 0.0KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.26E-03	3.26E-03	9.54E-03	9.54E-03	3.07E-04	9.52E-03	9.51E-03	9.51E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.43E-02	6.52E-02	3.18E-01	1.06E-02	2.79E-01	1.59E-02	2.38E-04	1.06E-02
SUM OF FRACTIONS EQUALS		7.54E-01						

NUMBER 4 NAME= E Permit Area Boun X= 1.9KM Y= 0.0KM Z= -0.8M DIST= 1.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.57E-03	2.57E-03	7.55E-03	7.55E-03	1.77E-04	7.54E-03	7.53E-03	7.53E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.28E-02	5.14E-02	2.52E-01	8.39E-03	1.61E-01	1.26E-02	1.88E-04	8.37E-03
SUM OF FRACTIONS EQUALS		5.36E-01						

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 3, Cell 1 closed, 2 & 3 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 5 NAME= W Permit Area Boun X= -0.3KM Y= 0.0KM Z= -3.8M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.33E-02	1.33E-02	1.88E-02	1.88E-02	3.33E-04	1.88E-02	1.88E-02	1.88E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.22E-01	2.66E-01	6.27E-01	2.09E-02	3.03E-01	3.13E-02	4.70E-04	2.09E-02

SUM OF FRACTIONS EQUALS 1.49E+00

NUMBER 6 NAME= NE Permit Area Boun X= 0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.27E-02	3.27E-02	4.47E-02	4.47E-02	4.25E-04	4.46E-02	4.46E-02	4.46E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.45E-01	6.54E-01	1.49E+00	4.97E-02	3.86E-01	7.43E-02	1.12E-03	4.96E-02

SUM OF FRACTIONS EQUALS 3.25E+00

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 3, Cell 1 closed, 2 & 3 full

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 7 NAME= SE Permit Area Boun X= 0.2KM Y= -0.2KM Z= -0.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.65E-03	3.65E-03	1.15E-02	1.15E-02	3.57E-04	1.15E-02	1.15E-02	1.15E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	6.08E-02	7.30E-02	3.83E-01	1.28E-02	3.25E-01	1.92E-02	2.88E-04	1.28E-02

SUM OF FRACTIONS EQUALS 8.87E-01

NUMBER 8 NAME= SW Permit Area Boun X= -0.2KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.49E-03	8.49E-03	1.39E-02	1.39E-02	3.03E-04	1.39E-02	1.39E-02	1.39E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.42E-01	1.70E-01	4.63E-01	1.54E-02	2.75E-01	2.32E-02	3.48E-04	1.54E-02

SUM OF FRACTIONS EQUALS 1.10E+00

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 3, Cell 1 closed, 2 & 3 full

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 9 NAME= NW Permit Area Boun X= -0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.94E-02	2.94E-02	3.59E-02	3.59E-04	4.14E-04	3.58E-02	3.58E-02	3.58E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.90E-01	5.88E-01	1.20E+00	3.99E-04	3.76E-01	5.97E-02	8.95E-04	3.98E-02

SUM OF FRACTIONS EQUALS 2.75E+00

NUMBER 10 NAME= Baroil X= 28.6KM Y= 21.6KM Z= 107.4M DIST= 35.8KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.25E-05	1.25E-05	2.78E-05	2.78E-05	1.67E-05	8.04E-05	2.95E-05	2.77E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.08E-04	2.50E-04	9.27E-04	3.09E-05	1.52E-02	1.34E-04	7.38E-07	3.08E-05

SUM OF FRACTIONS EQUALS 1.68E-02

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 3, Cell 1 closed, 2 & 3 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 11 NAME= Jeffrey City X= 7.0KM Y= 49.5KM Z= -75.4M DIST= 50.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.18E-05	1.18E-05	2.51E-05	2.51E-05	6.11E-06	5.35E-05	2.64E-05	2.50E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.97E-04	2.36E-04	8.37E-04	2.79E-05	5.55E-03	8.92E-05	6.60E-07	2.78E-05
SUM OF FRACTIONS EQUALS	6.97E-03							

NUMBER 12 NAME= Rawlins X= 54.6KM Y= -27.9KM Z= 37.0M DIST= 61.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.41E-06	2.41E-06	5.17E-06	5.17E-06	2.71E-06	1.90E-05	6.00E-06	5.16E-06
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.02E-05	4.82E-05	1.72E-04	5.74E-06	2.46E-03	3.17E-05	1.50E-07	5.73E-06
SUM OF FRACTIONS EQUALS	2.77E-03							



REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 3, Cell 1 closed, 2 & 3 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 13 NAME= Special Receptor #1 X= 1.4KM Y= 1.0KM Z= 0.8M DIST= 1.7KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	5.92E-03	5.92E-03	2.64E-02	2.64E-02	4.83E-04	2.63E-02	2.63E-02	2.63E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	9.87E-02	1.18E-01	8.80E-01	2.93E-02	4.39E-01	4.38E-02	6.58E-04	2.92E-02

SUM OF FRACTIONS EQUALS 1.64E+00

NUMBER 14 NAME= Special Receptor #2 X= 2.0KM Y= 2.1KM Z= 0.8M DIST= 2.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.15E-03	2.15E-03	6.63E-03	6.63E-03	3.62E-04	6.63E-03	6.61E-03	6.61E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	3.58E-02	4.30E-02	2.21E-01	7.37E-03	3.29E-01	1.11E-02	1.65E-04	7.34E-03

SUM OF FRACTIONS EQUALS 6.55E-01

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.304E-03	1.409E-02	1.409E-02	1.405E-02	1.641E+02	1.509E+02	6.255E+01	2.466E+01	1.698E-05	5.645E-04
2.5	2.510E-03	5.601E-03	5.601E-03	5.588E-03	7.836E+01	7.478E+01	4.081E+01	2.263E+01	2.777E-05	3.683E-04
3.5	1.327E-03	2.867E-03	2.867E-03	2.860E-03	4.636E+01	4.521E+01	2.908E+01	1.968E+01	3.815E-05	2.674E-04
4.5	8.112E-04	1.705E-03	1.705E-03	1.701E-03	3.113E+01	3.071E+01	2.184E+01	1.652E+01	4.577E-05	2.040E-04
7.5	2.901E-04	6.065E-04	6.065E-04	6.051E-04	1.502E+01	1.498E+01	1.231E+01	1.054E+01	5.997E-05	1.172E-04
15.0	7.075E-05	1.476E-04	1.476E-04	1.472E-04	5.517E+00	5.520E+00	5.114E+00	4.708E+00	6.397E-05	4.917E-05
25.0	2.582E-05	5.379E-05	5.378E-05	5.366E-05	2.659E+00	2.661E+00	2.591E+00	2.495E+00	6.022E-05	2.518E-05
35.0	1.373E-05	2.861E-05	2.861E-05	2.855E-05	1.663E+00	1.664E+00	1.648E+00	1.619E+00	5.708E-05	1.611E-05
45.0	8.562E-06	1.784E-05	1.784E-05	1.780E-05	1.167E+00	1.168E+00	1.166E+00	1.156E+00	5.418E-05	1.142E-05
55.0	5.858E-06	1.221E-05	1.221E-05	1.218E-05	8.771E-01	8.777E-01	8.789E-01	8.761E-01	5.164E-05	8.528E-06
65.0	4.263E-06	8.891E-06	8.891E-06	8.870E-06	6.894E-01	6.898E-01	6.919E-01	6.917E-01	4.939E-05	6.799E-06
75.0	3.242E-06	6.766E-06	6.766E-06	6.750E-06	5.594E-01	5.597E-01	5.620E-01	5.627E-01	4.740E-05	5.525E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.330E+04	2.689E+04	2.683E+04	2.683E+04	0.000E+00	2.695E+04	2.695E+04	2.695E+04	1.258E+01
2.5	5.298E+03	1.069E+04	1.067E+04	1.067E+04	0.000E+00	1.073E+04	1.073E+04	1.073E+04	2.061E+01
3.5	2.804E+03	5.491E+03	5.479E+03	5.479E+03	0.000E+00	5.514E+03	5.514E+03	5.514E+03	2.833E+01
4.5	1.715E+03	3.275E+03	3.268E+03	3.268E+03	0.000E+00	3.292E+03	3.292E+03	3.292E+03	3.399E+01
7.5	6.134E+02	1.166E+03	1.163E+03	1.163E+03	0.000E+00	1.175E+03	1.175E+03	1.175E+03	4.456E+01
15.0	1.496E+02	2.837E+02	2.831E+02	2.831E+02	0.000E+00	2.875E+02	2.875E+02	2.875E+02	4.766E+01
25.0	5.461E+01	1.034E+02	1.032E+02	1.032E+02	0.000E+00	1.053E+02	1.053E+02	1.053E+02	4.501E+01
35.0	2.905E+01	5.501E+01	5.489E+01	5.489E+01	0.000E+00	5.621E+01	5.621E+01	5.621E+01	4.276E+01
45.0	1.811E+01	3.430E+01	3.422E+01	3.422E+01	0.000E+00	3.515E+01	3.515E+01	3.515E+01	4.066E+01
55.0	1.239E+01	2.348E+01	2.342E+01	2.342E+01	0.000E+00	2.412E+01	2.412E+01	2.412E+01	3.879E+01
65.0	9.017E+00	1.709E+01	1.705E+01	1.705E+01	0.000E+00	1.760E+01	1.760E+01	1.760E+01	3.714E+01
75.0	6.857E+00	1.301E+01	1.298E+01	1.298E+01	0.000E+00	1.342E+01	1.342E+01	1.342E+01	3.567E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.304E-05	1.409E-04	1.409E-04	1.406E-04
2.5	2.510E-05	5.601E-05	5.601E-05	5.596E-05
3.5	1.327E-05	2.867E-05	2.867E-05	2.871E-05
4.5	8.112E-06	1.705E-05	1.705E-05	1.715E-05
7.5	2.901E-06	6.065E-06	6.065E-06	6.231E-06
15.0	7.075E-07	1.476E-06	1.476E-06	1.664E-06
25.0	2.582E-07	5.379E-07	5.378E-07	7.172E-07
35.0	1.373E-07	2.861E-07	2.861E-07	4.567E-07
45.0	8.562E-08	1.784E-07	1.784E-07	3.405E-07
55.0	5.858E-08	1.221E-07	1.221E-07	2.767E-07
65.0	4.263E-08	8.891E-08	8.891E-08	2.369E-07
75.0	3.242E-08	6.766E-08	6.766E-08	2.097E-07

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.095E-03	2.697E-02	2.697E-02	2.691E-02	3.332E+02	2.367E+02	4.175E+01	7.240E+00	1.943E-06	4.825E-04
2.5	2.936E-03	1.012E-02	1.012E-02	1.010E-02	1.449E+02	1.270E+02	4.832E+01	1.933E+01	1.431E-05	4.479E-04
3.5	1.538E-03	4.354E-03	4.354E-03	4.344E-03	6.859E+01	6.432E+01	3.288E+01	1.875E+01	2.630E-05	3.029E-04
4.5	9.554E-04	2.501E-03	2.501E-03	2.495E-03	4.340E+01	4.192E+01	2.498E+01	1.683E+01	3.638E-05	2.326E-04
7.5	3.568E-04	8.388E-04	8.388E-04	8.368E-04	1.805E+01	1.792E+01	1.317E+01	1.050E+01	5.097E-05	1.244E-04
15.0	9.320E-05	2.048E-04	2.048E-04	2.043E-04	6.012E+00	6.013E+00	5.279E+00	4.633E+00	5.473E-05	5.024E-05
25.0	3.519E-05	7.555E-05	7.555E-05	7.537E-05	2.794E+00	2.796E+00	2.655E+00	2.484E+00	5.144E-05	2.560E-05
35.0	1.881E-05	4.002E-05	4.001E-05	3.992E-05	1.717E+00	1.718E+00	1.679E+00	1.621E+00	4.872E-05	1.633E-05
45.0	1.175E-05	2.493E-05	2.493E-05	2.488E-05	1.200E+00	1.201E+00	1.189E+00	1.166E+00	4.648E-05	1.162E-05
55.0	8.043E-06	1.710E-05	1.710E-05	1.706E-05	9.042E-01	9.048E-01	9.019E-01	8.924E-01	4.466E-05	8.833E-06
65.0	5.857E-06	1.247E-05	1.247E-05	1.244E-05	7.123E-01	7.127E-01	7.129E-01	7.092E-01	4.296E-05	6.994E-06
75.0	4.456E-06	9.503E-06	9.503E-06	9.481E-06	5.791E-01	5.794E-01	5.807E-01	5.796E-01	4.139E-05	5.703E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.464E+04	4.933E+04	4.923E+04	4.923E+04	0.000E+00	4.941E+04	4.941E+04	4.941E+04	1.474E+00
2.5	6.090E+03	1.863E+04	1.859E+04	1.859E+04	0.000E+00	1.869E+04	1.869E+04	1.869E+04	1.066E+01
3.5	3.219E+03	8.133E+03	8.115E+03	8.115E+03	0.000E+00	8.166E+03	8.166E+03	8.166E+03	1.954E+01
4.5	2.005E+03	4.702E+03	4.692E+03	4.692E+03	0.000E+00	4.725E+03	4.725E+03	4.725E+03	2.702E+01
7.5	7.518E+02	1.593E+03	1.589E+03	1.589E+03	0.000E+00	1.604E+03	1.604E+03	1.604E+03	3.786E+01
15.0	1.968E+02	3.916E+02	3.907E+02	3.907E+02	0.000E+00	3.955E+02	3.955E+02	3.955E+02	4.077E+01
25.0	7.436E+01	1.448E+02	1.445E+02	1.445E+02	0.000E+00	1.467E+02	1.467E+02	1.467E+02	3.846E+01
35.0	3.976E+01	7.677E+01	7.659E+01	7.659E+01	0.000E+00	7.795E+01	7.795E+01	7.795E+01	3.651E+01
45.0	2.483E+01	4.784E+01	4.774E+01	4.774E+01	0.000E+00	4.869E+01	4.869E+01	4.869E+01	3.488E+01
55.0	1.700E+01	3.281E+01	3.274E+01	3.274E+01	0.000E+00	3.346E+01	3.346E+01	3.346E+01	3.355E+01
65.0	1.238E+01	2.393E+01	2.387E+01	2.387E+01	0.000E+00	2.444E+01	2.444E+01	2.444E+01	3.230E+01
75.0	9.419E+00	1.823E+01	1.819E+01	1.819E+01	0.000E+00	1.864E+01	1.864E+01	1.864E+01	3.114E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.095E-05	2.697E-04	2.697E-04	2.691E-04
2.5	2.936E-05	1.012E-04	1.012E-04	1.010E-04
3.5	1.538E-05	4.354E-05	4.354E-05	4.352E-05
4.5	9.554E-06	2.501E-05	2.501E-05	2.506E-05
7.5	3.568E-06	8.388E-06	8.388E-06	8.521E-06
15.0	9.320E-07	2.048E-06	2.048E-06	2.207E-06
25.0	3.519E-07	7.555E-07	7.555E-07	9.081E-07
35.0	1.881E-07	4.002E-07	4.001E-07	5.454E-07
45.0	1.175E-07	2.493E-07	2.493E-07	3.882E-07
55.0	8.043E-08	1.710E-07	1.710E-07	3.046E-07
65.0	5.857E-08	1.247E-07	1.247E-07	2.533E-07
75.0	4.456E-08	9.503E-08	9.503E-08	2.190E-07

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.560E-03	8.021E-03	8.021E-03	8.002E-03	7.830E+01	5.160E+01	9.568E+00	1.981E+00	6.898E-07	1.090E-04
2.5	1.730E-03	5.124E-03	5.124E-03	5.112E-03	6.840E+01	5.811E+01	2.103E+01	8.660E+00	6.918E-06	1.988E-04
3.5	9.472E-04	2.484E-03	2.484E-03	2.479E-03	3.697E+01	3.431E+01	1.677E+01	9.564E+00	1.391E-05	1.561E-04
4.5	5.965E-04	1.482E-03	1.482E-03	1.479E-03	2.452E+01	2.359E+01	1.359E+01	9.096E+00	2.017E-05	1.272E-04
7.5	2.252E-04	5.183E-04	5.182E-04	5.170E-04	1.093E+01	1.085E+01	7.899E+00	6.263E+00	3.080E-05	7.459E-05
15.0	5.872E-05	1.285E-04	1.285E-04	1.282E-04	3.854E+00	3.856E+00	3.405E+00	2.997E+00	3.590E-05	3.241E-05
25.0	2.209E-05	4.747E-05	4.747E-05	4.736E-05	1.837E+00	1.838E+00	1.756E+00	1.652E+00	3.501E-05	1.696E-05
35.0	1.181E-05	2.514E-05	2.514E-05	2.509E-05	1.141E+00	1.141E+00	1.121E+00	1.087E+00	3.362E-05	1.091E-05
45.0	7.370E-06	1.562E-05	1.562E-05	1.558E-05	7.978E-01	7.983E-01	7.932E-01	7.809E-01	3.215E-05	7.756E-06
55.0	5.046E-06	1.070E-05	1.070E-05	1.067E-05	6.007E-01	6.011E-01	6.005E-01	5.960E-01	3.088E-05	5.887E-06
65.0	3.675E-06	7.807E-06	7.807E-06	7.789E-06	4.737E-01	4.740E-01	4.748E-01	4.734E-01	2.973E-05	4.661E-06
75.0	2.796E-06	5.950E-06	5.950E-06	5.936E-06	3.853E-01	3.856E-01	3.868E-01	3.867E-01	2.867E-05	3.801E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	7.510E+03	1.530E+04	1.526E+04	1.526E+04	0.000E+00	1.530E+04	1.530E+04	1.530E+04	5.330E-01
2.5	3.613E+03	9.536E+03	9.515E+03	9.515E+03	0.000E+00	9.561E+03	9.561E+03	9.561E+03	5.159E+00
3.5	1.988E+03	4.671E+03	4.660E+03	4.660E+03	0.000E+00	4.688E+03	4.688E+03	4.688E+03	1.034E+01
4.5	1.254E+03	2.800E+03	2.794E+03	2.794E+03	0.000E+00	2.813E+03	2.813E+03	2.813E+03	1.498E+01
7.5	4.748E+02	9.863E+02	9.841E+02	9.841E+02	0.000E+00	9.927E+02	9.927E+02	9.927E+02	2.287E+01
15.0	1.240E+02	2.458E+02	2.453E+02	2.453E+02	0.000E+00	2.484E+02	2.484E+02	2.484E+02	2.673E+01
25.0	4.667E+01	9.096E+01	9.076E+01	9.076E+01	0.000E+00	9.222E+01	9.222E+01	9.222E+01	2.616E+01
35.0	2.495E+01	4.823E+01	4.812E+01	4.812E+01	0.000E+00	4.903E+01	4.903E+01	4.903E+01	2.518E+01
45.0	1.558E+01	2.998E+01	2.991E+01	2.991E+01	0.000E+00	3.054E+01	3.054E+01	3.054E+01	2.412E+01
55.0	1.067E+01	2.053E+01	2.049E+01	2.049E+01	0.000E+00	2.096E+01	2.096E+01	2.096E+01	2.319E+01
65.0	7.768E+00	1.498E+01	1.495E+01	1.495E+01	0.000E+00	1.532E+01	1.532E+01	1.532E+01	2.235E+01
75.0	5.911E+00	1.141E+01	1.139E+01	1.139E+01	0.000E+00	1.169E+01	1.169E+01	1.169E+01	2.156E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.560E-05	8.021E-05	8.021E-05	8.002E-05
2.5	1.730E-05	5.124E-05	5.124E-05	5.114E-05
3.5	9.472E-06	2.484E-05	2.484E-05	2.483E-05
4.5	5.965E-06	1.482E-05	1.482E-05	1.485E-05
7.5	2.252E-06	5.183E-06	5.182E-06	5.263E-06
15.0	5.872E-07	1.285E-06	1.285E-06	1.390E-06
25.0	2.209E-07	4.747E-07	4.747E-07	5.786E-07
35.0	1.181E-07	2.514E-07	2.514E-07	3.517E-07
45.0	7.370E-08	1.562E-07	1.562E-07	2.523E-07
55.0	5.046E-08	1.070E-07	1.070E-07	1.994E-07
65.0	3.675E-08	7.807E-08	7.807E-08	1.671E-07
75.0	2.796E-08	5.950E-08	5.950E-08	1.454E-07

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.211E-04	2.532E-03	2.532E-03	2.526E-03	4.282E+01	4.105E+01	2.143E+01	1.156E+01	1.401E-05	1.941E-04
2.5	3.132E-04	9.960E-04	9.960E-04	9.937E-04	1.955E+01	1.918E+01	1.226E+01	8.170E+00	1.569E-05	1.124E-04
3.5	1.649E-04	4.935E-04	4.935E-04	4.923E-04	1.117E+01	1.107E+01	8.000E+00	6.020E+00	1.656E-05	7.442E-05
4.5	9.899E-05	2.961E-04	2.961E-04	2.954E-04	7.729E+00	7.692E+00	5.985E+00	4.827E+00	1.762E-05	5.627E-05
7.5	3.176E-05	9.384E-05	9.383E-05	9.362E-05	3.460E+00	3.458E+00	3.022E+00	2.675E+00	1.800E-05	2.886E-05
15.0	6.037E-06	1.699E-05	1.699E-05	1.695E-05	1.108E+00	1.109E+00	1.064E+00	1.012E+00	1.553E-05	1.031E-05
25.0	1.835E-06	4.711E-06	4.711E-06	4.700E-06	4.826E-01	4.829E-01	4.785E-01	4.707E-01	1.312E-05	4.679E-06
35.0	8.777E-07	2.085E-06	2.085E-06	2.080E-06	2.832E-01	2.834E-01	2.833E-01	2.820E-01	1.168E-05	2.780E-06
45.0	5.078E-07	1.138E-06	1.138E-06	1.135E-06	1.908E-01	1.909E-01	1.914E-01	1.914E-01	1.067E-05	1.881E-06
55.0	3.277E-07	7.029E-07	7.029E-07	7.012E-07	1.392E-01	1.393E-01	1.398E-01	1.401E-01	9.908E-06	1.375E-06
65.0	2.272E-07	4.712E-07	4.712E-07	4.701E-07	1.069E-01	1.070E-01	1.075E-01	1.078E-01	9.296E-06	1.057E-06
75.0	1.659E-07	3.362E-07	3.362E-07	3.354E-07	8.542E-02	8.547E-02	8.589E-02	8.617E-02	8.807E-06	8.449E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.494E+03	4.655E+03	4.645E+03	4.645E+03	0.000E+00	4.678E+03	4.678E+03	4.678E+03	1.034E+01
2.5	6.522E+02	1.844E+03	1.840E+03	1.840E+03	0.000E+00	1.855E+03	1.855E+03	1.855E+03	1.159E+01
3.5	3.442E+02	9.177E+02	9.157E+02	9.157E+02	0.000E+00	9.245E+02	9.245E+02	9.245E+02	1.224E+01
4.5	2.067E+02	5.506E+02	5.494E+02	5.494E+02	0.000E+00	5.555E+02	5.555E+02	5.555E+02	1.303E+01
7.5	6.634E+01	1.747E+02	1.743E+02	1.743E+02	0.000E+00	1.770E+02	1.770E+02	1.770E+02	1.332E+01
15.0	1.263E+01	3.175E+01	3.168E+01	3.168E+01	0.000E+00	3.256E+01	3.256E+01	3.256E+01	1.154E+01
25.0	3.853E+00	8.874E+00	8.855E+00	8.855E+00	0.000E+00	9.237E+00	9.237E+00	9.237E+00	9.780E+00
35.0	1.849E+00	3.955E+00	3.946E+00	3.946E+00	0.000E+00	4.171E+00	4.171E+00	4.171E+00	8.736E+00
45.0	1.072E+00	2.171E+00	2.167E+00	2.167E+00	0.000E+00	2.318E+00	2.318E+00	2.318E+00	7.997E+00
55.0	6.924E-01	1.347E+00	1.344E+00	1.344E+00	0.000E+00	1.455E+00	1.455E+00	1.455E+00	7.434E+00
65.0	4.806E-01	9.064E-01	9.044E-01	9.044E-01	0.000E+00	9.891E-01	9.891E-01	9.891E-01	6.984E+00
75.0	3.513E-01	6.484E-01	6.470E-01	6.470E-01	0.000E+00	7.147E-01	7.147E-01	7.147E-01	6.622E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.211E-06	2.532E-05	2.532E-05	2.531E-05
2.5	3.132E-06	9.960E-06	9.960E-06	9.984E-06
3.5	1.649E-06	4.935E-06	4.935E-06	4.973E-06
4.5	9.899E-07	2.961E-06	2.961E-06	3.007E-06
7.5	3.176E-07	9.384E-07	9.383E-07	9.902E-07
15.0	6.037E-08	1.699E-07	1.699E-07	2.161E-07
25.0	1.835E-08	4.711E-08	4.711E-08	8.635E-08
35.0	8.777E-09	2.085E-08	2.085E-08	5.585E-08
45.0	5.078E-09	1.138E-08	1.138E-08	4.338E-08
55.0	3.277E-09	7.029E-09	7.029E-09	3.674E-08
65.0	2.272E-09	4.712E-09	4.712E-09	3.259E-08
75.0	1.659E-09	3.362E-09	3.362E-09	2.977E-08

TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.181E-03	4.782E-03	4.782E-03	4.770E-03	4.688E+01	4.524E+01	2.736E+01	1.666E+01	2.427E-05	2.475E-04
2.5	1.439E-03	2.296E-03	2.296E-03	2.291E-03	3.007E+01	2.961E+01	2.089E+01	1.515E+01	3.409E-05	1.929E-04
3.5	7.917E-04	1.312E-03	1.312E-03	1.309E-03	2.125E+01	2.109E+01	1.626E+01	1.298E+01	4.103E-05	1.526E-04
4.5	4.905E-04	8.349E-04	8.348E-04	8.329E-04	1.603E+01	1.597E+01	1.302E+01	1.098E+01	4.569E-05	1.234E-04
7.5	1.735E-04	3.110E-04	3.110E-04	3.103E-04	8.661E+00	8.659E+00	7.694E+00	6.939E+00	5.187E-05	7.381E-05
15.0	4.010E-05	7.673E-05	7.673E-05	7.655E-05	3.550E+00	3.552E+00	3.404E+00	3.231E+00	5.220E-05	3.297E-05
25.0	1.411E-05	2.799E-05	2.799E-05	2.793E-05	1.804E+00	1.805E+00	1.784E+00	1.746E+00	4.889E-05	1.742E-05
35.0	7.457E-06	1.497E-05	1.497E-05	1.494E-05	1.153E+00	1.154E+00	1.152E+00	1.143E+00	4.626E-05	1.129E-05
45.0	4.629E-06	9.354E-06	9.354E-06	9.332E-06	8.196E-01	8.201E-01	8.216E-01	8.199E-01	4.390E-05	8.069E-06
55.0	3.155E-06	6.431E-06	6.431E-06	6.416E-06	6.252E-01	6.256E-01	6.278E-01	6.282E-01	4.211E-05	6.171E-06
65.0	2.285E-06	4.691E-06	4.690E-06	4.680E-06	4.968E-01	4.971E-01	4.993E-01	5.003E-01	4.050E-05	4.910E-06
75.0	1.728E-06	3.566E-06	3.566E-06	3.558E-06	4.062E-01	4.064E-01	4.084E-01	4.095E-01	3.902E-05	4.017E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	6.784E+03	9.577E+03	9.555E+03	9.555E+03	0.000E+00	9.591E+03	9.591E+03	9.591E+03	1.794E+01
2.5	3.066E+03	4.560E+03	4.550E+03	4.550E+03	0.000E+00	4.573E+03	4.573E+03	4.573E+03	2.525E+01
3.5	1.685E+03	2.593E+03	2.587E+03	2.587E+03	0.000E+00	2.603E+03	2.603E+03	2.603E+03	3.042E+01
4.5	1.043E+03	1.644E+03	1.640E+03	1.640E+03	0.000E+00	1.653E+03	1.653E+03	1.653E+03	3.389E+01
7.5	3.684E+02	6.085E+02	6.071E+02	6.071E+02	0.000E+00	6.140E+02	6.140E+02	6.140E+02	3.852E+01
15.0	8.503E+01	1.490E+02	1.486E+02	1.486E+02	0.000E+00	1.514E+02	1.514E+02	1.514E+02	3.888E+01
25.0	2.989E+01	5.411E+01	5.399E+01	5.399E+01	0.000E+00	5.542E+01	5.542E+01	5.542E+01	3.653E+01
35.0	1.579E+01	2.890E+01	2.884E+01	2.884E+01	0.000E+00	2.975E+01	2.975E+01	2.975E+01	3.464E+01
45.0	9.800E+00	1.805E+01	1.800E+01	1.800E+01	0.000E+00	1.865E+01	1.865E+01	1.865E+01	3.293E+01
55.0	6.677E+00	1.239E+01	1.237E+01	1.237E+01	0.000E+00	1.286E+01	1.286E+01	1.286E+01	3.162E+01
65.0	4.835E+00	9.033E+00	9.013E+00	9.013E+00	0.000E+00	9.407E+00	9.407E+00	9.407E+00	3.044E+01
75.0	3.655E+00	6.863E+00	6.848E+00	6.848E+00	0.000E+00	7.170E+00	7.170E+00	7.170E+00	2.935E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.181E-05	4.782E-05	4.782E-05	4.778E-05
2.5	1.439E-05	2.296E-05	2.296E-05	2.301E-05
3.5	7.917E-06	1.312E-05	1.312E-05	1.321E-05
4.5	4.905E-06	8.349E-06	8.348E-06	8.466E-06
7.5	1.735E-06	3.110E-06	3.110E-06	3.259E-06
15.0	4.010E-07	7.673E-07	7.673E-07	9.221E-07
25.0	1.411E-07	2.799E-07	2.799E-07	4.259E-07
35.0	7.457E-08	1.497E-07	1.497E-07	2.881E-07
45.0	4.629E-08	9.354E-08	9.354E-08	2.250E-07
55.0	3.155E-08	6.431E-08	6.431E-08	1.905E-07
65.0	2.285E-08	4.691E-08	4.690E-08	1.683E-07
75.0	1.728E-08	3.566E-08	3.566E-08	1.526E-07



TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.010E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.667E-02	9.343E-04	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.765E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.193E-01	4.992E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.867E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.654E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.767E-04	1.011E-04	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.138E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.103E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.563E-01 PERSON-REM/YR



TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.067E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.523E-01	8.502E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.271E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.082E+00	4.519E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.544E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.956E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.368E-03	8.994E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.898E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.676E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.417E+00 PERSON-REM/YR





TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.220E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.786E-02	4.252E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.673E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.351E-01	2.188E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.732E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.303E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.637E-03	4.169E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.401E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.697E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.986E-01 PERSON-REM/YR



TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.616E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.150E-01	3.150E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.888E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.545E+00	1.539E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.544E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.033E-02	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.868E-02	5.409E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.167E-01	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.906E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.948E+00 PERSON-REM/YR

TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.892E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.447E-03	1.888E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.188E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.370E-02	9.723E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.813E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.111E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.258E-05	1.863E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.788E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.615E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.098E-02 PERSON-REM/YR



TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.041E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.279E-03	2.689E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.578E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.065E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.301E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.302E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.630E-04	4.749E-05	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.028E-03
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.670E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.269E-02 PERSON-REM/YR

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.534E-02	1.681E-02	1.208E-02	9.274E-03	2.795E-02	2.922E-02	2.027E-02	1.748E-02	1.630E-02	1.582E-02	1.570E-02	1.579E-02
NNE	3.361E-02	2.401E-02	1.489E-02	1.130E-02	3.237E-02	3.294E-02	2.225E-02	1.855E-02	1.678E-02	1.587E-02	1.547E-02	1.537E-02
NE	4.779E-02	2.998E-02	1.815E-02	1.346E-02	3.817E-02	3.909E-02	2.619E-02	2.146E-02	1.918E-02	1.800E-02	1.735E-02	1.702E-02
ENE	4.132E-02	3.022E-02	1.813E-02	1.276E-02	3.362E-02	3.261E-02	2.179E-02	1.816E-02	1.640E-02	1.547E-02	1.499E-02	1.477E-02
E	1.442E-02	1.523E-02	1.038E-02	7.992E-03	2.360E-02	2.460E-02	1.664E-02	1.377E-02	1.239E-02	1.170E-02	1.137E-02	1.122E-02
ESE	5.847E-03	5.779E-03	5.099E-03	4.351E-03	1.507E-02	1.793E-02	1.257E-02	1.030E-02	9.067E-03	8.322E-03	7.851E-03	7.559E-03
SE	3.606E-03	1.752E-03	1.385E-03	1.207E-03	4.500E-03	5.689E-03	4.142E-03	3.466E-03	3.106E-03	2.897E-03	2.772E-03	2.699E-03
SSE	2.674E-03	1.525E-03	5.592E-04	4.092E-04	1.046E-03	9.428E-04	6.245E-04	5.152E-04	4.573E-04	4.212E-04	3.969E-04	3.794E-04
S	4.500E-03	2.965E-03	2.067E-03	1.604E-03	4.367E-03	3.667E-03	2.300E-03	1.987E-03	1.924E-03	1.950E-03	2.016E-03	2.105E-03
SSW	7.098E-03	5.674E-03	4.642E-03	3.872E-03	1.265E-02	1.381E-02	9.426E-03	7.879E-03	7.199E-03	6.907E-03	6.857E-03	6.935E-03
SW	8.653E-03	7.226E-03	5.988E-03	5.064E-03	1.711E-02	1.950E-02	1.361E-02	1.150E-02	1.062E-02	1.028E-02	1.021E-02	1.029E-02
WSW	8.496E-03	6.766E-03	5.400E-03	4.428E-03	1.402E-02	1.508E-02	1.086E-02	9.746E-03	9.386E-03	9.353E-03	9.488E-03	9.711E-03
W	8.758E-03	7.005E-03	5.611E-03	4.610E-03	1.464E-02	1.602E-02	1.176E-02	1.072E-02	1.045E-02	1.057E-02	1.085E-02	1.120E-02
WNW	1.205E-02	9.224E-03	7.415E-03	6.101E-03	1.934E-02	2.092E-02	1.516E-02	1.371E-02	1.335E-02	1.346E-02	1.378E-02	1.429E-02
NW	1.396E-02	1.138E-02	8.594E-03	7.009E-03	2.204E-02	2.363E-02	1.661E-02	1.455E-02	1.374E-02	1.348E-02	1.350E-02	1.368E-02
NNW	1.679E-02	1.294E-02	9.240E-03	7.328E-03	2.234E-02	2.345E-02	1.645E-02	1.434E-02	1.348E-02	1.316E-02	1.312E-02	1.323E-02

TOTAL DOSE COMMITMENT IS 2.378E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
BY THE POPULATION OF THIS REGION. SEE SUMMARY  
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.055E-01	2.027E-01	1.456E-01	1.118E-01	3.366E-01	3.496E-01	2.399E-01	2.046E-01	1.890E-01	1.819E-01	1.794E-01	1.794E-01
NNE	4.046E-01	2.890E-01	1.793E-01	1.361E-01	3.896E-01	3.946E-01	2.643E-01	2.183E-01	1.958E-01	1.838E-01	1.779E-01	1.757E-01
NE	5.746E-01	3.606E-01	2.185E-01	1.621E-01	4.596E-01	4.688E-01	3.119E-01	2.536E-01	2.248E-01	2.094E-01	2.006E-01	1.956E-01
ENE	4.967E-01	3.633E-01	2.181E-01	1.535E-01	4.046E-01	3.910E-01	2.592E-01	2.142E-01	1.918E-01	1.796E-01	1.729E-01	1.694E-01
E	1.739E-01	1.833E-01	1.250E-01	9.628E-02	2.841E-01	2.950E-01	1.979E-01	1.625E-01	1.449E-01	1.358E-01	1.311E-01	1.286E-01
ESE	7.076E-02	6.979E-02	6.153E-02	5.250E-02	1.817E-01	2.155E-01	1.503E-01	1.225E-01	1.071E-01	9.770E-02	9.166E-02	8.778E-02
SE	4.345E-02	2.118E-02	1.675E-02	1.459E-02	5.429E-02	6.833E-02	4.941E-02	4.105E-02	3.650E-02	3.381E-02	3.216E-02	3.113E-02
SSE	3.209E-02	1.830E-02	6.717E-03	4.913E-03	1.253E-02	1.120E-02	7.350E-03	6.023E-03	5.317E-03	4.875E-03	4.573E-03	4.355E-03
S	5.412E-02	3.567E-02	2.486E-02	1.929E-02	5.236E-02	4.344E-02	2.670E-02	2.269E-02	2.170E-02	2.182E-02	2.243E-02	2.332E-02
SSW	8.570E-02	6.849E-02	5.600E-02	4.670E-02	1.522E-01	1.652E-01	1.115E-01	9.214E-02	8.331E-02	7.921E-02	7.805E-02	7.845E-02
SW	1.047E-01	8.734E-02	7.234E-02	6.114E-02	2.062E-01	2.334E-01	1.611E-01	1.346E-01	1.230E-01	1.180E-01	1.164E-01	1.166E-01
WSW	1.027E-01	8.174E-02	6.520E-02	5.344E-02	1.688E-01	1.800E-01	1.278E-01	1.133E-01	1.080E-01	1.067E-01	1.076E-01	1.095E-01
W	1.060E-01	8.468E-02	6.778E-02	5.565E-02	1.762E-01	1.909E-01	1.381E-01	1.243E-01	1.199E-01	1.203E-01	1.226E-01	1.259E-01
WNW	1.457E-01	1.115E-01	8.958E-02	7.364E-02	2.329E-01	2.494E-01	1.778E-01	1.587E-01	1.529E-01	1.527E-01	1.554E-01	1.603E-01
NW	1.688E-01	1.374E-01	1.037E-01	8.455E-02	2.653E-01	2.822E-01	1.959E-01	1.697E-01	1.587E-01	1.544E-01	1.536E-01	1.547E-01
NNW	2.027E-01	1.561E-01	1.114E-01	8.835E-02	2.689E-01	2.803E-01	1.944E-01	1.676E-01	1.560E-01	1.511E-01	1.496E-01	1.501E-01

TOTAL DOSE COMMITMENT IS 2.814E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.028E-02	6.818E-03	4.897E-03	3.761E-03	1.136E-02	1.199E-02	8.448E-03	7.394E-03	6.984E-03	6.853E-03	6.866E-03	6.956E-03
NNE	1.367E-02	9.773E-03	6.049E-03	4.590E-03	1.316E-02	1.349E-02	9.225E-03	7.787E-03	7.129E-03	6.815E-03	6.702E-03	6.711E-03
NE	1.950E-02	1.222E-02	7.384E-03	5.474E-03	1.552E-02	1.597E-02	1.082E-02	8.964E-03	8.099E-03	7.678E-03	7.470E-03	7.385E-03
ENE	1.687E-02	1.234E-02	7.386E-03	5.192E-03	1.368E-02	1.334E-02	9.014E-03	7.604E-03	6.946E-03	6.622E-03	6.476E-03	6.430E-03
E	5.848E-03	6.199E-03	4.219E-03	3.247E-03	9.591E-03	1.006E-02	6.880E-03	5.765E-03	5.246E-03	5.007E-03	4.909E-03	4.884E-03
ESE	2.354E-03	2.336E-03	2.064E-03	1.762E-03	6.111E-03	7.304E-03	5.161E-03	4.267E-03	3.788E-03	3.506E-03	3.334E-03	3.233E-03
SE	1.465E-03	7.066E-04	5.585E-04	4.873E-04	1.822E-03	2.319E-03	1.706E-03	1.443E-03	1.306E-03	1.230E-03	1.188E-03	1.165E-03
SSE	1.095E-03	6.246E-04	2.285E-04	1.673E-04	4.291E-04	3.910E-04	2.622E-04	2.183E-04	1.952E-04	1.810E-04	1.715E-04	1.648E-04
S	1.835E-03	1.208E-03	8.422E-04	6.542E-04	1.787E-03	1.527E-03	9.848E-04	8.698E-04	8.548E-04	8.756E-04	9.117E-04	9.562E-04
SSW	2.871E-03	2.296E-03	1.880E-03	1.569E-03	5.139E-03	5.667E-03	3.929E-03	3.338E-03	3.094E-03	3.004E-03	3.012E-03	3.071E-03
SW	3.487E-03	2.915E-03	2.419E-03	2.047E-03	6.941E-03	7.988E-03	5.665E-03	4.864E-03	4.555E-03	4.463E-03	4.477E-03	4.548E-03
WSW	3.427E-03	2.732E-03	2.183E-03	1.792E-03	5.695E-03	6.201E-03	4.554E-03	4.159E-03	4.063E-03	4.094E-03	4.190E-03	4.319E-03
W	3.528E-03	2.826E-03	2.266E-03	1.864E-03	5.947E-03	6.603E-03	4.954E-03	4.594E-03	4.543E-03	4.645E-03	4.807E-03	4.995E-03
WNN	4.857E-03	3.721E-03	2.995E-03	2.467E-03	7.856E-03	8.626E-03	6.389E-03	5.888E-03	5.820E-03	5.931E-03	6.129E-03	6.398E-03
NW	5.632E-03	4.603E-03	3.477E-03	2.838E-03	8.954E-03	9.714E-03	6.951E-03	6.187E-03	5.924E-03	5.876E-03	5.939E-03	6.059E-03
NNW	6.795E-03	5.248E-03	3.745E-03	2.972E-03	9.084E-03	9.634E-03	6.870E-03	6.079E-03	5.789E-03	5.713E-03	5.747E-03	5.839E-03

TOTAL DOSE COMMITMENT IS 9.909E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.265E-01	8.393E-02	6.027E-02	4.628E-02	1.396E-01	1.464E-01	1.021E-01	8.853E-02	8.293E-02	8.081E-02	8.049E-02	8.117E-02
NNE	1.682E-01	1.202E-01	7.443E-02	5.647E-02	1.618E-01	1.650E-01	1.119E-01	9.369E-02	8.512E-02	8.082E-02	7.902E-02	7.874E-02
NE	2.397E-01	1.503E-01	9.083E-02	6.733E-02	1.908E-01	1.956E-01	1.315E-01	1.082E-01	9.709E-02	9.144E-02	8.846E-02	8.701E-02
ENE	2.073E-01	1.516E-01	9.082E-02	6.385E-02	1.681E-01	1.633E-01	1.095E-01	9.166E-02	8.311E-02	7.871E-02	7.652E-02	7.561E-02
E	7.199E-02	7.625E-02	5.190E-02	3.995E-02	1.179E-01	1.231E-01	8.360E-02	6.951E-02	6.277E-02	5.952E-02	5.801E-02	5.743E-02
ESE	2.902E-02	2.878E-02	2.542E-02	2.170E-02	7.518E-02	8.960E-02	6.301E-02	5.180E-02	4.572E-02	4.209E-02	3.982E-02	3.844E-02
SE	1.803E-02	8.708E-03	6.883E-03	6.004E-03	2.242E-02	2.843E-02	2.077E-02	1.746E-02	1.570E-02	1.469E-02	1.411E-02	1.377E-02
SSE	1.345E-02	7.671E-03	2.806E-03	2.054E-03	5.252E-03	4.746E-03	3.156E-03	2.611E-03	2.324E-03	2.146E-03	2.026E-03	1.940E-03
S	2.256E-02	1.485E-02	1.035E-02	8.037E-03	2.190E-02	1.849E-02	1.171E-02	1.019E-02	9.919E-03	1.009E-02	1.046E-02	1.094E-02
SSW	3.536E-02	2.827E-02	2.314E-02	1.931E-02	6.313E-02	6.920E-02	4.748E-02	3.992E-02	3.667E-02	3.533E-02	3.521E-02	3.571E-02
SW	4.298E-02	3.592E-02	2.979E-02	2.521E-02	8.531E-02	9.759E-02	6.851E-02	5.823E-02	5.404E-02	5.255E-02	5.238E-02	5.296E-02
WSW	4.224E-02	3.366E-02	2.688E-02	2.206E-02	6.995E-02	7.556E-02	5.480E-02	4.951E-02	4.793E-02	4.796E-02	4.881E-02	5.009E-02
W	4.349E-02	3.482E-02	2.791E-02	2.295E-02	7.303E-02	8.034E-02	5.947E-02	5.453E-02	5.345E-02	5.428E-02	5.587E-02	5.781E-02
WNW	5.987E-02	4.585E-02	3.689E-02	3.037E-02	9.647E-02	1.050E-01	7.664E-02	6.980E-02	6.835E-02	6.917E-02	7.109E-02	7.390E-02
NW	6.941E-02	5.670E-02	4.281E-02	3.493E-02	1.100E-01	1.184E-01	8.379E-02	7.382E-02	7.007E-02	6.902E-02	6.937E-02	7.045E-02
NNW	8.369E-02	6.460E-02	4.610E-02	3.657E-02	1.116E-01	1.176E-01	8.294E-02	7.268E-02	6.863E-02	6.727E-02	6.729E-02	6.805E-02

TOTAL DOSE COMMITMENT IS 1.198E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 4, NODE = DURATION IN YRS IS... 3.0  
 EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	7.882E-04	5.229E-04	3.765E-04	2.896E-04	8.677E-04	8.821E-04	5.828E-04	4.782E-04	4.258E-04	3.968E-04	3.803E-04	3.712E-04
NNE	1.024E-03	7.282E-04	4.571E-04	3.479E-04	9.978E-04	9.981E-04	6.499E-04	5.199E-04	4.518E-04	4.116E-04	3.877E-04	3.736E-04
NE	1.427E-03	9.006E-04	5.529E-04	4.124E-04	1.176E-03	1.190E-03	7.737E-04	6.121E-04	5.274E-04	4.777E-04	4.459E-04	4.248E-04
ENE	1.230E-03	8.996E-04	5.462E-04	3.874E-04	1.031E-03	9.902E-04	6.404E-04	5.134E-04	4.459E-04	4.057E-04	3.804E-04	3.639E-04
E	4.483E-04	4.625E-04	3.181E-04	2.459E-04	7.282E-04	7.484E-04	4.894E-04	3.899E-04	3.373E-04	3.072E-04	2.886E-04	2.765E-04
ESE	1.908E-04	1.836E-04	1.605E-04	1.367E-04	4.711E-04	5.527E-04	3.786E-04	3.021E-04	2.584E-04	2.307E-04	2.118E-04	1.988E-04
SE	1.110E-04	5.645E-05	4.475E-05	3.880E-05	1.425E-04	1.757E-04	1.238E-04	1.001E-04	8.661E-05	7.813E-05	7.250E-05	6.860E-05
SSE	7.778E-05	4.445E-05	1.662E-05	1.217E-05	3.100E-05	2.724E-05	1.743E-05	1.397E-05	1.209E-05	1.088E-05	1.004E-05	9.418E-06
S	1.350E-04	8.945E-05	6.254E-05	4.844E-05	1.305E-04	1.042E-04	5.980E-05	4.770E-05	4.342E-05	4.211E-05	4.217E-05	4.300E-05
SSW	2.249E-04	1.794E-04	1.462E-04	1.216E-04	3.934E-04	4.176E-04	2.710E-04	2.147E-04	1.864E-04	1.709E-04	1.631E-04	1.595E-04
SW	2.809E-04	2.328E-04	1.918E-04	1.615E-04	5.390E-04	5.941E-04	3.938E-04	3.155E-04	2.768E-04	2.560E-04	2.445E-04	2.385E-04
WSW	2.737E-04	2.166E-04	1.721E-04	1.405E-04	4.393E-04	4.538E-04	3.064E-04	2.589E-04	2.365E-04	2.255E-04	2.206E-04	2.191E-04
W	2.849E-04	2.259E-04	1.798E-04	1.470E-04	4.592E-04	4.785E-04	3.274E-04	2.803E-04	2.593E-04	2.510E-04	2.485E-04	2.491E-04
WNW	3.899E-04	2.976E-04	2.377E-04	1.945E-04	6.071E-04	6.254E-04	4.205E-04	3.558E-04	3.275E-04	3.153E-04	3.114E-04	3.135E-04
NW	4.498E-04	3.609E-04	2.723E-04	2.212E-04	6.874E-04	7.107E-04	4.717E-04	3.912E-04	3.517E-04	3.307E-04	3.195E-04	3.141E-04
NNW	5.304E-04	4.037E-04	2.891E-04	2.289E-04	6.926E-04	7.050E-04	4.697E-04	3.891E-04	3.492E-04	3.274E-04	3.152E-04	3.086E-04

TOTAL DOSE COMMITMENT IS 6.822E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.061E-02	7.036E-03	5.060E-03	3.886E-03	1.161E-02	1.165E-02	7.523E-03	6.019E-03	5.226E-03	4.756E-03	4.460E-03	4.267E-03
NNE	1.387E-02	9.877E-03	6.173E-03	4.690E-03	1.340E-02	1.325E-02	8.465E-03	6.633E-03	5.642E-03	5.033E-03	4.646E-03	4.394E-03
NE	1.945E-02	1.225E-02	7.487E-03	5.572E-03	1.581E-02	1.584E-02	1.014E-02	7.881E-03	6.663E-03	5.923E-03	5.428E-03	5.081E-03
ENE	1.678E-02	1.228E-02	7.422E-03	5.248E-03	1.387E-02	1.317E-02	8.373E-03	6.584E-03	5.605E-03	4.998E-03	4.597E-03	4.318E-03
E	6.035E-03	6.272E-03	4.300E-03	3.318E-03	9.785E-03	9.957E-03	6.402E-03	5.002E-03	4.240E-03	3.784E-03	3.487E-03	3.281E-03
ESE	2.531E-03	2.455E-03	2.152E-03	1.833E-03	6.312E-03	7.369E-03	4.997E-03	3.938E-03	3.324E-03	2.925E-03	2.649E-03	2.451E-03
SE	1.499E-03	7.514E-04	5.951E-04	5.166E-04	1.900E-03	2.333E-03	1.624E-03	1.293E-03	1.101E-03	9.760E-04	8.904E-04	8.290E-04
SSE	1.069E-03	6.101E-04	2.262E-04	1.651E-04	4.166E-04	3.571E-04	2.231E-04	1.756E-04	1.496E-04	1.329E-04	1.211E-04	1.122E-04
S	1.837E-03	1.214E-03	8.471E-04	6.553E-04	1.755E-03	1.364E-03	7.405E-04	5.595E-04	4.868E-04	4.557E-04	4.442E-04	4.440E-04
SSW	3.009E-03	2.400E-03	1.957E-03	1.627E-03	5.253E-03	5.510E-03	3.493E-03	2.693E-03	2.273E-03	2.028E-03	1.887E-03	1.805E-03
SW	3.731E-03	3.097E-03	2.555E-03	2.151E-03	7.172E-03	7.829E-03	5.079E-03	3.965E-03	3.385E-03	3.049E-03	2.843E-03	2.714E-03
WSW	3.643E-03	2.887E-03	2.294E-03	1.873E-03	5.841E-03	5.947E-03	3.904E-03	3.200E-03	2.838E-03	2.634E-03	2.516E-03	2.448E-03
W	3.782E-03	3.005E-03	2.394E-03	1.956E-03	6.098E-03	6.252E-03	4.144E-03	3.434E-03	3.081E-03	2.902E-03	2.805E-03	2.754E-03
WNW	5.183E-03	3.958E-03	3.164E-03	2.590E-03	8.064E-03	8.171E-03	5.314E-03	4.340E-03	3.865E-03	3.612E-03	3.479E-03	3.428E-03
NW	5.989E-03	4.825E-03	3.638E-03	2.955E-03	9.161E-03	9.342E-03	6.041E-03	4.871E-03	4.261E-03	3.906E-03	3.688E-03	3.551E-03
NNW	7.105E-03	5.426E-03	3.879E-03	3.070E-03	9.259E-03	9.296E-03	6.044E-03	4.877E-03	4.266E-03	3.904E-03	3.677E-03	3.529E-03

TOTAL DOSE COMMITMENT IS 8.825E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 4--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.563E-01	1.417E+00	6.986E-01	1.331E-01	7.390E-02	4.948E+00
GROUND	3.098E-02	3.098E-02	3.098E-02	3.098E-02	3.098E-02	3.098E-02
CLOUD	4.269E-02	4.269E-02	4.269E-02	4.269E-02	4.269E-02	4.269E-02
VEG. ING	1.189E+00	1.407E+01	1.189E+00	3.666E+00	3.079E+00	1.189E+00
MEAT ING	4.208E-02	5.088E-01	4.208E-02	1.365E-01	1.123E-01	4.208E-02
MILK ING	3.585E-02	4.637E-01	3.585E-02	7.511E-02	7.880E-02	3.585E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.497E+00	1.653E+01	2.039E+00	4.084E+00	3.417E+00	6.288E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.189E+00	1.407E+01	1.189E+00	3.665E+00	3.078E+00	1.189E+00
MEAT ING	9.489E-01	1.147E+01	9.489E-01	3.079E+00	2.533E+00	9.489E-01
MILK ING	3.237E-02	4.188E-01	3.237E-02	6.783E-02	7.116E-02	3.237E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.170E+00	2.596E+01	2.170E+00	6.813E+00	5.683E+00	2.170E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.563E-01	1.417E+00	6.986E-01	1.331E-01	7.390E-02	4.948E+00
GROUND	3.098E-02	3.098E-02	3.098E-02	3.098E-02	3.098E-02	3.098E-02
CLOUD	4.269E-02	4.269E-02	4.269E-02	4.269E-02	4.269E-02	4.269E-02
VEG. ING	2.378E+00	2.814E+01	2.378E+00	7.331E+00	6.157E+00	2.378E+00
MEAT ING	9.909E-01	1.198E+01	9.909E-01	3.216E+00	2.645E+00	9.909E-01
MILK ING	6.822E-02	8.825E-01	6.822E-02	1.429E-01	1.500E-01	6.822E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.667E+00	4.250E+01	4.209E+00	1.090E+01	9.100E+00	8.459E+00

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	1.269E-05	2.790E-05	2.790E-05	2.784E-05	2.679E+01	5.334E+01	5.322E+01	5.322E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.269E-05	2.790E-05	2.790E-05	2.784E-05	2.679E+01	5.334E+01	5.322E+01	5.322E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.033E-01	1.129E-01	1.129E-01	1.126E-01	2.216E+05	2.383E+05	2.377E+05	2.377E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.033E-01	1.129E-01	1.129E-01	1.126E-01	2.216E+05	2.383E+05	2.377E+05	2.377E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	3.264E-03	9.541E-03	9.541E-03	9.519E-03	6.822E+03	1.778E+04	1.774E+04	1.774E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.264E-03	9.541E-03	9.541E-03	9.519E-03	6.822E+03	1.778E+04	1.774E+04	1.774E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.570E-03	7.555E-03	7.555E-03	7.538E-03	5.369E+03	1.407E+04	1.404E+04	1.404E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.570E-03	7.555E-03	7.555E-03	7.538E-03	5.369E+03	1.407E+04	1.404E+04	1.404E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.327E-02	1.882E-02	1.882E-02	1.878E-02	2.833E+04	3.803E+04	3.794E+04	3.794E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.327E-02	1.882E-02	1.882E-02	1.878E-02	2.833E+04	3.803E+04	3.794E+04	3.794E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.271E-02	4.469E-02	4.469E-02	4.459E-02	6.988E+04	9.080E+04	9.058E+04	9.058E+04
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.271E-02	4.469E-02	4.469E-02	4.459E-02	6.988E+04	9.080E+04	9.058E+04	9.058E+04
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.651E-03	1.152E-02	1.152E-02	1.149E-02	7.604E+03	2.134E+04	2.129E+04	2.129E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.651E-03	1.152E-02	1.152E-02	1.149E-02	7.604E+03	2.134E+04	2.129E+04	2.129E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.492E-03	1.395E-02	1.395E-02	1.392E-02	1.808E+04	2.760E+04	2.753E+04	2.753E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		8.492E-03	1.395E-02	1.395E-02	1.392E-02	1.808E+04	2.760E+04	2.753E+04	2.753E+04

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
9	Restricted Area Boun	2	2.942E-02	3.591E-02	3.591E-02	3.583E-02	6.299E+04	7.432E+04	7.414E+04	7.414E+04
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		2.942E-02	3.591E-02	3.591E-02	3.583E-02	6.299E+04	7.432E+04	7.414E+04	7.414E+04
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
10	Bailroil	2	1.248E-05	2.778E-05	2.778E-05	2.771E-05	2.634E+01	5.304E+01	5.292E+01	5.292E+01
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.248E-05	2.778E-05	2.778E-05	2.771E-05	2.634E+01	5.304E+01	5.292E+01	5.292E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
11	Jeffrey City	2	1.183E-05	2.508E-05	2.508E-05	2.502E-05	2.502E+01	4.813E+01	4.803E+01	4.803E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.183E-05	2.508E-05	2.508E-05	2.502E-05	2.502E+01	4.813E+01	4.803E+01	4.803E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
12	Rawlins	2	2.412E-06	5.174E-06	5.174E-06	5.162E-06	5.098E+00	9.918E+00	9.896E+00	9.896E+00
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		2.412E-06	5.174E-06	5.174E-06	5.162E-06	5.098E+00	9.918E+00	9.896E+00	9.896E+00
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
13	Special Receptor #1	2	5.919E-03	2.641E-02	2.641E-02	2.634E-02	1.209E+04	4.785E+04	4.775E+04	4.775E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		5.919E-03	2.641E-02	2.641E-02	2.634E-02	1.209E+04	4.785E+04	4.775E+04	4.775E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
14	Special Receptor #2	2	2.154E-03	6.633E-03	6.633E-03	6.618E-03	4.491E+03	1.231E+04	1.228E+04	1.228E+04
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		2.154E-03	6.633E-03	6.633E-03	6.618E-03	4.491E+03	1.231E+04	1.228E+04	1.228E+04

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NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS							GROUND CONCENTRATIONS, PCI/M2				
	AIRBORNE CONCENTRATIONS, PCI/M3											
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.694E+00	1.695E+00	1.643E+00	1.569E+00	3.902E-05	1.056E-06	7.453E-10	1.593E-05	1.343E+00	1.343E+00	1.343E+00	2.964E+01
2	2.208E+02	1.964E+02	6.502E+01	1.945E+01	9.137E-06	5.173E-09	8.466E-14	6.045E-04	1.555E+02	1.555E+02	1.555E+02	6.738E+00
3	1.101E+02	9.807E+01	3.416E+01	1.141E+01	6.313E-06	4.182E-09	7.964E-14	3.168E-04	7.768E+01	7.768E+01	7.768E+01	4.655E+00
4	8.984E+01	6.834E+01	1.816E+01	5.380E+00	2.724E-06	1.756E-09	3.519E-14	1.825E-04	5.413E+01	5.413E+01	5.413E+01	2.049E+00
5	1.027E+02	9.384E+01	3.808E+01	1.469E+01	9.811E-06	7.735E-09	1.741E-13	3.445E-04	7.432E+01	7.432E+01	7.432E+01	7.235E+00
6	2.128E+02	1.754E+02	4.365E+01	9.912E+00	3.335E-06	1.377E-09	1.660E-14	4.390E-04	1.389E+02	1.389E+02	1.389E+02	2.460E+00
7	1.408E+02	1.232E+02	3.908E+01	1.182E+01	5.743E-06	3.365E-09	5.692E-14	3.691E-04	9.756E+01	9.756E+01	9.756E+01	4.235E+00
8	9.890E+01	8.956E+01	3.429E+01	1.260E+01	7.920E-06	5.911E-09	1.263E-13	3.131E-04	7.093E+01	7.093E+01	7.093E+01	5.841E+00
9	1.318E+02	1.199E+02	4.733E+01	1.725E+01	1.053E-05	7.631E-09	1.585E-13	4.278E-04	9.496E+01	9.496E+01	9.496E+01	7.766E+00
10	1.798E+00	1.799E+00	1.765E+00	1.710E+00	5.415E-05	1.875E-06	1.708E-09	1.718E-05	1.425E+00	1.425E+00	1.425E+00	4.117E+01
11	6.455E-01	6.459E-01	6.431E-01	6.351E-01	2.943E-05	1.468E-06	1.950E-09	6.295E-06	5.116E-01	5.116E-01	5.116E-01	2.197E+01
12	2.858E-01	2.860E-01	2.846E-01	2.807E-01	1.425E-05	8.607E-07	1.429E-09	2.784E-06	2.265E-01	2.265E-01	2.265E-01	1.078E+01
13	3.438E+02	2.398E+02	4.376E+01	8.104E+00	2.370E-06	1.008E-09	1.603E-14	4.991E-04	1.900E+02	1.900E+02	1.900E+02	1.799E+00
14	1.006E+02	9.151E+01	4.066E+01	1.958E+01	1.964E-05	2.309E-08	7.767E-13	3.734E-04	7.248E+01	7.248E+01	7.248E+01	1.461E+01



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TIME STEP NUMBER 4, NODE -

NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.27E-05	1.27E-05	2.79E-05	2.79E-05	1.59E-05	6.69E-05	2.89E-05	2.78E-05
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.54E-06	3.17E-06	3.49E-04	1.40E-05	4.78E-04	1.67E-05	1.44E-07	3.98E-06

SUM OF FRACTIONS EQUALS 8.68E-04

NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.13E-01	1.13E-01	6.05E-04	1.13E-01	1.13E-01	1.13E-01
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.07E-02	2.58E-02	1.41E+00	5.64E-02	1.82E-02	2.82E-02	5.63E-04	1.61E-02

SUM OF FRACTIONS EQUALS 1.58E+00

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TIME STEP NUMBER 4, Cells 1 & 2 closed, 3 & 4 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 1 NAME=Nearest Resident X= 28.0KM Y= 0.0KM Z= 73.9M DIST= 28.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.27E-05	1.27E-05	2.79E-05	2.79E-05	1.59E-05	6.69E-05	2.89E-05	2.78E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.12E-04	2.54E-04	9.30E-04	3.10E-05	1.45E-02	1.12E-04	7.23E-07	3.09E-05

SUM OF FRACTIONS EQUALS 1.60E-02

NUMBER 2 NAME= N Permit Area Boun X= 0.0KM Y= 0.3KM Z= 6.9M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.13E-01	1.13E-01	6.05E-04	1.13E-01	1.13E-01	1.13E-01
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.72E+00	2.06E+00	3.77E+00	1.26E-01	5.50E-01	1.88E-01	2.83E-03	1.26E-01

SUM OF FRACTIONS EQUALS 8.54E+00



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TIME STEP NUMBER 4, Cells 1 & 2 closed, 3 & 4 full  
SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20  
DURATION IN YRS IS ... 3.0

NUMBER 3 NAME= S Permit Area Boun X= 0.0KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.26E-03	3.26E-03	9.54E-03	9.54E-03	3.17E-04	9.52E-03	9.52E-03	9.52E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.43E-02	6.52E-02	3.18E-01	1.06E-02	2.88E-01	1.59E-02	2.38E-04	1.06E-02

SUM OF FRACTIONS EQUALS 7.63E-01

NUMBER 4 NAME= E Permit Area Boun X= 1.9KM Y= 0.0KM Z= -0.8M DIST= 1.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.57E-03	2.57E-03	7.56E-03	7.56E-03	1.83E-04	7.54E-03	7.54E-03	7.54E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.28E-02	5.14E-02	2.52E-01	8.40E-03	1.66E-01	1.26E-02	1.89E-04	8.38E-03

SUM OF FRACTIONS EQUALS 5.42E-01

REGION: Sweetwater Uranium Facility  
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DURATION IN YRS IS ...

TIME STEP NUMBER 4, Cells 1 & 2 closed, 3 & 4 full

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 5 NAME= W Permit Area Boun X= -0.3KM Y= 0.0KM Z= -3.8M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.33E-02	1.33E-02	1.88E-02	1.88E-02	3.44E-04	1.88E-02	1.88E-02	1.88E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.22E-01	2.66E-01	6.27E-01	2.09E-02	3.13E-01	3.13E-02	4.70E-04	2.09E-02

SUM OF FRACTIONS EQUALS 1.50E+00

NUMBER 6 NAME= NE Permit Area Boun X= 0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.27E-02	3.27E-02	4.47E-02	4.47E-02	4.39E-04	4.46E-02	4.46E-02	4.46E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.45E-01	6.54E-01	1.49E+00	4.97E-02	3.99E-01	7.43E-02	1.12E-03	4.96E-02

SUM OF FRACTIONS EQUALS 3.26E+00

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TIME STEP NUMBER 4, Cells 1 & 2 closed, 3 & 4 full

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 7 NAME= SE Permit Area Boun X= 0.2KM Y= -0.2KM Z= -0.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.65E-03	3.65E-03	1.15E-02	1.15E-02	3.69E-04	1.15E-02	1.15E-02	1.15E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	6.08E-02	7.30E-02	3.83E-01	1.28E-02	3.35E-01	1.92E-02	2.88E-04	1.28E-02

SUM OF FRACTIONS EQUALS 8.98E-01

NUMBER 8 NAME= SW Permit Area Boun X= -0.2KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.49E-03	8.49E-03	1.39E-02	1.39E-02	3.13E-04	1.39E-02	1.39E-02	1.39E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.42E-01	1.70E-01	4.63E-01	1.54E-02	2.85E-01	2.32E-02	3.48E-04	1.54E-02

SUM OF FRACTIONS EQUALS 1.11E+00

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 4, Cells 1 & 2 closed, 3 & 4 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 9 NAME= NW Permit Area Boun X= -0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.94E-02	2.94E-02	3.59E-02	3.59E-02	4.28E-04	3.58E-02	3.58E-02	3.58E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.90E-01	5.88E-01	1.20E+00	3.99E-02	3.89E-01	5.97E-02	8.95E-04	3.98E-02

SUM OF FRACTIONS EQUALS 2.80E+00

NUMBER 10 NAME= Baroil X= 28.6KM Y= 21.6KM Z= 107.4M DIST= 35.8KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.25E-05	1.25E-05	2.78E-05	2.78E-05	1.72E-05	8.19E-05	2.96E-05	2.77E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.08E-04	2.50E-04	9.27E-04	3.09E-05	1.56E-02	1.37E-04	7.40E-07	3.08E-05

SUM OF FRACTIONS EQUALS 1.72E-02

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 4, Cells 1 & 2 closed, 3 & 4 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 11 NAME= Jeffrey City X= 7.0KM Y= 49.5KM Z= -75.4M DIST= 50.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.18E-05	1.18E-05	2.51E-05	2.51E-05	6.29E-06	5.44E-05	2.65E-05	2.50E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.97E-04	2.36E-04	8.37E-04	2.79E-05	5.72E-03	9.07E-05	6.63E-07	2.78E-05

SUM OF FRACTIONS EQUALS 7.13E-03

NUMBER 12 NAME= Rawlins X= 54.6KM Y= -27.9KM Z= 37.0M DIST= 61.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.41E-06	2.41E-06	5.17E-06	5.17E-06	2.78E-06	1.94E-05	6.02E-06	5.16E-06
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.02E-05	4.82E-05	1.72E-04	5.74E-06	2.53E-03	3.23E-05	1.51E-07	5.73E-06

SUM OF FRACTIONS EQUALS 2.83E-03

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 4, Cells 1 & 2 closed, 3 & 4 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 13 NAME= Special Receptor #1 X= 1.4KM Y= 1.0KM Z= 0.8M DIST= 1.7KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	5.92E-03	5.92E-03	2.64E-02	2.64E-02	4.99E-04	2.63E-02	2.63E-02	2.63E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	9.87E-02	1.18E-01	8.80E-01	2.93E-02	4.54E-01	4.38E-02	6.58E-04	2.92E-02

SUM OF FRACTIONS EQUALS 1.65E+00

NUMBER 14 NAME= Special Receptor #2 X= 2.0KM Y= 2.1KM Z= 0.8M DIST= 2.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.15E-03	2.15E-03	6.63E-03	6.63E-03	3.73E-04	6.64E-03	6.62E-03	6.62E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	3.58E-02	4.30E-02	2.21E-01	7.37E-03	3.39E-01	1.11E-02	1.66E-04	7.36E-03

SUM OF FRACTIONS EQUALS 6.65E-01

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.307E-03	1.409E-02	1.409E-02	1.406E-02	1.691E+02	1.555E+02	6.452E+01	2.544E+01	1.751E-05	5.822E-04
2.5	2.511E-03	5.604E-03	5.604E-03	5.591E-03	8.074E+01	7.706E+01	4.207E+01	2.334E+01	2.863E-05	3.797E-04
3.5	1.328E-03	2.868E-03	2.868E-03	2.861E-03	4.776E+01	4.657E+01	2.998E+01	2.029E+01	3.934E-05	2.757E-04
4.5	8.116E-04	1.706E-03	1.706E-03	1.702E-03	3.207E+01	3.164E+01	2.251E+01	1.703E+01	4.719E-05	2.102E-04
7.5	2.902E-04	6.068E-04	6.068E-04	6.054E-04	1.547E+01	1.543E+01	1.269E+01	1.086E+01	6.183E-05	1.207E-04
15.0	7.079E-05	1.477E-04	1.477E-04	1.473E-04	5.680E+00	5.683E+00	5.266E+00	4.849E+00	6.592E-05	5.064E-05
25.0	2.583E-05	5.381E-05	5.381E-05	5.369E-05	2.737E+00	2.739E+00	2.667E+00	2.568E+00	6.202E-05	2.592E-05
35.0	1.374E-05	2.863E-05	2.863E-05	2.856E-05	1.711E+00	1.712E+00	1.696E+00	1.666E+00	5.877E-05	1.658E-05
45.0	8.566E-06	1.785E-05	1.785E-05	1.781E-05	1.201E+00	1.201E+00	1.199E+00	1.189E+00	5.577E-05	1.175E-05
55.0	5.861E-06	1.222E-05	1.222E-05	1.219E-05	9.021E-01	9.027E-01	9.039E-01	9.011E-01	5.314E-05	8.874E-06
65.0	4.265E-06	8.895E-06	8.895E-06	8.874E-06	7.090E-01	7.094E-01	7.116E-01	7.114E-01	5.082E-05	6.992E-06
75.0	3.244E-06	6.769E-06	6.769E-06	6.754E-06	5.752E-01	5.756E-01	5.779E-01	5.786E-01	4.876E-05	5.681E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.636E+04	3.383E+04	3.374E+04	3.374E+04	0.000E+00	3.386E+04	3.386E+04	3.386E+04	1.564E+01
2.5	6.515E+03	1.345E+04	1.342E+04	1.342E+04	0.000E+00	1.348E+04	1.348E+04	1.348E+04	2.562E+01
3.5	3.448E+03	6.904E+03	6.885E+03	6.885E+03	0.000E+00	6.921E+03	6.921E+03	6.921E+03	3.521E+01
4.5	2.109E+03	4.115E+03	4.103E+03	4.103E+03	0.000E+00	4.128E+03	4.128E+03	4.128E+03	4.224E+01
7.5	7.540E+02	1.465E+03	1.460E+03	1.460E+03	0.000E+00	1.473E+03	1.473E+03	1.473E+03	5.536E+01
15.0	1.839E+02	3.565E+02	3.554E+02	3.554E+02	0.000E+00	3.599E+02	3.599E+02	3.599E+02	5.916E+01
25.0	6.713E+01	1.299E+02	1.295E+02	1.295E+02	0.000E+00	1.317E+02	1.317E+02	1.317E+02	5.581E+01
35.0	3.571E+01	6.911E+01	6.891E+01	6.891E+01	0.000E+00	7.027E+01	7.027E+01	7.027E+01	5.298E+01
45.0	2.226E+01	4.309E+01	4.296E+01	4.296E+01	0.000E+00	4.392E+01	4.392E+01	4.392E+01	5.035E+01
55.0	1.523E+01	2.949E+01	2.941E+01	2.941E+01	0.000E+00	3.012E+01	3.012E+01	3.012E+01	4.802E+01
65.0	1.108E+01	2.147E+01	2.141E+01	2.141E+01	0.000E+00	2.197E+01	2.197E+01	2.197E+01	4.596E+01
75.0	8.429E+00	1.634E+01	1.629E+01	1.629E+01	0.000E+00	1.675E+01	1.675E+01	1.675E+01	4.413E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.307E-05	1.409E-04	1.409E-04	1.407E-04
2.5	2.511E-05	5.604E-05	5.604E-05	5.599E-05
3.5	1.328E-05	2.868E-05	2.868E-05	2.873E-05
4.5	8.116E-06	1.706E-05	1.706E-05	1.716E-05
7.5	2.902E-06	6.068E-06	6.068E-06	6.239E-06
15.0	7.079E-07	1.477E-06	1.477E-06	1.671E-06
25.0	2.583E-07	5.381E-07	5.381E-07	7.229E-07
35.0	1.374E-07	2.863E-07	2.863E-07	4.619E-07
45.0	8.566E-08	1.785E-07	1.785E-07	3.454E-07
55.0	5.861E-08	1.222E-07	1.222E-07	2.813E-07
65.0	4.265E-08	8.895E-08	8.895E-08	2.412E-07
75.0	3.244E-08	6.769E-08	6.769E-08	2.138E-07

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.098E-03	2.699E-02	2.699E-02	2.692E-02	3.436E+02	2.441E+02	4.305E+01	7.460E+00	1.996E-06	4.975E-04
2.5	2.938E-03	1.013E-02	1.013E-02	1.010E-02	1.495E+02	1.310E+02	4.983E+01	1.993E+01	1.475E-05	4.619E-04
3.5	1.539E-03	4.356E-03	4.356E-03	4.346E-03	7.069E+01	6.629E+01	3.390E+01	1.934E+01	2.711E-05	3.123E-04
4.5	9.559E-04	2.502E-03	2.502E-03	2.496E-03	4.472E+01	4.320E+01	2.576E+01	1.735E+01	3.751E-05	2.398E-04
7.5	3.570E-04	8.392E-04	8.392E-04	8.372E-04	1.859E+01	1.846E+01	1.357E+01	1.082E+01	5.255E-05	1.282E-04
15.0	9.324E-05	2.049E-04	2.049E-04	2.044E-04	6.188E+00	6.190E+00	5.435E+00	4.771E+00	5.640E-05	5.173E-05
25.0	3.521E-05	7.559E-05	7.558E-05	7.541E-05	2.875E+00	2.877E+00	2.732E+00	2.557E+00	5.298E-05	2.635E-05
35.0	1.882E-05	4.003E-05	4.003E-05	3.994E-05	1.766E+00	1.767E+00	1.727E+00	1.667E+00	5.016E-05	1.680E-05
45.0	1.175E-05	2.495E-05	2.495E-05	2.489E-05	1.234E+00	1.235E+00	1.223E+00	1.200E+00	4.784E-05	1.195E-05
55.0	8.047E-06	1.711E-05	1.711E-05	1.707E-05	9.299E-01	9.304E-01	9.275E-01	9.178E-01	4.596E-05	9.084E-06
65.0	5.860E-06	1.248E-05	1.248E-05	1.245E-05	7.324E-01	7.329E-01	7.331E-01	7.292E-01	4.420E-05	7.192E-06
75.0	4.458E-06	9.508E-06	9.507E-06	9.485E-06	5.954E-01	5.958E-01	5.971E-01	5.959E-01	4.258E-05	5.864E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.809E+04	6.272E+04	6.255E+04	6.255E+04	0.000E+00	6.275E+04	6.275E+04	6.275E+04	1.818E+00
2.5	7.518E+03	2.365E+04	2.359E+04	2.359E+04	0.000E+00	2.369E+04	2.369E+04	2.369E+04	1.323E+01
3.5	3.966E+03	1.029E+04	1.026E+04	1.026E+04	0.000E+00	1.031E+04	1.031E+04	1.031E+04	2.428E+01
4.5	2.469E+03	5.938E+03	5.922E+03	5.922E+03	0.000E+00	5.956E+03	5.956E+03	5.956E+03	3.358E+01
7.5	9.249E+02	2.007E+03	2.001E+03	2.001E+03	0.000E+00	2.016E+03	2.016E+03	2.016E+03	4.705E+01
15.0	2.420E+02	4.926E+02	4.912E+02	4.912E+02	0.000E+00	4.961E+02	4.961E+02	4.961E+02	5.062E+01
25.0	9.142E+01	1.820E+02	1.815E+02	1.815E+02	0.000E+00	1.838E+02	1.838E+02	1.838E+02	4.769E+01
35.0	4.888E+01	9.649E+01	9.621E+01	9.621E+01	0.000E+00	9.761E+01	9.761E+01	9.761E+01	4.523E+01
45.0	3.052E+01	6.013E+01	5.996E+01	5.996E+01	0.000E+00	6.094E+01	6.094E+01	6.094E+01	4.320E+01
55.0	2.090E+01	4.124E+01	4.113E+01	4.113E+01	0.000E+00	4.186E+01	4.186E+01	4.186E+01	4.153E+01
65.0	1.522E+01	3.007E+01	2.999E+01	2.999E+01	0.000E+00	3.057E+01	3.057E+01	3.057E+01	3.997E+01
75.0	1.158E+01	2.291E+01	2.284E+01	2.284E+01	0.000E+00	2.332E+01	2.332E+01	2.332E+01	3.853E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.098E-05	2.699E-04	2.699E-04	2.692E-04
2.5	2.938E-05	1.013E-04	1.013E-04	1.011E-04
3.5	1.539E-05	4.356E-05	4.356E-05	4.354E-05
4.5	9.559E-06	2.502E-05	2.502E-05	2.507E-05
7.5	3.570E-06	8.392E-06	8.392E-06	8.530E-06
15.0	9.324E-07	2.049E-06	2.049E-06	2.213E-06
25.0	3.521E-07	7.559E-07	7.558E-07	9.131E-07
35.0	1.882E-07	4.003E-07	4.003E-07	5.499E-07
45.0	1.175E-07	2.495E-07	2.495E-07	3.924E-07
55.0	8.047E-08	1.711E-07	1.711E-07	3.086E-07
65.0	5.860E-08	1.248E-07	1.248E-07	2.571E-07
75.0	4.458E-08	9.508E-08	9.507E-08	2.226E-07





TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.561E-03	8.025E-03	8.025E-03	8.006E-03	8.065E+01	5.313E+01	9.851E+00	2.037E+00	7.065E-07	1.123E-04
2.5	1.731E-03	5.126E-03	5.126E-03	5.114E-03	7.050E+01	5.989E+01	2.168E+01	8.929E+00	7.128E-06	2.049E-04
3.5	9.476E-04	2.486E-03	2.485E-03	2.480E-03	3.809E+01	3.536E+01	1.729E+01	9.862E+00	1.434E-05	1.609E-04
4.5	5.968E-04	1.483E-03	1.483E-03	1.480E-03	2.526E+01	2.431E+01	1.401E+01	9.379E+00	2.080E-05	1.311E-04
7.5	2.253E-04	5.185E-04	5.185E-04	5.173E-04	1.125E+01	1.118E+01	8.139E+00	6.456E+00	3.176E-05	7.686E-05
15.0	5.875E-05	1.286E-04	1.286E-04	1.283E-04	3.968E+00	3.969E+00	3.506E+00	3.086E+00	3.700E-05	3.338E-05
25.0	2.210E-05	4.749E-05	4.749E-05	4.738E-05	1.890E+00	1.892E+00	1.808E+00	1.700E+00	3.606E-05	1.745E-05
35.0	1.181E-05	2.516E-05	2.516E-05	2.510E-05	1.173E+00	1.174E+00	1.153E+00	1.118E+00	3.462E-05	1.123E-05
45.0	7.373E-06	1.563E-05	1.563E-05	1.559E-05	8.206E-01	8.211E-01	8.158E-01	8.033E-01	3.310E-05	7.978E-06
55.0	5.049E-06	1.071E-05	1.070E-05	1.068E-05	6.178E-01	6.182E-01	6.176E-01	6.130E-01	3.178E-05	6.054E-06
65.0	3.677E-06	7.811E-06	7.810E-06	7.792E-06	4.871E-01	4.874E-01	4.883E-01	4.868E-01	3.060E-05	4.793E-06
75.0	2.798E-06	5.953E-06	5.953E-06	5.939E-06	3.962E-01	3.965E-01	3.977E-01	3.976E-01	2.950E-05	3.908E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	9.237E+03	1.925E+04	1.920E+04	1.920E+04	0.000E+00	1.924E+04	1.924E+04	1.924E+04	6.535E-01
2.5	4.453E+03	1.207E+04	1.204E+04	1.204E+04	0.000E+00	1.209E+04	1.209E+04	1.209E+04	6.402E+00
3.5	2.448E+03	5.899E+03	5.882E+03	5.882E+03	0.000E+00	5.910E+03	5.910E+03	5.910E+03	1.285E+01
4.5	1.544E+03	3.532E+03	3.523E+03	3.523E+03	0.000E+00	3.542E+03	3.542E+03	3.542E+03	1.861E+01
7.5	5.840E+02	1.242E+03	1.239E+03	1.239E+03	0.000E+00	1.247E+03	1.247E+03	1.247E+03	2.842E+01
15.0	1.525E+02	3.092E+02	3.084E+02	3.084E+02	0.000E+00	3.115E+02	3.115E+02	3.115E+02	3.319E+01
25.0	5.738E+01	1.144E+02	1.140E+02	1.140E+02	0.000E+00	1.155E+02	1.155E+02	1.155E+02	3.244E+01
35.0	3.068E+01	6.062E+01	6.045E+01	6.045E+01	0.000E+00	6.138E+01	6.138E+01	6.138E+01	3.120E+01
45.0	1.915E+01	3.767E+01	3.757E+01	3.757E+01	0.000E+00	3.822E+01	3.822E+01	3.822E+01	2.987E+01
55.0	1.311E+01	2.581E+01	2.573E+01	2.573E+01	0.000E+00	2.622E+01	2.622E+01	2.622E+01	2.871E+01
65.0	9.550E+00	1.883E+01	1.877E+01	1.877E+01	0.000E+00	1.916E+01	1.916E+01	1.916E+01	2.766E+01
75.0	7.266E+00	1.435E+01	1.431E+01	1.431E+01	0.000E+00	1.462E+01	1.462E+01	1.462E+01	2.668E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.561E-05	8.025E-05	8.025E-05	8.006E-05
2.5	1.731E-05	5.126E-05	5.126E-05	5.117E-05
3.5	9.476E-06	2.486E-05	2.485E-05	2.484E-05
4.5	5.968E-06	1.483E-05	1.483E-05	1.486E-05
7.5	2.253E-06	5.185E-06	5.185E-06	5.268E-06
15.0	5.875E-07	1.286E-06	1.286E-06	1.394E-06
25.0	2.210E-07	4.749E-07	4.749E-07	5.820E-07
35.0	1.181E-07	2.516E-07	2.516E-07	3.548E-07
45.0	7.373E-08	1.563E-07	1.563E-07	2.552E-07
55.0	5.049E-08	1.071E-07	1.070E-07	2.021E-07
65.0	3.677E-08	7.811E-08	7.810E-08	1.697E-07
75.0	2.798E-08	5.953E-08	5.953E-08	1.479E-07



TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.215E-04	2.534E-03	2.533E-03	2.528E-03	4.419E+01	4.236E+01	2.211E+01	1.193E+01	1.446E-05	2.003E-04
2.5	3.134E-04	9.965E-04	9.965E-04	9.942E-04	2.017E+01	1.979E+01	1.265E+01	8.431E+00	1.619E-05	1.160E-04
3.5	1.649E-04	4.937E-04	4.937E-04	4.926E-04	1.153E+01	1.142E+01	8.254E+00	6.212E+00	1.708E-05	7.679E-05
4.5	9.904E-05	2.962E-04	2.962E-04	2.955E-04	7.973E+00	7.935E+00	6.175E+00	4.980E+00	1.818E-05	5.806E-05
7.5	3.178E-05	9.388E-05	9.388E-05	9.366E-05	3.568E+00	3.566E+00	3.117E+00	2.759E+00	1.856E-05	2.977E-05
15.0	6.040E-06	1.700E-05	1.700E-05	1.696E-05	1.142E+00	1.143E+00	1.097E+00	1.043E+00	1.601E-05	1.063E-05
25.0	1.835E-06	4.714E-06	4.714E-06	4.703E-06	4.971E-01	4.974E-01	4.929E-01	4.849E-01	1.351E-05	4.820E-06
35.0	8.781E-07	2.086E-06	2.086E-06	2.081E-06	2.916E-01	2.918E-01	2.917E-01	2.904E-01	1.203E-05	2.863E-06
45.0	5.081E-07	1.139E-06	1.138E-06	1.136E-06	1.964E-01	1.965E-01	1.970E-01	1.970E-01	1.099E-05	1.936E-06
55.0	3.278E-07	7.032E-07	7.032E-07	7.016E-07	1.432E-01	1.433E-01	1.439E-01	1.441E-01	1.020E-05	1.415E-06
65.0	2.273E-07	4.714E-07	4.714E-07	4.703E-07	1.100E-01	1.101E-01	1.106E-01	1.109E-01	9.567E-06	1.088E-06
75.0	1.660E-07	3.364E-07	3.364E-07	3.356E-07	8.787E-02	8.792E-02	8.835E-02	8.863E-02	9.062E-06	8.691E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.845E+03	5.911E+03	5.895E+03	5.895E+03	0.000E+00	5.929E+03	5.929E+03	5.929E+03	1.287E+01	
2.5	8.044E+02	2.337E+03	2.331E+03	2.331E+03	0.000E+00	2.347E+03	2.347E+03	2.347E+03	1.443E+01	
3.5	4.243E+02	1.162E+03	1.159E+03	1.159E+03	0.000E+00	1.168E+03	1.168E+03	1.168E+03	1.523E+01	
4.5	2.548E+02	6.973E+02	6.954E+02	6.954E+02	0.000E+00	7.016E+02	7.016E+02	7.016E+02	1.622E+01	
7.5	8.177E+01	2.211E+02	2.205E+02	2.205E+02	0.000E+00	2.234E+02	2.234E+02	2.234E+02	1.658E+01	
15.0	1.557E+01	4.015E+01	4.004E+01	4.004E+01	0.000E+00	4.095E+01	4.095E+01	4.095E+01	1.434E+01	
25.0	4.744E+00	1.120E+01	1.117E+01	1.117E+01	0.000E+00	1.157E+01	1.157E+01	1.157E+01	1.214E+01	
35.0	2.274E+00	4.984E+00	4.970E+00	4.970E+00	0.000E+00	5.202E+00	5.202E+00	5.202E+00	1.083E+01	
45.0	1.318E+00	2.733E+00	2.725E+00	2.725E+00	0.000E+00	2.881E+00	2.881E+00	2.881E+00	9.908E+00	
55.0	8.513E-01	1.694E+00	1.689E+00	1.689E+00	0.000E+00	1.802E+00	1.802E+00	1.802E+00	9.206E+00	
65.0	5.908E-01	1.139E+00	1.135E+00	1.135E+00	0.000E+00	1.222E+00	1.222E+00	1.222E+00	8.645E+00	
75.0	4.317E-01	8.140E-01	8.117E-01	8.117E-01	0.000E+00	8.813E-01	8.813E-01	8.813E-01	8.195E+00	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.215E-06	2.534E-05	2.533E-05	2.532E-05
2.5	3.134E-06	9.965E-06	9.965E-06	9.990E-06
3.5	1.649E-06	4.937E-06	4.937E-06	4.977E-06
4.5	9.904E-07	2.962E-06	2.962E-06	3.010E-06
7.5	3.178E-07	9.388E-07	9.388E-07	9.923E-07
15.0	6.040E-08	1.700E-07	1.700E-07	2.176E-07
25.0	1.835E-08	4.714E-08	4.714E-08	8.757E-08
35.0	8.781E-09	2.086E-08	2.086E-08	5.691E-08
45.0	5.081E-09	1.139E-08	1.138E-08	4.433E-08
55.0	3.278E-09	7.032E-09	7.032E-09	3.761E-08
65.0	2.273E-09	4.714E-09	4.714E-09	3.340E-08
75.0	1.660E-09	3.364E-09	3.364E-09	3.054E-08



TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.183E-03	4.784E-03	4.784E-03	4.773E-03	4.826E+01	4.658E+01	2.821E+01	1.718E+01	2.504E-05	2.551E-04
2.5	1.440E-03	2.297E-03	2.297E-03	2.292E-03	3.096E+01	3.049E+01	2.153E+01	1.562E+01	3.516E-05	1.988E-04
3.5	7.921E-04	1.313E-03	1.313E-03	1.309E-03	2.188E+01	2.172E+01	1.676E+01	1.339E+01	4.232E-05	1.573E-04
4.5	4.907E-04	8.353E-04	8.352E-04	8.333E-04	1.651E+01	1.645E+01	1.342E+01	1.132E+01	4.712E-05	1.272E-04
7.5	1.736E-04	3.112E-04	3.112E-04	3.105E-04	8.919E+00	8.918E+00	7.928E+00	7.151E+00	5.349E-05	7.605E-05
15.0	4.012E-05	7.677E-05	7.677E-05	7.659E-05	3.655E+00	3.657E+00	3.506E+00	3.328E+00	5.379E-05	3.395E-05
25.0	1.412E-05	2.801E-05	2.800E-05	2.794E-05	1.857E+00	1.858E+00	1.836E+00	1.798E+00	5.036E-05	1.793E-05
35.0	7.461E-06	1.498E-05	1.498E-05	1.494E-05	1.187E+00	1.187E+00	1.185E+00	1.176E+00	4.763E-05	1.162E-05
45.0	4.632E-06	9.358E-06	9.358E-06	9.337E-06	8.432E-01	8.437E-01	8.453E-01	8.435E-01	4.518E-05	8.301E-06
55.0	3.156E-06	6.434E-06	6.434E-06	6.419E-06	6.431E-01	6.435E-01	6.458E-01	6.462E-01	4.334E-05	6.347E-06
65.0	2.286E-06	4.693E-06	4.693E-06	4.682E-06	5.110E-01	5.113E-01	5.135E-01	5.146E-01	4.167E-05	5.050E-06
75.0	1.729E-06	3.568E-06	3.568E-06	3.559E-06	4.177E-01	4.180E-01	4.200E-01	4.212E-01	4.015E-05	4.131E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	8.324E+03	1.192E+04	1.188E+04	1.188E+04	0.000E+00	1.192E+04	1.192E+04	1.192E+04	2.233E+01	
2.5	3.762E+03	5.685E+03	5.669E+03	5.669E+03	0.000E+00	5.693E+03	5.693E+03	5.693E+03	3.141E+01	
3.5	2.068E+03	3.236E+03	3.227E+03	3.227E+03	0.000E+00	3.244E+03	3.244E+03	3.244E+03	3.782E+01	
4.5	1.280E+03	2.054E+03	2.048E+03	2.048E+03	0.000E+00	2.061E+03	2.061E+03	2.061E+03	4.214E+01	
7.5	4.524E+02	7.613E+02	7.591E+02	7.591E+02	0.000E+00	7.662E+02	7.662E+02	7.662E+02	4.787E+01	
15.0	1.045E+02	1.867E+02	1.862E+02	1.862E+02	0.000E+00	1.891E+02	1.891E+02	1.891E+02	4.827E+01	
25.0	3.673E+01	6.789E+01	6.770E+01	6.770E+01	0.000E+00	6.917E+01	6.917E+01	6.917E+01	4.531E+01	
35.0	1.940E+01	3.627E+01	3.617E+01	3.617E+01	0.000E+00	3.711E+01	3.711E+01	3.711E+01	4.293E+01	
45.0	1.204E+01	2.265E+01	2.259E+01	2.259E+01	0.000E+00	2.325E+01	2.325E+01	2.325E+01	4.078E+01	
55.0	8.206E+00	1.556E+01	1.552E+01	1.552E+01	0.000E+00	1.603E+01	1.603E+01	1.603E+01	3.915E+01	
65.0	5.942E+00	1.134E+01	1.131E+01	1.131E+01	0.000E+00	1.172E+01	1.172E+01	1.172E+01	3.767E+01	
75.0	4.493E+00	8.620E+00	8.595E+00	8.595E+00	0.000E+00	8.926E+00	8.926E+00	8.926E+00	3.632E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.183E-05	4.784E-05	4.784E-05	4.780E-05
2.5	1.440E-05	2.297E-05	2.297E-05	2.302E-05
3.5	7.921E-06	1.313E-05	1.313E-05	1.322E-05
4.5	4.907E-06	8.353E-06	8.352E-06	8.474E-06
7.5	1.736E-06	3.112E-06	3.112E-06	3.265E-06
15.0	4.012E-07	7.677E-07	7.677E-07	9.273E-07
25.0	1.412E-07	2.801E-07	2.800E-07	4.305E-07
35.0	7.461E-08	1.498E-07	1.498E-07	2.923E-07
45.0	4.632E-08	9.358E-08	9.358E-08	2.289E-07
55.0	3.156E-08	6.434E-08	6.434E-08	1.942E-07
65.0	2.286E-08	4.693E-08	4.693E-08	1.718E-07
75.0	1.729E-08	3.568E-08	3.568E-08	1.560E-07

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.015E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.671E-02	9.368E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.777E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.197E-01	5.010E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.878E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.715E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.783E-04	1.017E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.152E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.125E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.568E-01 PERSON-REM/YR

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.108E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.525E-01	8.522E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.281E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.085E+00	4.534E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.554E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.006E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.381E-03	9.039E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.909E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.694E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.421E+00 PERSON-REM/YR

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.223E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.790E-02	4.254E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.674E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.354E-01	2.190E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.733E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.305E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.638E-03	4.172E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.407E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.698E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.990E-01 PERSON-REM/YR

REGION: Sweetwater Uranium Facil  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

PAGE 133  
02/25/94

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.748E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.297E-01	3.240E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.942E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.644E+00	1.582E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.590E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.210E-02	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.921E-02	5.562E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.200E-01	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.961E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 5.087E+00 PERSON-REM/YR



Recycled Paper

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.363E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.316E-03	2.363E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.488E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.966E-02	1.217E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.780E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.381E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.054E-05	2.322E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.722E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.507E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.877E-02 PERSON-REM/YR



TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.156E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.402E-03	2.765E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.624E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.151E-02	1.379E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.340E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.458E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.677E-04	4.884E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.057E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.718E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.389E-02 PERSON-REM/YR

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.554E-02	1.695E-02	1.218E-02	9.351E-03	2.820E-02	2.954E-02	2.055E-02	1.777E-02	1.661E-02	1.616E-02	1.607E-02	1.618E-02
NNE	3.388E-02	2.421E-02	1.501E-02	1.139E-02	3.265E-02	3.328E-02	2.254E-02	1.883E-02	1.707E-02	1.618E-02	1.580E-02	1.572E-02
NE	4.818E-02	3.022E-02	1.830E-02	1.358E-02	3.850E-02	3.947E-02	2.650E-02	2.177E-02	1.949E-02	1.833E-02	1.770E-02	1.739E-02
ENE	4.167E-02	3.047E-02	1.828E-02	1.286E-02	3.391E-02	3.293E-02	2.206E-02	1.843E-02	1.668E-02	1.577E-02	1.531E-02	1.510E-02
E	1.454E-02	1.536E-02	1.046E-02	8.058E-03	2.380E-02	2.484E-02	1.684E-02	1.398E-02	1.260E-02	1.192E-02	1.160E-02	1.147E-02
ESE	5.894E-03	5.826E-03	5.140E-03	4.387E-03	1.520E-02	1.809E-02	1.271E-02	1.043E-02	9.195E-03	8.453E-03	7.987E-03	7.700E-03
SE	3.636E-03	1.766E-03	1.396E-03	1.217E-03	4.538E-03	5.743E-03	4.189E-03	3.513E-03	3.154E-03	2.947E-03	2.825E-03	2.755E-03
SSE	2.696E-03	1.538E-03	5.640E-04	4.128E-04	1.056E-03	9.548E-04	6.342E-04	5.241E-04	4.659E-04	4.297E-04	4.052E-04	3.877E-04
S	4.537E-03	2.990E-03	2.084E-03	1.618E-03	4.408E-03	3.716E-03	2.344E-03	2.035E-03	1.976E-03	2.007E-03	2.078E-03	2.171E-03
SSW	7.156E-03	5.720E-03	4.680E-03	3.905E-03	1.276E-02	1.396E-02	9.558E-03	8.014E-03	7.343E-03	7.061E-03	7.024E-03	7.114E-03
SW	8.723E-03	7.284E-03	6.037E-03	5.106E-03	1.726E-02	1.971E-02	1.380E-02	1.169E-02	1.083E-02	1.050E-02	1.045E-02	1.055E-02
WSW	8.564E-03	6.821E-03	5.445E-03	4.466E-03	1.415E-02	1.525E-02	1.102E-02	9.928E-03	9.587E-03	9.575E-03	9.730E-03	9.972E-03
W	8.829E-03	7.062E-03	5.657E-03	4.649E-03	1.477E-02	1.621E-02	1.195E-02	1.093E-02	1.068E-02	1.083E-02	1.113E-02	1.150E-02
WNW	1.215E-02	9.299E-03	7.476E-03	6.152E-03	1.952E-02	2.117E-02	1.540E-02	1.398E-02	1.366E-02	1.379E-02	1.415E-02	1.470E-02
NW	1.407E-02	1.148E-02	8.665E-03	7.068E-03	2.223E-02	2.390E-02	1.685E-02	1.481E-02	1.402E-02	1.379E-02	1.384E-02	1.403E-02
NNW	1.693E-02	1.305E-02	9.316E-03	7.389E-03	2.254E-02	2.371E-02	1.669E-02	1.459E-02	1.375E-02	1.345E-02	1.343E-02	1.356E-02

TOTAL DOSE COMMITMENT IS 2.410E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.084E-01	2.046E-01	1.470E-01	1.129E-01	3.399E-01	3.536E-01	2.433E-01	2.081E-01	1.926E-01	1.858E-01	1.835E-01	1.838E-01
NNE	4.085E-01	2.917E-01	1.810E-01	1.374E-01	3.934E-01	3.990E-01	2.678E-01	2.217E-01	1.993E-01	1.874E-01	1.817E-01	1.797E-01
NE	5.800E-01	3.640E-01	2.206E-01	1.637E-01	4.640E-01	4.739E-01	3.158E-01	2.573E-01	2.285E-01	2.133E-01	2.046E-01	1.998E-01
ENE	5.015E-01	3.668E-01	2.201E-01	1.550E-01	4.086E-01	3.952E-01	2.626E-01	2.174E-01	1.951E-01	1.830E-01	1.765E-01	1.731E-01
E	1.755E-01	1.851E-01	1.262E-01	9.719E-02	2.869E-01	2.982E-01	2.005E-01	1.649E-01	1.474E-01	1.384E-01	1.338E-01	1.315E-01
ESE	7.140E-02	7.044E-02	6.211E-02	5.299E-02	1.834E-01	2.177E-01	1.521E-01	1.241E-01	1.087E-01	9.928E-02	9.327E-02	8.943E-02
SE	4.386E-02	2.137E-02	1.690E-02	1.473E-02	5.481E-02	6.905E-02	5.001E-02	4.162E-02	3.708E-02	3.440E-02	3.277E-02	3.177E-02
SSE	3.240E-02	1.848E-02	6.783E-03	4.962E-03	1.266E-02	1.135E-02	7.467E-03	6.130E-03	5.418E-03	4.973E-03	4.669E-03	4.450E-03
S	5.463E-02	3.601E-02	2.510E-02	1.948E-02	5.291E-02	4.404E-02	2.722E-02	2.323E-02	2.228E-02	2.245E-02	2.311E-02	2.405E-02
SSW	8.650E-02	6.913E-02	5.653E-02	4.714E-02	1.537E-01	1.672E-01	1.131E-01	9.374E-02	8.497E-02	8.097E-02	7.993E-02	8.046E-02
SW	1.056E-01	8.815E-02	7.302E-02	6.172E-02	2.083E-01	2.361E-01	1.634E-01	1.369E-01	1.254E-01	1.206E-01	1.191E-01	1.195E-01
WSW	1.037E-01	8.250E-02	6.582E-02	5.395E-02	1.705E-01	1.822E-01	1.299E-01	1.155E-01	1.103E-01	1.093E-01	1.103E-01	1.124E-01
W	1.069E-01	8.547E-02	6.842E-02	5.618E-02	1.780E-01	1.933E-01	1.404E-01	1.267E-01	1.226E-01	1.232E-01	1.258E-01	1.293E-01
WNW	1.470E-01	1.125E-01	9.042E-02	7.435E-02	2.352E-01	2.526E-01	1.808E-01	1.619E-01	1.564E-01	1.565E-01	1.596E-01	1.648E-01
NW	1.703E-01	1.387E-01	1.047E-01	8.536E-02	2.679E-01	2.856E-01	1.989E-01	1.727E-01	1.619E-01	1.579E-01	1.573E-01	1.587E-01
NNW	2.046E-01	1.576E-01	1.125E-01	8.919E-02	2.716E-01	2.836E-01	1.972E-01	1.705E-01	1.591E-01	1.544E-01	1.532E-01	1.538E-01

TOTAL DOSE COMMITMENT IS 2.854E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.042E-02	6.917E-03	4.968E-03	3.816E-03	1.153E-02	1.220E-02	8.629E-03	7.578E-03	7.179E-03	7.061E-03	7.087E-03	7.190E-03
NNE	1.387E-02	9.916E-03	6.138E-03	4.657E-03	1.336E-02	1.372E-02	9.410E-03	7.967E-03	7.313E-03	7.007E-03	6.905E-03	6.926E-03
NE	1.978E-02	1.240E-02	7.492E-03	5.554E-03	1.575E-02	1.624E-02	1.102E-02	9.159E-03	8.296E-03	7.882E-03	7.684E-03	7.609E-03
ENE	1.711E-02	1.252E-02	7.494E-03	5.269E-03	1.389E-02	1.356E-02	9.189E-03	7.775E-03	7.121E-03	6.804E-03	6.667E-03	6.630E-03
E	5.932E-03	6.289E-03	4.280E-03	3.294E-03	9.734E-03	1.022E-02	7.013E-03	5.894E-03	5.377E-03	5.145E-03	5.054E-03	5.036E-03
ESE	2.387E-03	2.370E-03	2.094E-03	1.788E-03	6.201E-03	7.419E-03	5.253E-03	4.351E-03	3.870E-03	3.589E-03	3.419E-03	3.321E-03
SE	1.486E-03	7.167E-04	5.664E-04	4.943E-04	1.849E-03	2.357E-03	1.737E-03	1.473E-03	1.337E-03	1.262E-03	1.221E-03	1.200E-03
SSE	1.111E-03	6.339E-04	2.319E-04	1.699E-04	4.362E-04	3.989E-04	2.683E-04	2.239E-04	2.006E-04	1.862E-04	1.767E-04	1.699E-04
S	1.862E-03	1.226E-03	8.547E-04	6.641E-04	1.816E-03	1.559E-03	1.012E-03	8.984E-04	8.858E-04	9.093E-04	9.479E-04	9.951E-04
SSW	2.912E-03	2.329E-03	1.907E-03	1.592E-03	5.217E-03	5.768E-03	4.014E-03	3.422E-03	3.182E-03	3.098E-03	3.112E-03	3.178E-03
SW	3.536E-03	2.957E-03	2.454E-03	2.077E-03	7.047E-03	8.128E-03	5.785E-03	4.985E-03	4.684E-03	4.601E-03	4.624E-03	4.706E-03
WSW	3.476E-03	2.772E-03	2.215E-03	1.818E-03	5.784E-03	6.316E-03	4.659E-03	4.272E-03	4.185E-03	4.228E-03	4.335E-03	4.474E-03
W	3.578E-03	2.866E-03	2.299E-03	1.892E-03	6.040E-03	6.729E-03	5.074E-03	4.723E-03	4.684E-03	4.801E-03	4.977E-03	5.178E-03
WNW	4.926E-03	3.774E-03	3.038E-03	2.503E-03	7.978E-03	8.791E-03	6.545E-03	6.057E-03	6.005E-03	6.134E-03	6.350E-03	6.637E-03
NW	5.712E-03	4.670E-03	3.527E-03	2.880E-03	9.092E-03	9.891E-03	7.107E-03	6.349E-03	6.097E-03	6.062E-03	6.138E-03	6.271E-03
NNW	6.892E-03	5.324E-03	3.800E-03	3.015E-03	9.223E-03	9.807E-03	7.021E-03	6.234E-03	5.954E-03	5.889E-03	5.935E-03	6.039E-03

TOTAL DOSE COMMITMENT IS 1.012E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.283E-01	8.512E-02	6.113E-02	4.694E-02	1.417E-01	1.489E-01	1.042E-01	9.066E-02	8.517E-02	8.319E-02	8.302E-02	8.385E-02
NNE	1.706E-01	1.219E-01	7.549E-02	5.728E-02	1.641E-01	1.677E-01	1.141E-01	9.579E-02	8.725E-02	8.304E-02	8.135E-02	8.119E-02
NE	2.431E-01	1.524E-01	9.213E-02	6.830E-02	1.936E-01	1.988E-01	1.340E-01	1.105E-01	9.938E-02	9.381E-02	9.092E-02	8.959E-02
ENE	2.103E-01	1.538E-01	9.213E-02	6.477E-02	1.706E-01	1.659E-01	1.116E-01	9.365E-02	8.513E-02	8.080E-02	7.871E-02	7.790E-02
E	7.301E-02	7.734E-02	5.264E-02	4.052E-02	1.196E-01	1.251E-01	8.518E-02	7.101E-02	6.429E-02	6.110E-02	5.967E-02	5.918E-02
ESE	2.942E-02	2.918E-02	2.578E-02	2.201E-02	7.627E-02	9.098E-02	6.409E-02	5.279E-02	4.669E-02	4.306E-02	4.081E-02	3.945E-02
SE	1.828E-02	8.830E-03	6.979E-03	6.088E-03	2.274E-02	2.888E-02	2.115E-02	1.781E-02	1.606E-02	1.506E-02	1.449E-02	1.417E-02
SSE	1.364E-02	7.783E-03	2.848E-03	2.084E-03	5.337E-03	4.839E-03	3.227E-03	2.676E-03	2.385E-03	2.206E-03	2.085E-03	1.998E-03
S	2.288E-02	1.507E-02	1.050E-02	8.156E-03	2.225E-02	1.887E-02	1.202E-02	1.052E-02	1.027E-02	1.048E-02	1.088E-02	1.138E-02
SSW	3.586E-02	2.867E-02	2.347E-02	1.959E-02	6.408E-02	7.039E-02	4.848E-02	4.090E-02	3.768E-02	3.641E-02	3.635E-02	3.694E-02
SW	4.358E-02	3.643E-02	3.021E-02	2.557E-02	8.658E-02	9.925E-02	6.992E-02	5.963E-02	5.552E-02	5.413E-02	5.407E-02	5.475E-02
WSW	4.283E-02	3.414E-02	2.727E-02	2.237E-02	7.101E-02	7.692E-02	5.603E-02	5.081E-02	4.934E-02	4.949E-02	5.046E-02	5.186E-02
W	4.410E-02	3.531E-02	2.831E-02	2.328E-02	7.414E-02	8.183E-02	6.086E-02	5.602E-02	5.507E-02	5.606E-02	5.781E-02	5.990E-02
WNW	6.070E-02	4.649E-02	3.741E-02	3.080E-02	9.794E-02	1.069E-01	7.845E-02	7.174E-02	7.048E-02	7.149E-02	7.361E-02	7.662E-02
NW	7.038E-02	5.750E-02	4.342E-02	3.544E-02	1.116E-01	1.205E-01	8.561E-02	7.569E-02	7.206E-02	7.115E-02	7.164E-02	7.287E-02
NNW	8.487E-02	6.552E-02	4.675E-02	3.709E-02	1.133E-01	1.196E-01	8.470E-02	7.447E-02	7.053E-02	6.929E-02	6.944E-02	7.034E-02

TOTAL DOSE COMMITMENT IS 1.223E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	7.973E-04	5.289E-04	3.809E-04	2.929E-04	8.780E-04	8.938E-04	5.920E-04	4.871E-04	4.348E-04	4.061E-04	3.901E-04	3.813E-04
NNE	1.036E-03	7.369E-04	4.624E-04	3.519E-04	1.010E-03	1.011E-03	6.596E-04	5.288E-04	4.605E-04	4.205E-04	3.968E-04	3.830E-04
NE	1.444E-03	9.114E-04	5.594E-04	4.173E-04	1.190E-03	1.205E-03	7.847E-04	6.220E-04	5.369E-04	4.874E-04	4.557E-04	4.349E-04
ENE	1.245E-03	9.105E-04	5.528E-04	3.921E-04	1.043E-03	1.003E-03	6.497E-04	5.219E-04	4.543E-04	4.142E-04	3.890E-04	3.728E-04
E	4.534E-04	4.680E-04	3.219E-04	2.488E-04	7.368E-04	7.579E-04	4.965E-04	3.964E-04	3.436E-04	3.135E-04	2.951E-04	2.833E-04
ESE	1.929E-04	1.856E-04	1.624E-04	1.383E-04	4.766E-04	5.595E-04	3.837E-04	3.065E-04	2.626E-04	2.347E-04	2.159E-04	2.029E-04
SE	1.123E-04	5.707E-05	4.524E-05	3.923E-05	1.441E-04	1.778E-04	1.255E-04	1.016E-04	8.812E-05	7.964E-05	7.402E-05	7.015E-05
SSE	7.876E-05	4.501E-05	1.683E-05	1.232E-05	3.141E-05	2.766E-05	1.773E-05	1.424E-05	1.234E-05	1.112E-05	1.027E-05	9.644E-06
S	1.366E-04	9.053E-05	6.329E-05	4.903E-05	1.321E-04	1.059E-04	6.107E-05	4.896E-05	4.474E-05	4.352E-05	4.367E-05	4.460E-05
SSW	2.274E-04	1.814E-04	1.479E-04	1.230E-04	3.981E-04	4.232E-04	2.754E-04	2.188E-04	1.905E-04	1.751E-04	1.675E-04	1.641E-04
SW	2.839E-04	2.353E-04	1.940E-04	1.633E-04	5.453E-04	6.019E-04	4.000E-04	3.214E-04	2.827E-04	2.621E-04	2.509E-04	2.453E-04
WSW	2.767E-04	2.190E-04	1.740E-04	1.421E-04	4.446E-04	4.601E-04	3.116E-04	2.642E-04	2.420E-04	2.314E-04	2.268E-04	2.257E-04
W	2.880E-04	2.284E-04	1.818E-04	1.486E-04	4.647E-04	4.853E-04	3.332E-04	2.863E-04	2.656E-04	2.578E-04	2.558E-04	2.569E-04
WNW	3.941E-04	3.009E-04	2.403E-04	1.967E-04	6.143E-04	6.342E-04	4.281E-04	3.635E-04	3.357E-04	3.241E-04	3.208E-04	3.236E-04
NW	4.548E-04	3.649E-04	2.754E-04	2.237E-04	6.956E-04	7.205E-04	4.796E-04	3.988E-04	3.596E-04	3.389E-04	3.282E-04	3.232E-04
NNW	5.364E-04	4.083E-04	2.924E-04	2.316E-04	7.009E-04	7.145E-04	4.774E-04	3.966E-04	3.568E-04	3.353E-04	3.235E-04	3.173E-04

TOTAL DOSE COMMITMENT IS 6.930E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.073E-02	7.114E-03	5.116E-03	3.929E-03	1.174E-02	1.180E-02	7.631E-03	6.118E-03	5.323E-03	4.854E-03	4.560E-03	4.371E-03
NNE	1.403E-02	9.990E-03	6.242E-03	4.743E-03	1.355E-02	1.341E-02	8.581E-03	6.735E-03	5.738E-03	5.128E-03	4.742E-03	4.492E-03
NE	1.968E-02	1.239E-02	7.572E-03	5.635E-03	1.599E-02	1.603E-02	1.027E-02	7.995E-03	6.771E-03	6.028E-03	5.533E-03	5.187E-03
ENE	1.698E-02	1.242E-02	7.508E-03	5.308E-03	1.403E-02	1.333E-02	8.485E-03	6.682E-03	5.698E-03	5.090E-03	4.689E-03	4.411E-03
E	6.102E-03	6.343E-03	4.348E-03	3.355E-03	9.896E-03	1.008E-02	6.487E-03	5.076E-03	4.310E-03	3.853E-03	3.556E-03	3.351E-03
ESE	2.558E-03	2.481E-03	2.175E-03	1.853E-03	6.382E-03	7.454E-03	5.059E-03	3.991E-03	3.373E-03	2.972E-03	2.694E-03	2.495E-03
SE	1.516E-03	7.595E-04	6.014E-04	5.221E-04	1.921E-03	2.360E-03	1.645E-03	1.311E-03	1.118E-03	9.926E-04	9.069E-04	8.454E-04
SSE	1.082E-03	6.173E-04	2.289E-04	1.671E-04	4.217E-04	3.620E-04	2.265E-04	1.786E-04	1.523E-04	1.354E-04	1.235E-04	1.146E-04
S	1.858E-03	1.228E-03	8.568E-04	6.629E-04	1.776E-03	1.383E-03	7.543E-04	5.725E-04	5.000E-04	4.696E-04	4.589E-04	4.595E-04
SSW	3.042E-03	2.427E-03	1.978E-03	1.645E-03	5.313E-03	5.578E-03	3.543E-03	2.738E-03	2.316E-03	2.071E-03	1.932E-03	1.852E-03
SW	3.770E-03	3.130E-03	2.582E-03	2.175E-03	7.252E-03	7.925E-03	5.151E-03	4.030E-03	3.449E-03	3.114E-03	2.909E-03	2.782E-03
WSW	3.682E-03	2.918E-03	2.319E-03	1.894E-03	5.908E-03	6.023E-03	3.964E-03	3.257E-03	2.896E-03	2.695E-03	2.579E-03	2.514E-03
W	3.822E-03	3.037E-03	2.419E-03	1.977E-03	6.167E-03	6.333E-03	4.210E-03	3.499E-03	3.147E-03	2.971E-03	2.878E-03	2.832E-03
WNW	5.238E-03	4.000E-03	3.198E-03	2.618E-03	8.156E-03	8.277E-03	5.399E-03	4.423E-03	3.950E-03	3.702E-03	3.573E-03	3.528E-03
NW	6.053E-03	4.878E-03	3.678E-03	2.988E-03	9.265E-03	9.460E-03	6.131E-03	4.955E-03	4.345E-03	3.991E-03	3.776E-03	3.643E-03
NNW	7.182E-03	5.486E-03	3.922E-03	3.104E-03	9.364E-03	9.413E-03	6.132E-03	4.959E-03	4.347E-03	3.986E-03	3.761E-03	3.617E-03

TOTAL DOSE COMMITMENT IS 8.950E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5. 1,2,3,4,

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 5--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.568E-01	1.421E+00	6.990E-01	1.357E-01	7.516E-02	5.087E+00
GROUND	3.877E-02	3.877E-02	3.877E-02	3.877E-02	3.877E-02	3.877E-02
CLOUD	4.389E-02	4.389E-02	4.389E-02	4.389E-02	4.389E-02	4.389E-02
VEG. ING	1.205E+00	1.427E+01	1.205E+00	3.716E+00	3.119E+00	1.205E+00
MEAT ING	4.297E-02	5.192E-01	4.297E-02	1.397E-01	1.148E-01	4.297E-02
MILK ING	3.641E-02	4.703E-01	3.641E-02	7.677E-02	8.016E-02	3.641E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.524E+00	1.676E+01	2.066E+00	4.151E+00	3.472E+00	6.454E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.205E+00	1.427E+01	1.205E+00	3.716E+00	3.119E+00	1.205E+00
MEAT ING	9.689E-01	1.171E+01	9.689E-01	3.149E+00	2.589E+00	9.689E-01
MILK ING	3.288E-02	4.247E-01	3.288E-02	6.933E-02	7.239E-02	3.288E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.207E+00	2.640E+01	2.207E+00	6.934E+00	5.781E+00	2.207E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.568E-01	1.421E+00	6.990E-01	1.357E-01	7.516E-02	5.087E+00
GROUND	3.877E-02	3.877E-02	3.877E-02	3.877E-02	3.877E-02	3.877E-02
CLOUD	4.389E-02	4.389E-02	4.389E-02	4.389E-02	4.389E-02	4.389E-02
VEG. ING	2.410E+00	2.854E+01	2.410E+00	7.432E+00	6.239E+00	2.410E+00
MEAT ING	1.012E+00	1.223E+01	1.012E+00	3.289E+00	2.704E+00	1.012E+00
MILK ING	6.930E-02	8.950E-01	6.930E-02	1.461E-01	1.526E-01	6.930E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.731E+00	4.317E+01	4.273E+00	1.109E+01	9.253E+00	8.661E+00



NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	1.270E-05	2.792E-05	2.791E-05	2.785E-05	3.295E+01	6.710E+01	6.691E+01	6.691E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.270E-05	2.792E-05	2.791E-05	2.785E-05	3.295E+01	6.710E+01	6.691E+01	6.691E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.033E-01	1.129E-01	1.129E-01	1.127E-01	2.715E+05	2.930E+05	2.921E+05	2.921E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.033E-01	1.129E-01	1.129E-01	1.127E-01	2.715E+05	2.930E+05	2.921E+05	2.921E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	3.266E-03	9.546E-03	9.545E-03	9.523E-03	8.408E+03	2.250E+04	2.244E+04	2.244E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.266E-03	9.546E-03	9.545E-03	9.523E-03	8.408E+03	2.250E+04	2.244E+04	2.244E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.571E-03	7.559E-03	7.559E-03	7.541E-03	6.618E+03	1.781E+04	1.776E+04	1.776E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.571E-03	7.559E-03	7.559E-03	7.541E-03	6.618E+03	1.781E+04	1.776E+04	1.776E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.328E-02	1.883E-02	1.883E-02	1.879E-02	3.475E+04	4.722E+04	4.708E+04	4.708E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.328E-02	1.883E-02	1.883E-02	1.879E-02	3.475E+04	4.722E+04	4.708E+04	4.708E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.272E-02	4.471E-02	4.471E-02	4.461E-02	8.571E+04	1.126E+05	1.123E+05	1.123E+05
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.272E-02	4.471E-02	4.471E-02	4.461E-02	8.571E+04	1.126E+05	1.123E+05	1.123E+05
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.653E-03	1.153E-02	1.153E-02	1.150E-02	9.379E+03	2.705E+04	2.697E+04	2.697E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.653E-03	1.153E-02	1.153E-02	1.150E-02	9.379E+03	2.705E+04	2.697E+04	2.697E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.497E-03	1.396E-02	1.396E-02	1.392E-02	2.219E+04	3.444E+04	3.434E+04	3.434E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		8.497E-03	1.396E-02	1.396E-02	1.392E-02	2.219E+04	3.444E+04	3.434E+04	3.434E+04

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	2.943E-02	3.593E-02	3.593E-02	3.585E-02	7.722E+04	9.180E+04	9.152E+04	9.152E+04
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.943E-02	3.593E-02	3.593E-02	3.585E-02	7.722E+04	9.180E+04	9.152E+04	9.152E+04
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	2	1.249E-05	2.779E-05	2.779E-05	2.773E-05	3.239E+01	6.674E+01	6.656E+01	6.656E+01
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.249E-05	2.779E-05	2.779E-05	2.773E-05	3.239E+01	6.674E+01	6.656E+01	6.656E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	1.184E-05	2.509E-05	2.509E-05	2.503E-05	3.076E+01	6.049E+01	6.032E+01	6.032E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.184E-05	2.509E-05	2.509E-05	2.503E-05	3.076E+01	6.049E+01	6.032E+01	6.032E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	2.413E-06	5.177E-06	5.177E-06	5.165E-06	6.267E+00	1.247E+01	1.243E+01	1.243E+01
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.413E-06	5.177E-06	5.177E-06	5.165E-06	6.267E+00	1.247E+01	1.243E+01	1.243E+01
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	5.922E-03	2.642E-02	2.642E-02	2.636E-02	1.498E+04	6.098E+04	6.081E+04	6.081E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		5.922E-03	2.642E-02	2.642E-02	2.636E-02	1.498E+04	6.098E+04	6.081E+04	6.081E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.155E-03	6.636E-03	6.636E-03	6.621E-03	5.538E+03	1.559E+04	1.555E+04	1.555E+04
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.155E-03	6.636E-03	6.636E-03	6.621E-03	5.538E+03	1.559E+04	1.555E+04	1.555E+04



NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS							GROUND CONCENTRATIONS, PCI/M2				
	AIRBORNE CONCENTRATIONS, PCI/M3							Po-218	Pb-214	Bi-214	Pb-210	
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.741E+00	1.742E+00	1.687E+00	1.612E+00	4.009E-05	1.085E-06	7.653E-10	1.636E-05	1.379E+00	1.379E+00	1.379E+00	3.656E+01
2	2.278E+02	2.027E+02	6.712E+01	2.008E+01	9.432E-06	5.340E-09	8.739E-14	6.240E-04	1.606E+02	1.606E+02	1.606E+02	8.394E+00
3	1.137E+02	1.012E+02	3.526E+01	1.178E+01	6.516E-06	4.317E-09	8.221E-14	3.270E-04	8.018E+01	8.018E+01	8.018E+01	5.800E+00
4	9.260E+01	7.043E+01	1.872E+01	5.543E+00	2.803E-06	1.802E-09	3.596E-14	1.881E-04	5.579E+01	5.579E+01	5.579E+01	2.535E+00
5	1.059E+02	9.686E+01	3.930E+01	1.516E+01	1.013E-05	7.985E-09	1.798E-13	3.556E-04	7.672E+01	7.672E+01	7.672E+01	9.014E+00
6	2.195E+02	1.810E+02	4.506E+01	1.023E+01	3.443E-06	1.422E-09	1.714E-14	4.531E-04	1.434E+02	1.434E+02	1.434E+02	3.064E+00
7	1.453E+02	1.271E+02	4.034E+01	1.221E+01	5.928E-06	3.474E-09	5.876E-14	3.810E-04	1.007E+02	1.007E+02	1.007E+02	5.276E+00
8	1.021E+02	9.244E+01	3.540E+01	1.301E+01	8.176E-06	6.102E-09	1.303E-13	3.232E-04	7.322E+01	7.322E+01	7.322E+01	7.276E+00
9	1.359E+02	1.237E+02	4.885E+01	1.780E+01	1.087E-05	7.877E-09	1.636E-13	4.415E-04	9.800E+01	9.800E+01	9.800E+01	9.675E+00
10	1.847E+00	1.848E+00	1.813E+00	1.757E+00	5.561E-05	1.925E-06	1.754E-09	1.765E-05	1.464E+00	1.464E+00	1.464E+00	5.075E+01
11	6.644E-01	6.648E-01	6.619E-01	6.538E-01	3.032E-05	1.512E-06	2.009E-09	6.479E-06	5.265E-01	5.265E-01	5.265E-01	2.725E+01
12	2.936E-01	2.938E-01	2.924E-01	2.884E-01	1.464E-05	8.848E-07	1.469E-09	2.861E-06	2.327E-01	2.327E-01	2.327E-01	1.331E+01
13	3.546E+02	2.474E+02	4.513E+01	8.350E+00	2.435E-06	1.029E-09	1.624E-14	5.147E-04	1.959E+02	1.959E+02	1.959E+02	2.219E+00
14	1.037E+02	9.433E+01	4.192E+01	2.019E+01	2.025E-05	2.378E-08	7.989E-13	3.850E-04	7.471E+01	7.471E+01	7.471E+01	1.815E+01



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: f:20cfr.in  
 TIME STEP NUMBER 5, 1,2,3,4.

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 02/25/94 DURATION IN YRS IS... 3.0

NUMBER 1 NAME-Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.27E-05	1.27E-05	2.79E-05	2.79E-05	1.64E-05	6.79E-05	2.89E-05	2.79E-05
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.54E-06	3.17E-06	3.49E-04	1.40E-05	4.91E-04	1.70E-05	1.45E-07	3.98E-06

SUM OF FRACTIONS EQUALS 8.81E-04

NUMBER 2 NAME-Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.13E-01	1.13E-01	6.24E-04	1.13E-01	1.13E-01	1.13E-01
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.07E-02	2.58E-02	1.41E+00	5.65E-02	1.87E-02	2.82E-02	5.63E-04	1.61E-02

SUM OF FRACTIONS EQUALS 1.58E+00



REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

PAGE 146  
04/07/95

TIME STEP NUMBER 5, Cells 1-3 closed, 4 & 5 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 1 NAME=Nearest Resident X= 28.0KM Y= 0.0KM Z= 73.9M DIST= 28.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.27E-05	1.27E-05	2.79E-05	2.79E-05	1.64E-05	6.79E-05	2.89E-05	2.79E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.12E-04	2.54E-04	9.30E-04	3.10E-05	1.49E-02	1.13E-04	7.23E-07	3.10E-05

SUM OF FRACTIONS EQUALS 1.65E-02

NUMBER 2 NAME= N Permit Area Boun X= 0.0KM Y= 0.3KM Z= 6.9M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.13E-01	1.13E-01	6.24E-04	1.13E-01	1.13E-01	1.13E-01
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.72E+00	2.06E+00	3.77E+00	1.26E-01	5.67E-01	1.88E-01	2.83E-03	1.26E-01

SUM OF FRACTIONS EQUALS 8.55E+00

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

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TIME STEP NUMBER 5, Cells 1-3 closed, 4 & 5 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 3 NAME= S Permit Area Boun X= 0.0KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.27E-03	3.27E-03	9.55E-03	9.55E-03	3.27E-04	9.53E-03	9.52E-03	9.52E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.45E-02	6.54E-02	3.18E-01	1.06E-02	2.97E-01	1.59E-02	2.38E-04	1.06E-02

SUM OF FRACTIONS EQUALS 7.73E-01

NUMBER 4 NAME= E Permit Area Boun X= 1.9KM Y= 0.0KM Z= -0.8M DIST= 1.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.57E-03	2.57E-03	7.56E-03	7.56E-03	1.88E-04	7.54E-03	7.54E-03	7.54E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.28E-02	5.14E-02	2.52E-01	8.40E-03	1.71E-01	1.26E-02	1.89E-04	8.38E-03

SUM OF FRACTIONS EQUALS 5.47E-01

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
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TIME STEP NUMBER 5, Cells 1-3 closed, 4 & 5 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 5 NAME= W Permit Area Boun X= -0.3KM Y= 0.0KM Z= -3.8M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.33E-02	1.33E-02	1.88E-02	1.88E-02	3.56E-04	1.88E-02	1.88E-02	1.88E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.22E-01	2.66E-01	6.27E-01	2.09E-02	3.24E-01	3.13E-02	4.70E-04	2.09E-02

SUM OF FRACTIONS EQUALS 1.51E+00

NUMBER 6 NAME= NE Permit Area Boun X= 0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.27E-02	3.27E-02	4.47E-02	4.47E-02	4.53E-04	4.46E-02	4.46E-02	4.46E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.45E-01	6.54E-01	1.49E+00	4.97E-02	4.12E-01	7.43E-02	1.12E-03	4.96E-02

SUM OF FRACTIONS EQUALS 3.28E+00

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
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TIME STEP NUMBER 5, Cells 1-3 closed, 4 & 5 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 7 NAME= SE Permit Area Boun X= 0.2KM Y= -0.2KM Z= -0.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.65E-03	3.65E-03	1.15E-02	1.15E-02	3.81E-04	1.15E-02	1.15E-02	1.15E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	6.08E-02	7.30E-02	3.83E-01	1.28E-02	3.46E-01	1.92E-02	2.88E-04	1.28E-02

SUM OF FRACTIONS EQUALS 9.09E-01

NUMBER 8 NAME= SW Permit Area Boun X= -0.2KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.50E-03	8.50E-03	1.40E-02	1.40E-02	3.23E-04	1.39E-02	1.39E-02	1.39E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.42E-01	1.70E-01	4.67E-01	1.56E-02	2.94E-01	2.32E-02	3.48E-04	1.54E-02

SUM OF FRACTIONS EQUALS 1.13E+00



REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
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TIME STEP NUMBER 5, Cells 1-3 closed, 4 & 5 full

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 9 NAME= NW Permit Area Boun X= -0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.94E-02	2.94E-02	3.59E-02	3.59E-02	4.42E-04	3.59E-02	3.58E-02	3.58E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.90E-01	5.88E-01	1.20E+00	3.99E-02	4.02E-01	5.98E-02	8.95E-04	3.98E-02

SUM OF FRACTIONS EQUALS 2.82E+00

NUMBER 10 NAME= Baroil X= 28.6KM Y= 21.6KM Z= 107.4M DIST= 35.8KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.25E-05	1.25E-05	2.78E-05	2.78E-05	1.76E-05	8.33E-05	2.97E-05	2.77E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.08E-04	2.50E-04	9.27E-04	3.09E-05	1.60E-02	1.39E-04	7.43E-07	3.08E-05

SUM OF FRACTIONS EQUALS 1.76E-02

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

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TIME STEP NUMBER 5, Cells 1-3 closed, 4 & 5 full

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 11 NAME= Jeffrey City X= 7.0KM Y= 49.5KM Z= -75.4M DIST= 50.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.18E-05	1.18E-05	2.51E-05	2.51E-05	6.48E-06	5.54E-05	2.65E-05	2.50E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.97E-04	2.36E-04	8.37E-04	2.79E-05	5.89E-03	9.23E-05	6.63E-07	2.78E-05

SUM OF FRACTIONS EQUALS 7.31E-03

NUMBER 12 NAME= Rawlins X= 54.6KM Y= -27.9KM Z= 37.0M DIST= 61.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.41E-06	2.41E-06	5.18E-06	5.18E-06	2.86E-06	1.98E-05	6.05E-06	5.17E-06
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.02E-05	4.82E-05	1.73E-04	5.76E-06	2.60E-03	3.30E-05	1.51E-07	5.74E-06

SUM OF FRACTIONS EQUALS 2.91E-03

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 5, Cells 1-3 closed, 4 & 5 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 13 NAME= Special Receptor #1 X= 1.4KM Y= 1.0KM Z= 0.8M DIST= 1.7KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	5.92E-03	5.92E-03	2.64E-02	2.64E-02	5.15E-04	2.64E-02	2.64E-02	2.64E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	9.87E-02	1.18E-01	8.80E-01	2.93E-02	4.68E-01	4.40E-02	6.60E-04	2.93E-02
SUM OF FRACTIONS EQUALS	1.67E+00							

NUMBER 14 NAME= Special Receptor #2 X= 2.0KM Y= 2.1KM Z= 0.8M DIST= 2.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.15E-03	2.15E-03	6.64E-03	6.64E-03	3.85E-04	6.64E-03	6.62E-03	6.62E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	3.58E-02	4.30E-02	2.21E-01	7.38E-03	3.50E-01	1.11E-02	1.66E-04	7.36E-03
SUM OF FRACTIONS EQUALS	6.76E-01							

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.310E-03	1.410E-02	1.410E-02	1.407E-02	1.741E+02	1.602E+02	6.648E+01	2.621E+01	1.805E-05	5.999E-04
2.5	2.512E-03	5.607E-03	5.606E-03	5.593E-03	8.312E+01	7.935E+01	4.334E+01	2.404E+01	2.949E-05	3.911E-04
3.5	1.329E-03	2.870E-03	2.869E-03	2.863E-03	4.916E+01	4.794E+01	3.087E+01	2.091E+01	4.052E-05	2.839E-04
4.5	8.120E-04	1.707E-03	1.706E-03	1.703E-03	3.301E+01	3.256E+01	2.318E+01	1.754E+01	4.861E-05	2.165E-04
7.5	2.903E-04	6.071E-04	6.071E-04	6.057E-04	1.592E+01	1.588E+01	1.306E+01	1.119E+01	6.368E-05	1.243E-04
15.0	7.082E-05	1.477E-04	1.477E-04	1.474E-04	5.843E+00	5.846E+00	5.418E+00	4.990E+00	6.787E-05	5.210E-05
25.0	2.585E-05	5.384E-05	5.383E-05	5.371E-05	2.814E+00	2.816E+00	2.743E+00	2.641E+00	6.383E-05	2.666E-05
35.0	1.375E-05	2.864E-05	2.864E-05	2.857E-05	1.759E+00	1.760E+00	1.744E+00	1.713E+00	6.045E-05	1.704E-05
45.0	8.570E-06	1.786E-05	1.786E-05	1.781E-05	1.234E+00	1.235E+00	1.232E+00	1.222E+00	5.736E-05	1.208E-05
55.0	5.863E-06	1.222E-05	1.222E-05	1.219E-05	9.272E-01	9.277E-01	9.290E-01	9.261E-01	5.464E-05	9.120E-06
65.0	4.267E-06	8.900E-06	8.899E-06	8.879E-06	7.285E-01	7.290E-01	7.312E-01	7.310E-01	5.225E-05	7.185E-06
75.0	3.245E-06	6.773E-06	6.772E-06	6.757E-06	5.910E-01	5.914E-01	5.938E-01	5.946E-01	5.013E-05	5.837E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.929E+04	4.050E+04	4.036E+04	4.036E+04	0.000E+00	4.049E+04	4.049E+04	4.049E+04	1.847E+01
2.5	7.682E+03	1.610E+04	1.605E+04	1.605E+04	0.000E+00	1.611E+04	1.611E+04	1.611E+04	3.023E+01
3.5	4.065E+03	8.260E+03	8.231E+03	8.231E+03	0.000E+00	8.269E+03	8.269E+03	8.269E+03	4.154E+01
4.5	2.486E+03	4.921E+03	4.904E+03	4.904E+03	0.000E+00	4.930E+03	4.930E+03	4.930E+03	4.983E+01
7.5	8.889E+02	1.751E+03	1.745E+03	1.745E+03	0.000E+00	1.758E+03	1.758E+03	1.758E+03	6.530E+01
15.0	2.168E+02	4.262E+02	4.247E+02	4.247E+02	0.000E+00	4.294E+02	4.294E+02	4.294E+02	6.974E+01
25.0	7.914E+01	1.553E+02	1.548E+02	1.548E+02	0.000E+00	1.570E+02	1.570E+02	1.570E+02	6.573E+01
35.0	4.209E+01	8.263E+01	8.235E+01	8.235E+01	0.000E+00	8.374E+01	8.374E+01	8.374E+01	6.236E+01
45.0	2.624E+01	5.152E+01	5.134E+01	5.134E+01	0.000E+00	5.232E+01	5.232E+01	5.232E+01	5.924E+01
55.0	1.795E+01	3.526E+01	3.514E+01	3.514E+01	0.000E+00	3.588E+01	3.588E+01	3.588E+01	5.648E+01
65.0	1.307E+01	2.567E+01	2.559E+01	2.559E+01	0.000E+00	2.616E+01	2.616E+01	2.616E+01	5.404E+01
75.0	9.937E+00	1.954E+01	1.947E+01	1.947E+01	0.000E+00	1.994E+01	1.994E+01	1.994E+01	5.188E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.310E-05	1.410E-04	1.410E-04	1.407E-04
2.5	2.512E-05	5.607E-05	5.606E-05	5.602E-05
3.5	1.329E-05	2.870E-05	2.869E-05	2.875E-05
4.5	8.120E-06	1.707E-05	1.706E-05	1.717E-05
7.5	2.903E-06	6.071E-06	6.071E-06	6.248E-06
15.0	7.082E-07	1.477E-06	1.477E-06	1.677E-06
25.0	2.585E-07	5.384E-07	5.383E-07	7.286E-07
35.0	1.375E-07	2.864E-07	2.864E-07	4.671E-07
45.0	8.570E-08	1.786E-07	1.786E-07	3.502E-07
55.0	5.863E-08	1.222E-07	1.222E-07	2.858E-07
65.0	4.267E-08	8.900E-08	8.899E-08	2.455E-07
75.0	3.245E-08	6.773E-08	6.772E-08	2.179E-07

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.102E-03	2.700E-02	2.700E-02	2.694E-02	3.541E+02	2.515E+02	4.436E+01	7.680E+00	2.050E-06	5.126E-04
2.5	2.939E-03	1.013E-02	1.013E-02	1.011E-02	1.540E+02	1.349E+02	5.135E+01	2.054E+01	1.519E-05	4.759E-04
3.5	1.540E-03	4.358E-03	4.358E-03	4.348E-03	7.279E+01	6.827E+01	3.493E+01	1.992E+01	2.792E-05	3.217E-04
4.5	9.563E-04	2.503E-03	2.503E-03	2.497E-03	4.604E+01	4.447E+01	2.653E+01	1.788E+01	3.864E-05	2.470E-04
7.5	3.572E-04	8.396E-04	8.396E-04	8.376E-04	1.913E+01	1.899E+01	1.397E+01	1.115E+01	5.413E-05	1.320E-04
15.0	9.328E-05	2.050E-04	2.050E-04	2.045E-04	6.365E+00	6.366E+00	5.591E+00	4.909E+00	5.807E-05	5.322E-05
25.0	3.522E-05	7.562E-05	7.562E-05	7.545E-05	2.956E+00	2.958E+00	2.809E+00	2.629E+00	5.452E-05	2.709E-05
35.0	1.883E-05	4.005E-05	4.005E-05	3.996E-05	1.815E+00	1.816E+00	1.776E+00	1.714E+00	5.159E-05	1.727E-05
45.0	1.176E-05	2.496E-05	2.496E-05	2.490E-05	1.268E+00	1.269E+00	1.257E+00	1.233E+00	4.920E-05	1.228E-05
55.0	8.051E-06	1.712E-05	1.712E-05	1.708E-05	9.555E-01	9.561E-01	9.531E-01	9.431E-01	4.725E-05	9.335E-06
65.0	5.862E-06	1.249E-05	1.248E-05	1.246E-05	7.525E-01	7.530E-01	7.532E-01	7.493E-01	4.544E-05	7.389E-06
75.0	4.460E-06	9.512E-06	9.512E-06	9.490E-06	6.117E-01	6.121E-01	6.135E-01	6.123E-01	4.377E-05	6.025E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	2.141E+04	7.557E+04	7.532E+04	7.532E+04	0.000E+00	7.552E+04	7.552E+04	7.552E+04	2.134E+00
2.5	8.888E+03	2.847E+04	2.838E+04	2.838E+04	0.000E+00	2.848E+04	2.848E+04	2.848E+04	1.560E+01
3.5	4.682E+03	1.235E+04	1.231E+04	1.231E+04	0.000E+00	1.237E+04	1.237E+04	1.237E+04	2.864E+01
4.5	2.914E+03	7.124E+03	7.100E+03	7.100E+03	0.000E+00	7.136E+03	7.136E+03	7.136E+03	3.961E+01
7.5	1.091E+03	2.404E+03	2.396E+03	2.396E+03	0.000E+00	2.411E+03	2.411E+03	2.411E+03	5.549E+01
15.0	2.853E+02	5.894E+02	5.874E+02	5.874E+02	0.000E+00	5.925E+02	5.925E+02	5.925E+02	5.966E+01
25.0	1.078E+02	2.178E+02	2.170E+02	2.170E+02	0.000E+00	2.194E+02	2.194E+02	2.194E+02	5.616E+01
35.0	5.763E+01	1.154E+02	1.150E+02	1.150E+02	0.000E+00	1.164E+02	1.164E+02	1.164E+02	5.323E+01
45.0	3.598E+01	7.192E+01	7.167E+01	7.167E+01	0.000E+00	7.268E+01	7.268E+01	7.268E+01	5.082E+01
55.0	2.464E+01	4.933E+01	4.916E+01	4.916E+01	0.000E+00	4.992E+01	4.992E+01	4.992E+01	4.885E+01
65.0	1.794E+01	3.597E+01	3.585E+01	3.585E+01	0.000E+00	3.644E+01	3.644E+01	3.644E+01	4.700E+01
75.0	1.365E+01	2.740E+01	2.731E+01	2.731E+01	0.000E+00	2.779E+01	2.779E+01	2.779E+01	4.530E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.102E-05	2.700E-04	2.700E-04	2.694E-04
2.5	2.939E-05	1.013E-04	1.013E-04	1.011E-04
3.5	1.540E-05	4.358E-05	4.358E-05	4.356E-05
4.5	9.563E-06	2.503E-05	2.503E-05	2.509E-05
7.5	3.572E-06	8.396E-06	8.396E-06	8.539E-06
15.0	9.328E-07	2.050E-06	2.050E-06	2.219E-06
25.0	3.522E-07	7.562E-07	7.562E-07	9.180E-07
35.0	1.883E-07	4.005E-07	4.005E-07	5.544E-07
45.0	1.176E-07	2.496E-07	2.496E-07	3.966E-07
55.0	8.051E-08	1.712E-07	1.712E-07	3.126E-07
65.0	5.862E-08	1.249E-07	1.248E-07	2.609E-07
75.0	4.460E-08	9.512E-08	9.512E-08	2.262E-07

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.563E-03	8.029E-03	8.028E-03	8.010E-03	8.299E+01	5.466E+01	1.013E+01	2.093E+00	7.232E-07	1.155E-04
2.5	1.731E-03	5.129E-03	5.129E-03	5.117E-03	7.261E+01	6.168E+01	2.233E+01	9.198E+00	7.337E-06	2.110E-04
3.5	9.481E-04	2.487E-03	2.487E-03	2.481E-03	3.922E+01	3.640E+01	1.781E+01	1.016E+01	1.477E-05	1.657E-04
4.5	5.970E-04	1.484E-03	1.484E-03	1.480E-03	2.600E+01	2.502E+01	1.443E+01	9.662E+00	2.142E-05	1.350E-04
7.5	2.254E-04	5.188E-04	5.187E-04	5.175E-04	1.158E+01	1.150E+01	8.378E+00	6.648E+00	3.271E-05	7.912E-05
15.0	5.878E-05	1.287E-04	1.287E-04	1.284E-04	4.081E+00	4.082E+00	3.607E+00	3.176E+00	3.810E-05	3.434E-05
25.0	2.211E-05	4.751E-05	4.751E-05	4.740E-05	1.944E+00	1.945E+00	1.859E+00	1.749E+00	3.711E-05	1.795E-05
35.0	1.182E-05	2.517E-05	2.517E-05	2.511E-05	1.206E+00	1.207E+00	1.186E+00	1.150E+00	3.561E-05	1.154E-05
45.0	7.377E-06	1.563E-05	1.563E-05	1.560E-05	8.434E-01	8.439E-01	8.385E-01	8.256E-01	3.404E-05	8.200E-06
55.0	5.051E-06	1.071E-05	1.071E-05	1.068E-05	6.349E-01	6.353E-01	6.346E-01	6.299E-01	3.268E-05	6.222E-06
65.0	3.678E-06	7.814E-06	7.814E-06	7.796E-06	5.006E-01	5.009E-01	5.017E-01	5.003E-01	3.146E-05	4.926E-06
75.0	2.799E-06	5.956E-06	5.955E-06	5.942E-06	4.071E-01	4.074E-01	4.087E-01	4.086E-01	3.033E-05	4.016E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.089E+04	2.305E+04	2.297E+04	2.297E+04	0.000E+00	2.301E+04	2.301E+04	2.301E+04	7.633E-01
2.5	5.259E+03	1.451E+04	1.446E+04	1.446E+04	0.000E+00	1.451E+04	1.451E+04	1.451E+04	7.544E+00
3.5	2.889E+03	7.077E+03	7.053E+03	7.053E+03	0.000E+00	7.082E+03	7.082E+03	7.082E+03	1.515E+01
4.5	1.821E+03	4.235E+03	4.221E+03	4.221E+03	0.000E+00	4.240E+03	4.240E+03	4.240E+03	2.196E+01
7.5	6.888E+02	1.487E+03	1.482E+03	1.482E+03	0.000E+00	1.491E+03	1.491E+03	1.491E+03	3.353E+01
15.0	1.798E+02	3.700E+02	3.688E+02	3.688E+02	0.000E+00	3.720E+02	3.720E+02	3.720E+02	3.913E+01
25.0	6.765E+01	1.368E+02	1.363E+02	1.363E+02	0.000E+00	1.379E+02	1.379E+02	1.379E+02	3.821E+01
35.0	3.617E+01	7.251E+01	7.226E+01	7.226E+01	0.000E+00	7.322E+01	7.322E+01	7.322E+01	3.673E+01
45.0	2.258E+01	4.506E+01	4.490E+01	4.490E+01	0.000E+00	4.557E+01	4.557E+01	4.557E+01	3.515E+01
55.0	1.546E+01	3.086E+01	3.076E+01	3.076E+01	0.000E+00	3.126E+01	3.126E+01	3.126E+01	3.377E+01
65.0	1.126E+01	2.252E+01	2.244E+01	2.244E+01	0.000E+00	2.284E+01	2.284E+01	2.284E+01	3.253E+01
75.0	8.567E+00	1.716E+01	1.710E+01	1.710E+01	0.000E+00	1.742E+01	1.742E+01	1.742E+01	3.137E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.563E-05	8.029E-05	8.028E-05	8.010E-05
2.5	1.731E-05	5.129E-05	5.129E-05	5.119E-05
3.5	9.481E-06	2.487E-05	2.487E-05	2.485E-05
4.5	5.970E-06	1.484E-05	1.484E-05	1.487E-05
7.5	2.254E-06	5.188E-06	5.187E-06	5.274E-06
15.0	5.878E-07	1.287E-06	1.287E-06	1.398E-06
25.0	2.211E-07	4.751E-07	4.751E-07	5.853E-07
35.0	1.182E-07	2.517E-07	2.517E-07	3.579E-07
45.0	7.377E-08	1.563E-07	1.563E-07	2.581E-07
55.0	5.051E-08	1.071E-07	1.071E-07	2.049E-07
65.0	3.678E-08	7.814E-08	7.814E-08	1.723E-07
75.0	2.799E-08	5.956E-08	5.955E-08	1.504E-07

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.218E-04	2.535E-03	2.535E-03	2.529E-03	4.556E+01	4.368E+01	2.280E+01	1.230E+01	1.491E-05	2.065E-04
2.5	3.135E-04	9.970E-04	9.969E-04	9.946E-04	2.079E+01	2.040E+01	1.304E+01	8.692E+00	1.669E-05	1.196E-04
3.5	1.650E-04	4.940E-04	4.939E-04	4.928E-04	1.188E+01	1.177E+01	8.508E+00	6.403E+00	1.761E-05	7.915E-05
4.5	9.908E-05	2.964E-04	2.964E-04	2.957E-04	8.217E+00	8.178E+00	6.364E+00	5.133E+00	1.874E-05	5.984E-05
7.5	3.179E-05	9.393E-05	9.392E-05	9.371E-05	3.677E+00	3.675E+00	3.212E+00	2.843E+00	1.913E-05	3.067E-05
15.0	6.043E-06	1.700E-05	1.700E-05	1.696E-05	1.176E+00	1.177E+00	1.130E+00	1.074E+00	1.649E-05	1.095E-05
25.0	1.836E-06	4.716E-06	4.716E-06	4.705E-06	5.117E-01	5.120E-01	5.074E-01	4.991E-01	1.391E-05	4.961E-06
35.0	8.785E-07	2.087E-06	2.087E-06	2.082E-06	3.000E-01	3.002E-01	3.001E-01	2.987E-01	1.238E-05	2.945E-06
45.0	5.083E-07	1.139E-06	1.139E-06	1.136E-06	2.020E-01	2.021E-01	2.027E-01	2.026E-01	1.131E-05	1.991E-06
55.0	3.280E-07	7.036E-07	7.035E-07	7.019E-07	1.473E-01	1.474E-01	1.480E-01	1.482E-01	1.049E-05	1.455E-06
65.0	2.274E-07	4.716E-07	4.716E-07	4.705E-07	1.131E-01	1.132E-01	1.137E-01	1.140E-01	9.837E-06	1.118E-06
75.0	1.661E-07	3.365E-07	3.365E-07	3.358E-07	9.031E-02	9.037E-02	9.081E-02	9.110E-02	9.317E-06	8.933E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	2.182E+03	7.117E+03	7.093E+03	7.093E+03	0.000E+00	7.128E+03	7.128E+03	7.128E+03	1.521E+01
2.5	9.505E+02	2.811E+03	2.802E+03	2.802E+03	0.000E+00	2.818E+03	2.818E+03	2.818E+03	1.704E+01
3.5	5.011E+02	1.397E+03	1.392E+03	1.392E+03	0.000E+00	1.401E+03	1.401E+03	1.401E+03	1.799E+01
4.5	3.009E+02	8.379E+02	8.351E+02	8.351E+02	0.000E+00	8.416E+02	8.416E+02	8.416E+02	1.915E+01
7.5	9.657E+01	2.657E+02	2.648E+02	2.648E+02	0.000E+00	2.677E+02	2.677E+02	2.677E+02	1.957E+01
15.0	1.838E+01	4.822E+01	4.806E+01	4.806E+01	0.000E+00	4.899E+01	4.899E+01	4.899E+01	1.691E+01
25.0	5.598E+00	1.344E+01	1.339E+01	1.339E+01	0.000E+00	1.380E+01	1.380E+01	1.380E+01	1.430E+01
35.0	2.683E+00	5.972E+00	5.952E+00	5.952E+00	0.000E+00	6.189E+00	6.189E+00	6.189E+00	1.276E+01
45.0	1.554E+00	3.271E+00	3.260E+00	3.260E+00	0.000E+00	3.420E+00	3.420E+00	3.420E+00	1.166E+01
55.0	1.004E+00	2.026E+00	2.019E+00	2.019E+00	0.000E+00	2.136E+00	2.136E+00	2.136E+00	1.083E+01
65.0	6.964E-01	1.361E+00	1.357E+00	1.357E+00	0.000E+00	1.446E+00	1.446E+00	1.446E+00	1.017E+01
75.0	5.089E-01	9.728E-01	9.695E-01	9.695E-01	0.000E+00	1.041E+00	1.041E+00	1.041E+00	9.637E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.218E-06	2.535E-05	2.535E-05	2.533E-05
2.5	3.135E-06	9.970E-06	9.969E-06	9.997E-06
3.5	1.650E-06	4.940E-06	4.939E-06	4.981E-06
4.5	9.908E-07	2.964E-06	2.964E-06	3.013E-06
7.5	3.179E-07	9.393E-07	9.392E-07	9.945E-07
15.0	6.043E-08	1.700E-07	1.700E-07	2.191E-07
25.0	1.836E-08	4.716E-08	4.716E-08	8.879E-08
35.0	8.785E-09	2.087E-08	2.087E-08	5.797E-08
45.0	5.083E-09	1.139E-08	1.139E-08	4.528E-08
55.0	3.280E-09	7.036E-09	7.035E-09	3.849E-08
65.0	2.274E-09	4.716E-09	4.716E-09	3.422E-08
75.0	1.661E-09	3.365E-09	3.365E-09	3.131E-08

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.184E-03	4.786E-03	4.786E-03	4.775E-03	4.964E+01	4.793E+01	2.905E+01	1.770E+01	2.581E-05	2.627E-04
2.5	1.441E-03	2.298E-03	2.298E-03	2.293E-03	3.185E+01	3.137E+01	2.217E+01	1.609E+01	3.624E-05	2.047E-04
3.5	7.925E-04	1.313E-03	1.313E-03	1.310E-03	2.251E+01	2.235E+01	1.725E+01	1.379E+01	4.360E-05	1.619E-04
4.5	4.909E-04	8.357E-04	8.356E-04	8.337E-04	1.699E+01	1.693E+01	1.382E+01	1.166E+01	4.855E-05	1.310E-04
7.5	1.736E-04	3.113E-04	3.113E-04	3.106E-04	9.178E+00	9.176E+00	8.161E+00	7.363E+00	5.510E-05	7.829E-05
15.0	4.014E-05	7.681E-05	7.680E-05	7.663E-05	3.760E+00	3.762E+00	3.607E+00	3.425E+00	5.539E-05	3.494E-05
25.0	1.412E-05	2.802E-05	2.802E-05	2.795E-05	1.909E+00	1.910E+00	1.888E+00	1.849E+00	5.183E-05	1.844E-05
35.0	7.464E-06	1.499E-05	1.498E-05	1.495E-05	1.220E+00	1.221E+00	1.218E+00	1.209E+00	4.900E-05	1.194E-05
45.0	4.634E-06	9.363E-06	9.363E-06	9.341E-06	8.667E-01	8.673E-01	8.689E-01	8.671E-01	4.647E-05	8.533E-06
55.0	3.158E-06	6.438E-06	6.437E-06	6.422E-06	6.610E-01	6.614E-01	6.638E-01	6.642E-01	4.456E-05	6.524E-06
65.0	2.287E-06	4.695E-06	4.695E-06	4.684E-06	5.251E-01	5.255E-01	5.278E-01	5.289E-01	4.285E-05	5.190E-06
75.0	1.729E-06	3.569E-06	3.569E-06	3.561E-06	4.293E-01	4.295E-01	4.316E-01	4.328E-01	4.127E-05	4.245E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	9.801E+03	1.416E+04	1.411E+04	1.411E+04	0.000E+00	1.415E+04	1.415E+04	1.415E+04	2.638E+01
2.5	4.431E+03	6.765E+03	6.741E+03	6.741E+03	0.000E+00	6.766E+03	6.766E+03	6.766E+03	3.708E+01
3.5	2.436E+03	3.853E+03	3.840E+03	3.840E+03	0.000E+00	3.857E+03	3.857E+03	3.857E+03	4.464E+01
4.5	1.508E+03	2.447E+03	2.438E+03	2.438E+03	0.000E+00	2.452E+03	2.452E+03	2.452E+03	4.972E+01
7.5	5.330E+02	9.079E+02	9.047E+02	9.047E+02	0.000E+00	9.120E+02	9.120E+02	9.120E+02	5.648E+01
15.0	1.231E+02	2.229E+02	2.221E+02	2.221E+02	0.000E+00	2.251E+02	2.251E+02	2.251E+02	5.690E+01
25.0	4.329E+01	8.111E+01	8.083E+01	8.083E+01	0.000E+00	8.234E+01	8.234E+01	8.234E+01	5.336E+01
35.0	2.287E+01	4.334E+01	4.319E+01	4.319E+01	0.000E+00	4.416E+01	4.416E+01	4.416E+01	5.053E+01
45.0	1.420E+01	2.707E+01	2.698E+01	2.698E+01	0.000E+00	2.766E+01	2.766E+01	2.766E+01	4.799E+01
55.0	9.673E+00	1.860E+01	1.854E+01	1.854E+01	0.000E+00	1.906E+01	1.906E+01	1.906E+01	4.605E+01
65.0	7.005E+00	1.356E+01	1.351E+01	1.351E+01	0.000E+00	1.393E+01	1.393E+01	1.393E+01	4.431E+01
75.0	5.296E+00	1.030E+01	1.027E+01	1.027E+01	0.000E+00	1.061E+01	1.061E+01	1.061E+01	4.270E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.184E-05	4.786E-05	4.786E-05	4.783E-05
2.5	1.441E-05	2.298E-05	2.298E-05	2.304E-05
3.5	7.925E-06	1.313E-05	1.313E-05	1.323E-05
4.5	4.909E-06	8.357E-06	8.356E-06	8.483E-06
7.5	1.736E-06	3.113E-06	3.113E-06	3.271E-06
15.0	4.014E-07	7.681E-07	7.680E-07	9.324E-07
25.0	1.412E-07	2.802E-07	2.802E-07	4.350E-07
35.0	7.464E-08	1.499E-07	1.498E-07	2.965E-07
45.0	4.634E-08	9.363E-08	9.363E-08	2.328E-07
55.0	3.158E-08	6.438E-08	6.437E-08	1.979E-07
65.0	2.287E-08	4.695E-08	4.695E-08	1.754E-07
75.0	1.729E-08	3.569E-08	3.569E-08	1.594E-07



TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.020E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.674E-02	9.393E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.789E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.200E-01	5.028E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.890E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.776E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.799E-04	1.022E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.165E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.146E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.573E-01 PERSON-REM/YR

TIME STEP NUMBER 6. XS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.149E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.528E-01	8.543E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.291E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.088E+00	4.549E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.563E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.055E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.394E-03	9.084E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.920E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.711E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.425E+00 PERSON-REM/YR



TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.226E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.794E-02	4.257E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.676E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.357E-01	2.191E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.734E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.307E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.639E-03	4.174E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.413E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.699E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.994E-01 PERSON-REM/YR

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.879E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.445E-01	3.329E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.997E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.744E+00	1.625E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.637E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.387E-02	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.975E-02	5.716E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.233E-01	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.015E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 5.226E+00 PERSON-REM/YR



TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.813E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.148E-03	2.818E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.775E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.537E-02	1.451E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.166E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.640E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.077E-04	2.762E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.615E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.132E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.623E-02 PERSON-REM/YR

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.271E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.525E-03	2.842E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.669E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.237E-02	1.417E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.379E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.613E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.723E-04	5.019E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.087E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.766E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.509E-02 PERSON-REM/YR



TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.574E-02	1.708E-02	1.227E-02	9.425E-03	2.844E-02	2.984E-02	2.083E-02	1.806E-02	1.692E-02	1.649E-02	1.643E-02	1.656E-02
NNE	3.415E-02	2.440E-02	1.513E-02	1.148E-02	3.292E-02	3.360E-02	2.281E-02	1.911E-02	1.736E-02	1.649E-02	1.612E-02	1.607E-02
NE	4.856E-02	3.046E-02	1.844E-02	1.368E-02	3.881E-02	3.984E-02	2.680E-02	2.206E-02	1.980E-02	1.865E-02	1.804E-02	1.775E-02
ENE	4.199E-02	3.071E-02	1.842E-02	1.296E-02	3.419E-02	3.325E-02	2.232E-02	1.869E-02	1.695E-02	1.605E-02	1.561E-02	1.543E-02
E	1.465E-02	1.548E-02	1.055E-02	8.121E-03	2.399E-02	2.507E-02	1.704E-02	1.417E-02	1.280E-02	1.214E-02	1.183E-02	1.172E-02
ESE	5.939E-03	5.870E-03	5.180E-03	4.421E-03	1.532E-02	1.825E-02	1.284E-02	1.056E-02	9.320E-03	8.581E-03	8.120E-03	7.838E-03
SE	3.664E-03	1.779E-03	1.407E-03	1.227E-03	4.574E-03	5.796E-03	4.235E-03	3.559E-03	3.201E-03	2.996E-03	2.877E-03	2.809E-03
SSE	2.717E-03	1.551E-03	5.686E-04	4.163E-04	1.066E-03	9.664E-04	6.436E-04	5.329E-04	4.743E-04	4.380E-04	4.134E-04	3.959E-04
S	4.573E-03	3.013E-03	2.101E-03	1.631E-03	4.448E-03	3.763E-03	2.388E-03	2.082E-03	2.027E-03	2.063E-03	2.138E-03	2.235E-03
SSW	7.211E-03	5.765E-03	4.717E-03	3.936E-03	1.287E-02	1.411E-02	9.686E-03	8.146E-03	7.484E-03	7.212E-03	7.187E-03	7.290E-03
SW	8.790E-03	7.341E-03	6.084E-03	5.147E-03	1.741E-02	1.991E-02	1.398E-02	1.188E-02	1.103E-02	1.073E-02	1.069E-02	1.081E-02
WSW	8.630E-03	6.874E-03	5.488E-03	4.501E-03	1.427E-02	1.542E-02	1.118E-02	1.011E-02	9.784E-03	9.792E-03	9.966E-03	1.023E-02
W	8.896E-03	7.117E-03	5.702E-03	4.686E-03	1.490E-02	1.639E-02	1.214E-02	1.113E-02	1.091E-02	1.108E-02	1.141E-02	1.180E-02
WNW	1.224E-02	9.371E-03	7.535E-03	6.201E-03	1.969E-02	2.142E-02	1.565E-02	1.425E-02	1.396E-02	1.413E-02	1.452E-02	1.509E-02
NW	1.418E-02	1.156E-02	8.733E-03	7.124E-03	2.242E-02	2.415E-02	1.709E-02	1.506E-02	1.430E-02	1.409E-02	1.416E-02	1.438E-02
NNW	1.706E-02	1.315E-02	9.389E-03	7.448E-03	2.273E-02	2.396E-02	1.692E-02	1.483E-02	1.401E-02	1.373E-02	1.373E-02	1.389E-02

TOTAL DOSE COMMITMENT IS 2.442E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.111E-01	2.064E-01	1.483E-01	1.139E-01	3.431E-01	3.575E-01	2.467E-01	2.115E-01	1.962E-01	1.896E-01	1.876E-01	1.881E-01
NNE	4.121E-01	2.943E-01	1.826E-01	1.386E-01	3.971E-01	4.032E-01	2.712E-01	2.250E-01	2.027E-01	1.909E-01	1.854E-01	1.836E-01
NE	5.853E-01	3.673E-01	2.226E-01	1.652E-01	4.683E-01	4.788E-01	3.196E-01	2.609E-01	2.322E-01	2.170E-01	2.086E-01	2.040E-01
ENE	5.060E-01	3.701E-01	2.221E-01	1.564E-01	4.124E-01	3.993E-01	2.658E-01	2.205E-01	1.983E-01	1.864E-01	1.800E-01	1.768E-01
E	1.771E-01	1.867E-01	1.273E-01	9.806E-02	2.895E-01	3.013E-01	2.030E-01	1.673E-01	1.498E-01	1.410E-01	1.365E-01	1.343E-01
ESE	7.203E-02	7.106E-02	6.266E-02	5.346E-02	1.851E-01	2.198E-01	1.537E-01	1.256E-01	1.102E-01	1.008E-01	9.483E-02	9.104E-02
SE	4.425E-02	2.156E-02	1.705E-02	1.486E-02	5.530E-02	6.975E-02	5.060E-02	4.218E-02	3.765E-02	3.499E-02	3.338E-02	3.240E-02
SSE	3.269E-02	1.865E-02	6.846E-03	5.009E-03	1.280E-02	1.149E-02	7.581E-03	6.233E-03	5.516E-03	5.068E-03	4.763E-03	4.544E-03
S	5.513E-02	3.633E-02	2.533E-02	1.966E-02	5.345E-02	4.463E-02	2.772E-02	2.375E-02	2.285E-02	2.307E-02	2.378E-02	2.476E-02
SSW	8.726E-02	6.974E-02	5.704E-02	4.757E-02	1.552E-01	1.690E-01	1.147E-01	9.530E-02	8.660E-02	8.269E-02	8.177E-02	8.243E-02
SW	1.066E-01	8.893E-02	7.366E-02	6.228E-02	2.102E-01	2.387E-01	1.656E-01	1.392E-01	1.278E-01	1.231E-01	1.218E-01	1.224E-01
WSW	1.046E-01	8.323E-02	6.641E-02	5.444E-02	1.722E-01	1.843E-01	1.318E-01	1.176E-01	1.126E-01	1.117E-01	1.129E-01	1.152E-01
W	1.079E-01	8.622E-02	6.903E-02	5.669E-02	1.798E-01	1.956E-01	1.426E-01	1.291E-01	1.252E-01	1.261E-01	1.289E-01	1.327E-01
WNW	1.483E-01	1.135E-01	9.122E-02	7.502E-02	2.375E-01	2.556E-01	1.837E-01	1.650E-01	1.598E-01	1.603E-01	1.636E-01	1.692E-01
NW	1.718E-01	1.399E-01	1.056E-01	8.613E-02	2.705E-01	2.889E-01	2.018E-01	1.757E-01	1.651E-01	1.613E-01	1.610E-01	1.626E-01
NNW	2.064E-01	1.590E-01	1.135E-01	9.000E-02	2.742E-01	2.868E-01	2.000E-01	1.734E-01	1.622E-01	1.576E-01	1.566E-01	1.575E-01

TOTAL DOSE COMMITMENT IS 2.892E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.057E-02	7.012E-03	5.036E-03	3.868E-03	1.170E-02	1.240E-02	8.803E-03	7.755E-03	7.366E-03	7.261E-03	7.300E-03	7.417E-03
NNE	1.406E-02	1.005E-02	6.222E-03	4.722E-03	1.355E-02	1.394E-02	9.588E-03	8.141E-03	7.491E-03	7.192E-03	7.100E-03	7.132E-03
NE	2.005E-02	1.257E-02	7.595E-03	5.631E-03	1.598E-02	1.649E-02	1.122E-02	9.347E-03	8.486E-03	8.080E-03	7.890E-03	7.825E-03
ENE	1.735E-02	1.269E-02	7.598E-03	5.341E-03	1.408E-02	1.377E-02	9.358E-03	7.939E-03	7.289E-03	6.979E-03	6.850E-03	6.823E-03
E	6.013E-03	6.375E-03	4.339E-03	3.340E-03	9.871E-03	1.038E-02	7.142E-03	6.018E-03	5.504E-03	5.277E-03	5.193E-03	5.183E-03
ESE	2.419E-03	2.402E-03	2.122E-03	1.812E-03	6.287E-03	7.530E-03	5.341E-03	4.432E-03	3.950E-03	3.670E-03	3.501E-03	3.405E-03
SE	1.506E-03	7.263E-04	5.741E-04	5.010E-04	1.874E-03	2.393E-03	1.768E-03	1.503E-03	1.367E-03	1.292E-03	1.252E-03	1.232E-03
SSE	1.127E-03	6.428E-04	2.352E-04	1.723E-04	4.430E-04	4.065E-04	2.743E-04	2.293E-04	2.057E-04	1.912E-04	1.816E-04	1.748E-04
S	1.887E-03	1.243E-03	8.666E-04	6.735E-04	1.844E-03	1.589E-03	1.038E-03	9.261E-04	9.157E-04	9.418E-04	9.830E-04	1.033E-03
SSW	2.951E-03	2.361E-03	1.933E-03	1.614E-03	5.293E-03	5.864E-03	4.096E-03	3.504E-03	3.268E-03	3.188E-03	3.209E-03	3.282E-03
SW	3.584E-03	2.997E-03	2.487E-03	2.106E-03	7.148E-03	8.262E-03	5.901E-03	5.102E-03	4.807E-03	4.733E-03	4.766E-03	4.857E-03
WSW	3.523E-03	2.809E-03	2.245E-03	1.844E-03	5.868E-03	6.427E-03	4.761E-03	4.381E-03	4.304E-03	4.357E-03	4.475E-03	4.624E-03
W	3.626E-03	2.905E-03	2.331E-03	1.918E-03	6.129E-03	6.850E-03	5.189E-03	4.848E-03	4.821E-03	4.951E-03	5.141E-03	5.355E-03
WNW	4.992E-03	3.825E-03	3.080E-03	2.538E-03	8.096E-03	8.949E-03	6.695E-03	6.219E-03	6.184E-03	6.331E-03	6.563E-03	6.868E-03
NW	5.789E-03	4.733E-03	3.576E-03	2.920E-03	9.224E-03	1.006E-02	7.258E-03	6.505E-03	6.264E-03	6.242E-03	6.330E-03	6.476E-03
NNW	6.986E-03	5.397E-03	3.852E-03	3.057E-03	9.357E-03	9.973E-03	7.166E-03	6.383E-03	6.112E-03	6.059E-03	6.116E-03	6.232E-03

TOTAL DOSE COMMITMENT IS 1.032E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.300E-01	8.626E-02	6.195E-02	4.758E-02	1.437E-01	1.513E-01	1.063E-01	9.272E-02	8.733E-02	8.549E-02	8.547E-02	8.644E-02
NNE	1.729E-01	1.236E-01	7.651E-02	5.805E-02	1.664E-01	1.703E-01	1.162E-01	9.781E-02	8.931E-02	8.517E-02	8.359E-02	8.356E-02
NE	2.464E-01	1.545E-01	9.338E-02	6.923E-02	1.963E-01	2.018E-01	1.363E-01	1.127E-01	1.016E-01	9.608E-02	9.330E-02	9.207E-02
ENE	2.132E-01	1.559E-01	9.338E-02	6.565E-02	1.730E-01	1.685E-01	1.136E-01	9.556E-02	8.707E-02	8.282E-02	8.083E-02	8.012E-02
E	7.398E-02	7.838E-02	5.335E-02	4.107E-02	1.213E-01	1.270E-01	8.669E-02	7.246E-02	6.576E-02	6.263E-02	6.127E-02	6.086E-02
ESE	2.981E-02	2.957E-02	2.612E-02	2.230E-02	7.731E-02	9.231E-02	6.513E-02	5.374E-02	4.762E-02	4.399E-02	4.176E-02	4.043E-02
SE	1.853E-02	8.947E-03	7.071E-03	6.169E-03	2.305E-02	2.931E-02	2.151E-02	1.816E-02	1.640E-02	1.541E-02	1.485E-02	1.454E-02
SSE	1.383E-02	7.890E-03	2.887E-03	2.114E-03	5.418E-03	4.928E-03	3.296E-03	2.739E-03	2.445E-03	2.263E-03	2.141E-03	2.055E-03
S	2.319E-02	1.527E-02	1.065E-02	8.269E-03	2.258E-02	1.922E-02	1.233E-02	1.084E-02	1.061E-02	1.085E-02	1.127E-02	1.181E-02
SSW	3.633E-02	2.905E-02	2.379E-02	1.986E-02	6.498E-02	7.153E-02	4.943E-02	4.185E-02	3.867E-02	3.744E-02	3.746E-02	3.812E-02
SW	4.415E-02	3.691E-02	3.062E-02	2.591E-02	8.780E-02	1.008E-01	7.128E-02	6.099E-02	5.695E-02	5.565E-02	5.570E-02	5.649E-02
WSW	4.339E-02	3.459E-02	2.763E-02	2.268E-02	7.202E-02	7.823E-02	5.722E-02	5.207E-02	5.070E-02	5.097E-02	5.206E-02	5.357E-02
W	4.468E-02	3.578E-02	2.869E-02	2.360E-02	7.521E-02	8.326E-02	6.220E-02	5.746E-02	5.664E-02	5.778E-02	5.968E-02	6.191E-02
WNW	6.150E-02	4.711E-02	3.791E-02	3.122E-02	9.935E-02	1.088E-01	8.020E-02	7.361E-02	7.253E-02	7.373E-02	7.604E-02	7.926E-02
NW	7.131E-02	5.826E-02	4.400E-02	3.592E-02	1.132E-01	1.226E-01	8.737E-02	7.750E-02	7.398E-02	7.321E-02	7.384E-02	7.521E-02
NNW	8.599E-02	6.639E-02	4.738E-02	3.760E-02	1.149E-01	1.216E-01	8.640E-02	7.620E-02	7.236E-02	7.124E-02	7.152E-02	7.254E-02

TOTAL DOSE COMMITMENT IS 1.246E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	8.060E-04	5.347E-04	3.850E-04	2.961E-04	8.879E-04	9.051E-04	6.009E-04	4.956E-04	4.435E-04	4.151E-04	3.995E-04	3.912E-04
NNE	1.047E-03	7.452E-04	4.676E-04	3.559E-04	1.021E-03	1.024E-03	6.690E-04	5.374E-04	4.689E-04	4.290E-04	4.056E-04	3.922E-04
NE	1.461E-03	9.218E-04	5.657E-04	4.220E-04	1.203E-03	1.220E-03	7.954E-04	6.315E-04	5.462E-04	4.966E-04	4.652E-04	4.445E-04
ENE	1.259E-03	9.211E-04	5.591E-04	3.965E-04	1.055E-03	1.015E-03	6.587E-04	5.301E-04	4.624E-04	4.223E-04	3.974E-04	3.814E-04
E	4.584E-04	4.733E-04	3.255E-04	2.516E-04	7.451E-04	7.671E-04	5.034E-04	4.026E-04	3.497E-04	3.197E-04	3.014E-04	2.898E-04
ESE	1.949E-04	1.876E-04	1.641E-04	1.398E-04	4.818E-04	5.660E-04	3.885E-04	3.108E-04	2.667E-04	2.387E-04	2.198E-04	2.068E-04
SE	1.135E-04	5.767E-05	4.571E-05	3.964E-05	1.456E-04	1.799E-04	1.271E-04	1.031E-04	8.957E-05	8.108E-05	7.548E-05	7.165E-05
SSE	7.969E-05	4.555E-05	1.703E-05	1.247E-05	3.180E-05	2.805E-05	1.803E-05	1.449E-05	1.258E-05	1.135E-05	1.050E-05	9.863E-06
S	1.382E-04	9.156E-05	6.402E-05	4.959E-05	1.338E-04	1.075E-04	6.230E-05	5.017E-05	4.602E-05	4.488E-05	4.512E-05	4.615E-05
SSW	2.299E-04	1.834E-04	1.495E-04	1.243E-04	4.026E-04	4.286E-04	2.795E-04	2.227E-04	1.944E-04	1.791E-04	1.717E-04	1.686E-04
SW	2.869E-04	2.378E-04	1.960E-04	1.650E-04	5.513E-04	6.094E-04	4.059E-04	3.270E-04	2.884E-04	2.680E-04	2.572E-04	2.518E-04
WSW	2.796E-04	2.213E-04	1.758E-04	1.437E-04	4.496E-04	4.661E-04	3.167E-04	2.692E-04	2.474E-04	2.370E-04	2.328E-04	2.321E-04
W	2.910E-04	2.308E-04	1.838E-04	1.502E-04	4.699E-04	4.918E-04	3.388E-04	2.920E-04	2.717E-04	2.643E-04	2.628E-04	2.644E-04
WNW	3.982E-04	3.040E-04	2.429E-04	1.988E-04	6.213E-04	6.428E-04	4.354E-04	3.710E-04	3.437E-04	3.325E-04	3.299E-04	3.333E-04
NW	4.595E-04	3.688E-04	2.783E-04	2.261E-04	7.035E-04	7.298E-04	4.871E-04	4.062E-04	3.672E-04	3.459E-04	3.366E-04	3.319E-04
NNW	5.421E-04	4.128E-04	2.956E-04	2.341E-04	7.088E-04	7.237E-04	4.847E-04	4.037E-04	3.641E-04	3.428E-04	3.314E-04	3.256E-04

TOTAL DOSE COMMITMENT IS 7.033E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
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 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
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TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.084E-02	7.189E-03	5.170E-03	3.971E-03	1.187E-02	1.194E-02	7.734E-03	6.213E-03	5.417E-03	4.948E-03	4.657E-03	4.471E-03
NNE	1.418E-02	1.010E-02	6.309E-03	4.794E-03	1.369E-02	1.356E-02	8.692E-03	6.833E-03	5.831E-03	5.220E-03	4.834E-03	4.586E-03
NE	1.989E-02	1.253E-02	7.654E-03	5.695E-03	1.616E-02	1.621E-02	1.040E-02	8.106E-03	6.874E-03	6.129E-03	5.634E-03	5.288E-03
ENE	1.716E-02	1.255E-02	7.589E-03	5.365E-03	1.418E-02	1.348E-02	8.592E-03	6.777E-03	5.788E-03	5.178E-03	4.777E-03	4.501E-03
E	6.166E-03	6.411E-03	4.395E-03	3.391E-03	1.000E-02	1.019E-02	6.569E-03	5.148E-03	4.378E-03	3.920E-03	3.623E-03	3.419E-03
ESE	2.584E-03	2.507E-03	2.198E-03	1.872E-03	6.450E-03	7.536E-03	5.119E-03	4.042E-03	3.419E-03	3.016E-03	2.737E-03	2.538E-03
SE	1.532E-03	7.672E-04	6.075E-04	5.274E-04	1.941E-03	2.386E-03	1.665E-03	1.329E-03	1.134E-03	1.009E-03	9.227E-04	8.613E-04
SSE	1.094E-03	6.243E-04	2.314E-04	1.690E-04	4.266E-04	3.668E-04	2.299E-04	1.814E-04	1.549E-04	1.379E-04	1.259E-04	1.169E-04
S	1.878E-03	1.242E-03	8.662E-04	6.702E-04	1.797E-03	1.402E-03	7.675E-04	5.850E-04	5.128E-04	4.830E-04	4.730E-04	4.745E-04
SSW	3.073E-03	2.452E-03	1.999E-03	1.662E-03	5.370E-03	5.644E-03	3.591E-03	2.781E-03	2.358E-03	2.113E-03	1.975E-03	1.897E-03
SW	3.808E-03	3.162E-03	2.609E-03	2.197E-03	7.329E-03	8.017E-03	5.220E-03	4.093E-03	3.510E-03	3.176E-03	2.973E-03	2.848E-03
WSW	3.720E-03	2.948E-03	2.343E-03	1.914E-03	5.971E-03	6.095E-03	4.021E-03	3.312E-03	2.953E-03	2.753E-03	2.640E-03	2.578E-03
W	3.860E-03	3.068E-03	2.444E-03	1.998E-03	6.234E-03	6.411E-03	4.273E-03	3.560E-03	3.211E-03	3.038E-03	2.949E-03	2.906E-03
WNW	5.291E-03	4.040E-03	3.231E-03	2.645E-03	8.243E-03	8.379E-03	5.481E-03	4.503E-03	4.032E-03	3.788E-03	3.664E-03	3.625E-03
NW	6.114E-03	4.928E-03	3.716E-03	3.019E-03	9.365E-03	9.574E-03	6.218E-03	5.036E-03	4.426E-03	4.074E-03	3.861E-03	3.731E-03
NNW	7.256E-03	5.543E-03	3.963E-03	3.136E-03	9.465E-03	9.525E-03	6.217E-03	5.038E-03	4.425E-03	4.066E-03	3.843E-03	3.702E-03

TOTAL DOSE COMMITMENT IS 9.071E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 6--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.573E-01	1.425E+00	6.994E-01	1.383E-01	7.642E-02	5.226E+00
GROUND	4.623E-02	4.623E-02	4.623E-02	4.623E-02	4.623E-02	4.623E-02
CLOUD	4.509E-02	4.509E-02	4.509E-02	4.509E-02	4.509E-02	4.509E-02
VEG. ING	1.221E+00	1.446E+01	1.221E+00	3.765E+00	3.159E+00	1.221E+00
MEAT ING	4.382E-02	5.293E-01	4.382E-02	1.426E-01	1.172E-01	4.382E-02
MILK ING	3.696E-02	4.767E-01	3.696E-02	7.837E-02	8.148E-02	3.696E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.550E+00	1.699E+01	2.092E+00	4.216E+00	3.525E+00	6.619E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.221E+00	1.446E+01	1.221E+00	3.765E+00	3.159E+00	1.221E+00
MEAT ING	9.882E-01	1.194E+01	9.882E-01	3.217E+00	2.643E+00	9.882E-01
MILK ING	3.338E-02	4.304E-01	3.338E-02	7.077E-02	7.358E-02	3.338E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.242E+00	2.683E+01	2.242E+00	7.052E+00	5.876E+00	2.242E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.573E-01	1.425E+00	6.994E-01	1.383E-01	7.642E-02	5.226E+00
GROUND	4.623E-02	4.623E-02	4.623E-02	4.623E-02	4.623E-02	4.623E-02
CLOUD	4.509E-02	4.509E-02	4.509E-02	4.509E-02	4.509E-02	4.509E-02
VEG. ING	2.442E+00	2.892E+01	2.442E+00	7.530E+00	6.318E+00	2.442E+00
MEAT ING	1.032E+00	1.246E+01	1.032E+00	3.359E+00	2.761E+00	1.032E+00
MILK ING	7.033E-02	9.071E-01	7.033E-02	1.491E-01	1.551E-01	7.033E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.793E+00	4.381E+01	4.335E+00	1.127E+01	9.401E+00	8.862E+00

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	1.270E-05	2.793E-05	2.793E-05	2.786E-05	3.885E+01	8.030E+01	8.002E+01	8.002E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.270E-05	2.793E-05	2.793E-05	2.786E-05	3.885E+01	8.030E+01	8.002E+01	8.002E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.034E-01	1.130E-01	1.130E-01	1.127E-01	3.194E+05	3.455E+05	3.442E+05	3.442E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.034E-01	1.130E-01	1.130E-01	1.127E-01	3.194E+05	3.455E+05	3.442E+05	3.442E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	3.268E-03	9.550E-03	9.550E-03	9.528E-03	9.929E+03	2.703E+04	2.694E+04	2.694E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.268E-03	9.550E-03	9.550E-03	9.528E-03	9.929E+03	2.703E+04	2.694E+04	2.694E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.572E-03	7.563E-03	7.562E-03	7.545E-03	7.815E+03	2.140E+04	2.133E+04	2.133E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.572E-03	7.563E-03	7.562E-03	7.545E-03	7.815E+03	2.140E+04	2.133E+04	2.133E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.328E-02	1.884E-02	1.884E-02	1.880E-02	4.091E+04	5.605E+04	5.585E+04	5.585E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.328E-02	1.884E-02	1.884E-02	1.880E-02	4.091E+04	5.605E+04	5.585E+04	5.585E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.274E-02	4.474E-02	4.473E-02	4.463E-02	1.009E+05	1.335E+05	1.331E+05	1.331E+05
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.274E-02	4.474E-02	4.473E-02	4.463E-02	1.009E+05	1.335E+05	1.331E+05	1.331E+05
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.654E-03	1.153E-02	1.153E-02	1.151E-02	1.108E+04	3.253E+04	3.242E+04	3.242E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.654E-03	1.153E-02	1.153E-02	1.151E-02	1.108E+04	3.253E+04	3.242E+04	3.242E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.501E-03	1.396E-02	1.396E-02	1.393E-02	2.613E+04	4.100E+04	4.086E+04	4.086E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			8.501E-03	1.396E-02	1.396E-02	1.393E-02	2.613E+04	4.100E+04	4.086E+04	4.086E+04



NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	2.945E-02	3.595E-02	3.595E-02	3.586E-02	9.087E+04	1.086E+05	1.082E+05	1.082E+05
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.945E-02	3.595E-02	3.595E-02	3.586E-02	9.087E+04	1.086E+05	1.082E+05	1.082E+05
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	2	1.249E-05	2.781E-05	2.781E-05	2.774E-05	3.820E+01	7.989E+01	7.961E+01	7.961E+01
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.249E-05	2.781E-05	2.781E-05	2.774E-05	3.820E+01	7.989E+01	7.961E+01	7.961E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	1.185E-05	2.511E-05	2.510E-05	2.505E-05	3.626E+01	7.235E+01	7.210E+01	7.210E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.185E-05	2.511E-05	2.510E-05	2.505E-05	3.626E+01	7.235E+01	7.210E+01	7.210E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	2.415E-06	5.179E-06	5.179E-06	5.167E-06	7.389E+00	1.491E+01	1.486E+01	1.486E+01
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.415E-06	5.179E-06	5.179E-06	5.167E-06	7.389E+00	1.491E+01	1.486E+01	1.486E+01
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	5.925E-03	2.643E-02	2.643E-02	2.637E-02	1.775E+04	7.357E+04	7.333E+04	7.333E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		5.925E-03	2.643E-02	2.643E-02	2.637E-02	1.775E+04	7.357E+04	7.333E+04	7.333E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.156E-03	6.640E-03	6.639E-03	6.624E-03	6.542E+03	1.875E+04	1.868E+04	1.868E+04
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.156E-03	6.640E-03	6.639E-03	6.624E-03	6.542E+03	1.875E+04	1.868E+04	1.868E+04



NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS								GROUND CONCENTRATIONS, PCI/M2			
	AIRBORNE CONCENTRATIONS, PCI/M3											
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.787E+00	1.788E+00	1.732E+00	1.655E+00	4.115E-05	1.114E-06	7.853E-10	1.680E-05	1.416E+00	1.416E+00	1.416E+00	4.288E+01
2	2.348E+02	2.090E+02	6.922E+01	2.071E+01	9.726E-06	5.507E-09	9.012E-14	6.435E-04	1.656E+02	1.656E+02	1.656E+02	9.920E+00
3	1.172E+02	1.044E+02	3.636E+01	1.215E+01	6.720E-06	4.452E-09	8.478E-14	3.372E-04	8.269E+01	8.269E+01	8.269E+01	6.854E+00
4	9.536E+01	7.253E+01	1.928E+01	5.707E+00	2.882E-06	1.848E-09	3.673E-14	1.937E-04	5.744E+01	5.744E+01	5.744E+01	2.981E+00
5	1.092E+02	9.988E+01	4.053E+01	1.564E+01	1.044E-05	8.235E-09	1.854E-13	3.667E-04	7.911E+01	7.911E+01	7.911E+01	1.065E+01
6	2.262E+02	1.867E+02	4.647E+01	1.055E+01	3.550E-06	1.466E-09	1.768E-14	4.672E-04	1.478E+02	1.478E+02	1.478E+02	3.621E+00
7	1.499E+02	1.311E+02	4.160E+01	1.259E+01	6.113E-06	3.583E-09	6.059E-14	3.929E-04	1.039E+02	1.039E+02	1.039E+02	6.235E+00
8	1.053E+02	9.533E+01	3.650E+01	1.341E+01	8.431E-06	6.292E-09	1.344E-13	3.333E-04	7.550E+01	7.550E+01	7.550E+01	8.599E+00
9	1.401E+02	1.276E+02	5.038E+01	1.836E+01	1.121E-05	8.123E-09	1.687E-13	4.553E-04	1.010E+02	1.010E+02	1.010E+02	1.143E+01
10	1.896E+00	1.897E+00	1.861E+00	1.803E+00	5.708E-05	1.976E-06	1.799E-09	1.811E-05	1.503E+00	1.503E+00	1.503E+00	5.952E+01
11	6.833E-01	6.837E-01	6.807E-01	6.724E-01	3.120E-05	1.557E-06	2.069E-09	6.663E-06	5.415E-01	5.415E-01	5.415E-01	3.211E+01
12	3.015E-01	3.017E-01	3.002E-01	2.961E-01	1.504E-05	9.089E-07	1.509E-09	2.937E-06	2.389E-01	2.389E-01	2.389E-01	1.563E+01
13	3.654E+02	2.549E+02	4.650E+01	8.597E+00	2.500E-06	1.050E-09	1.644E-14	5.304E-04	2.019E+02	2.019E+02	2.019E+02	2.603E+00
14	1.068E+02	9.715E+01	4.319E+01	2.081E+01	2.085E-05	2.447E-08	8.211E-13	3.967E-04	7.695E+01	7.695E+01	7.695E+01	2.140E+01



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 METSET: Sweetwater WY DATA: f:20cfr.in

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 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 6, XS -

NUMBER 1 NAME-Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.27E-05	1.27E-05	2.79E-05	2.79E-05	1.68E-05	6.90E-05	2.90E-05	2.79E-05
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.54E-06	3.18E-06	3.49E-04	1.40E-05	5.04E-04	1.73E-05	1.45E-07	3.98E-06

SUM OF FRACTIONS EQUALS 8.95E-04

NUMBER 2 NAME-Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.13E-01	1.13E-01	6.43E-04	1.13E-01	1.13E-01	1.13E-01
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	2.07E-02	2.58E-02	1.41E+00	5.65E-02	1.93E-02	2.82E-02	5.64E-04	1.61E-02

SUM OF FRACTIONS EQUALS 1.58E+00



REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 6, Cells 1-4 closed, 5 & 6 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 1 NAME=Nearest Resident X= 28.0KM Y= 0.0KM Z= 73.9M DIST= 28.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.27E-05	1.27E-05	2.79E-05	2.79E-05	1.68E-05	6.90E-05	2.90E-05	2.79E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.12E-04	2.54E-04	9.30E-04	3.10E-05	1.53E-02	1.15E-04	7.25E-07	3.10E-05

SUM OF FRACTIONS EQUALS 1.68E-02

NUMBER 2 NAME= N Permit Area Boun X= 0.0KM Y= 0.3KM Z= 6.9M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.03E-01	1.03E-01	1.13E-01	1.13E-01	6.43E-04	1.13E-01	1.13E-01	1.13E-01
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.72E+00	2.06E+00	3.77E+00	1.26E-01	5.85E-01	1.88E-01	2.83E-03	1.26E-01

SUM OF FRACTIONS EQUALS 8.57E+00

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 6, Cells 1-4 closed, 5 & 6 full

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 3 NAME= S Permit Area Boun X= 0.0KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.27E-03	3.27E-03	9.55E-03	9.55E-03	3.37E-04	9.53E-03	9.53E-03	9.53E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.45E-02	6.54E-02	3.18E-01	1.06E-02	3.06E-01	1.59E-02	2.38E-04	1.06E-02
SUM OF FRACTIONS EQUALS	7.82E-01							

NUMBER 4 NAME= E Permit Area Boun X= 1.9KM Y= 0.0KM Z= -0.8M DIST= 1.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.57E-03	2.57E-03	7.56E-03	7.56E-03	1.94E-04	7.55E-03	7.54E-03	7.54E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.28E-02	5.14E-02	2.52E-01	8.40E-03	1.76E-01	1.26E-02	1.89E-04	8.38E-03
SUM OF FRACTIONS EQUALS	5.52E-01							

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 6, Cells 1-4 closed, 5 & 6 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 5 NAME= W Permit Area Boun X= -0.3KM Y= 0.0KM Z= -3.8M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.33E-02	1.33E-02	1.88E-02	1.88E-02	3.67E-04	1.88E-02	1.88E-02	1.88E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.22E-01	2.66E-01	6.27E-01	2.09E-02	3.34E-01	3.13E-02	4.70E-04	2.09E-02

SUM OF FRACTIONS EQUALS 1.52E+00

NUMBER 6 NAME= NE Permit Area Boun X= 0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.27E-02	3.27E-02	4.47E-02	4.47E-02	4.67E-04	4.46E-02	4.46E-02	4.46E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.45E-01	6.54E-01	1.49E+00	4.97E-02	4.25E-01	7.43E-02	1.12E-03	4.96E-02

SUM OF FRACTIONS EQUALS 3.29E+00

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 6, Cells 1-4 closed, 5 & 6 full  
SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20  
DURATION IN YRS IS ... 3.0

NUMBER 7 NAME= SE Permit Area Boun X= 0.2KM Y= -0.2KM Z= -0.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.65E-03	3.65E-03	1.15E-02	1.15E-02	3.93E-04	1.15E-02	1.15E-02	1.15E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	6.08E-02	7.30E-02	3.83E-01	1.28E-02	3.57E-01	1.92E-02	2.88E-04	1.28E-02

SUM OF FRACTIONS EQUALS 9.19E-01

NUMBER 8 NAME= SW Permit Area Boun X= -0.2KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.50E-03	8.50E-03	1.40E-02	1.40E-02	3.33E-04	1.39E-02	1.39E-02	1.39E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.42E-01	1.70E-01	4.67E-01	1.56E-02	3.03E-01	2.32E-02	3.48E-04	1.54E-02

SUM OF FRACTIONS EQUALS 1.14E+00

REGION: Sweetwater Uranium Facility  
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TIME STEP NUMBER 6, Cells 1-4 closed, 5 & 6 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 9 NAME= NW Permit Area Boun X= -0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.94E-02	2.94E-02	3.59E-02	3.59E-02	4.55E-04	3.59E-02	3.59E-02	3.59E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.90E-01	5.88E-01	1.20E+00	3.99E-02	4.14E-01	5.98E-02	8.98E-04	3.99E-02

SUM OF FRACTIONS EQUALS 2.83E+00

NUMBER 10 NAME= Baroil X= 28.6KM Y= 21.6KM Z= 107.4M DIST= 35.8KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.25E-05	1.25E-05	2.78E-05	2.78E-05	1.81E-05	8.48E-05	2.97E-05	2.77E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.08E-04	2.50E-04	9.27E-04	3.09E-05	1.65E-02	1.41E-04	7.43E-07	3.08E-05

SUM OF FRACTIONS EQUALS 1.80E-02

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 6, Cells 1-4 closed, 5 & 6 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 11 NAME= Jeffrey City X= 7.0KM Y= 49.5KM Z= -75.4M DIST= 50.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.18E-05	1.18E-05	2.51E-05	2.51E-05	6.66E-06	5.63E-05	2.66E-05	2.50E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.97E-04	2.36E-04	8.37E-04	2.79E-05	6.05E-03	9.38E-05	6.65E-07	2.78E-05

SUM OF FRACTIONS EQUALS 7.47E-03

NUMBER 12 NAME= Rawlins X= 54.6KM Y= -27.9KM Z= 37.0M DIST= 61.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.41E-06	2.41E-06	5.18E-06	5.18E-06	2.94E-06	2.02E-05	6.08E-06	5.17E-06
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.02E-05	4.82E-05	1.73E-04	5.76E-06	2.67E-03	3.37E-05	1.52E-07	5.74E-06

SUM OF FRACTIONS EQUALS 2.98E-03

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 6, Cells 1-4 closed, 5 & 6 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 13 NAME= Special Receptor #1 X= 1.4KM Y= 1.0KM Z= 0.8M DIST= 1.7KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	5.93E-03	5.93E-03	2.64E-02	2.64E-02	5.30E-04	2.64E-02	2.64E-02	2.64E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	9.88E-02	1.19E-01	8.80E-01	2.93E-02	4.82E-01	4.40E-02	6.60E-04	2.93E-02

SUM OF FRACTIONS EQUALS 1.68E+00

NUMBER 14 NAME= Special Receptor #2 X= 2.0KM Y= 2.1KM Z= 0.8M DIST= 2.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.16E-03	2.16E-03	6.64E-03	6.64E-03	3.97E-04	6.64E-03	6.62E-03	6.62E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	3.60E-02	4.32E-02	2.21E-01	7.38E-03	3.61E-01	1.11E-02	1.66E-04	7.36E-03

SUM OF FRACTIONS EQUALS 6.87E-01



TIME STEP NUMBER 7, 545,955,545,955, DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	4.852E-04	6.725E-03	6.724E-03	6.709E-03	1.209E+02	1.120E+02	4.718E+01	1.866E+01	1.284E-05	4.242E-04
2.5	1.927E-04	2.671E-03	2.671E-03	2.665E-03	5.718E+01	5.474E+01	3.041E+01	1.694E+01	2.074E-05	2.738E-04
3.5	9.620E-05	1.330E-03	1.330E-03	1.327E-03	3.361E+01	3.283E+01	2.153E+01	1.468E+01	2.845E-05	1.978E-04
4.5	5.597E-05	7.724E-04	7.723E-04	7.706E-04	2.247E+01	2.219E+01	1.608E+01	1.228E+01	3.410E-05	1.502E-04
7.5	1.983E-05	2.735E-04	2.735E-04	2.729E-04	1.079E+01	1.077E+01	8.976E+00	7.771E+00	4.459E-05	8.558E-05
15.0	4.815E-06	6.642E-05	6.641E-05	6.626E-05	3.914E+00	3.915E+00	3.649E+00	3.382E+00	4.684E-05	3.515E-05
25.0	1.753E-06	2.417E-05	2.417E-05	2.411E-05	1.862E+00	1.863E+00	1.818E+00	1.755E+00	4.331E-05	1.768E-05
35.0	9.325E-07	1.286E-05	1.286E-05	1.283E-05	1.153E+00	1.153E+00	1.144E+00	1.125E+00	4.051E-05	1.119E-05
45.0	5.814E-07	8.019E-06	8.018E-06	8.000E-06	8.035E-01	8.040E-01	8.027E-01	7.967E-01	3.809E-05	7.870E-06
55.0	3.981E-07	5.491E-06	5.490E-06	5.478E-06	6.005E-01	6.009E-01	6.018E-01	6.002E-01	3.604E-05	5.909E-06
65.0	2.900E-07	4.000E-06	4.000E-06	3.991E-06	4.699E-01	4.702E-01	4.717E-01	4.716E-01	3.428E-05	4.635E-06
75.0	2.208E-07	3.046E-06	3.046E-06	3.039E-06	3.799E-01	3.801E-01	3.817E-01	3.822E-01	3.275E-05	3.752E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.877E+04	4.267E+04	4.249E+04	4.249E+04	0.000E+00	4.258E+04	4.258E+04	4.258E+04	1.955E+01
2.5	7.475E+03	1.697E+04	1.689E+04	1.689E+04	0.000E+00	1.694E+04	1.694E+04	1.694E+04	3.192E+01
3.5	3.952E+03	8.679E+03	8.642E+03	8.642E+03	0.000E+00	8.668E+03	8.668E+03	8.668E+03	4.386E+01
4.5	2.415E+03	5.159E+03	5.137E+03	5.137E+03	0.000E+00	5.154E+03	5.154E+03	5.154E+03	5.261E+01
7.5	8.635E+02	1.835E+03	1.827E+03	1.827E+03	0.000E+00	1.836E+03	1.836E+03	1.836E+03	6.891E+01
15.0	2.106E+02	4.466E+02	4.446E+02	4.446E+02	0.000E+00	4.477E+02	4.477E+02	4.477E+02	7.338E+01
25.0	7.687E+01	1.627E+02	1.620E+02	1.620E+02	0.000E+00	1.635E+02	1.635E+02	1.635E+02	6.895E+01
35.0	4.089E+01	8.657E+01	8.620E+01	8.620E+01	0.000E+00	8.711E+01	8.711E+01	8.711E+01	6.526E+01
45.0	2.549E+01	5.397E+01	5.374E+01	5.374E+01	0.000E+00	5.438E+01	5.438E+01	5.438E+01	6.189E+01
55.0	1.744E+01	3.694E+01	3.678E+01	3.678E+01	0.000E+00	3.726E+01	3.726E+01	3.726E+01	5.893E+01
65.0	1.269E+01	2.690E+01	2.678E+01	2.678E+01	0.000E+00	2.716E+01	2.716E+01	2.716E+01	5.634E+01
75.0	9.653E+00	2.047E+01	2.038E+01	2.038E+01	0.000E+00	2.068E+01	2.068E+01	2.068E+01	5.404E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	4.852E-06	6.725E-05	6.724E-05	6.713E-05
2.5	1.927E-06	2.671E-05	2.671E-05	2.671E-05
3.5	9.620E-07	1.330E-05	1.330E-05	1.336E-05
4.5	5.597E-07	7.724E-06	7.723E-06	7.808E-06
7.5	1.983E-07	2.735E-06	2.735E-06	2.863E-06
15.0	4.815E-08	6.642E-07	6.641E-07	8.031E-07
25.0	1.753E-08	2.417E-07	2.417E-07	3.711E-07
35.0	9.325E-09	1.286E-07	1.286E-07	2.498E-07
45.0	5.814E-09	8.019E-08	8.018E-08	1.943E-07
55.0	3.981E-09	5.491E-08	5.490E-08	1.629E-07
65.0	2.900E-09	4.000E-08	4.000E-08	1.428E-07
75.0	2.208E-09	3.046E-08	3.046E-08	1.286E-07

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE ENE DIRECTION, THETA EQUALS 67.5 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.070E-03	1.515E-02	1.515E-02	1.512E-02	2.150E+02	1.177E+02	1.368E+01	1.645E+00	2.795E-07	1.968E-04
2.5	4.680E-04	6.627E-03	6.626E-03	6.611E-03	1.124E+02	9.609E+01	3.419E+01	1.284E+01	8.551E-06	3.202E-04
3.5	1.857E-04	2.617E-03	2.617E-03	2.611E-03	5.339E+01	4.980E+01	2.514E+01	1.405E+01	1.855E-05	2.311E-04
4.5	9.588E-05	1.346E-03	1.346E-03	1.343E-03	3.173E+01	3.061E+01	1.838E+01	1.238E+01	2.587E-05	1.709E-04
7.5	2.724E-05	3.797E-04	3.797E-04	3.788E-04	1.202E+01	1.194E+01	8.968E+00	7.284E+00	3.550E-05	8.494E-05
15.0	5.810E-06	8.047E-05	8.047E-05	8.028E-05	3.694E+00	3.695E+00	3.294E+00	2.936E+00	3.626E-05	3.146E-05
25.0	2.074E-06	2.868E-05	2.867E-05	2.861E-05	1.687E+00	1.688E+00	1.615E+00	1.525E+00	3.346E-05	1.561E-05
35.0	1.104E-06	1.526E-05	1.526E-05	1.522E-05	1.043E+00	1.044E+00	1.025E+00	9.943E-01	3.171E-05	9.978E-06
45.0	6.887E-07	9.518E-06	9.518E-06	9.496E-06	7.275E-01	7.279E-01	7.225E-01	7.110E-01	3.007E-05	7.065E-06
55.0	4.716E-07	6.518E-06	6.518E-06	6.503E-06	5.441E-01	5.444E-01	5.434E-01	5.389E-01	2.859E-05	5.326E-06
65.0	3.436E-07	4.749E-06	4.748E-06	4.737E-06	4.261E-01	4.264E-01	4.268E-01	4.252E-01	2.729E-05	4.189E-06
75.0	2.616E-07	3.616E-06	3.616E-06	3.607E-06	3.448E-01	3.450E-01	3.459E-01	3.456E-01	2.613E-05	3.398E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.732E+04	7.126E+04	7.097E+04	7.097E+04	0.000E+00	7.106E+04	7.106E+04	7.106E+04	6.752E-01
2.5	7.654E+03	3.124E+04	3.111E+04	3.111E+04	0.000E+00	3.119E+04	3.119E+04	3.119E+04	1.340E+01
3.5	3.979E+03	1.329E+04	1.324E+04	1.324E+04	0.000E+00	1.328E+04	1.328E+04	1.328E+04	2.862E+01
4.5	2.438E+03	7.226E+03	7.195E+03	7.195E+03	0.000E+00	7.220E+03	7.220E+03	7.220E+03	3.979E+01
7.5	8.931E+02	2.243E+03	2.234E+03	2.234E+03	0.000E+00	2.243E+03	2.243E+03	2.243E+03	5.471E+01
15.0	2.290E+02	5.150E+02	5.128E+02	5.128E+02	0.000E+00	5.157E+02	5.157E+02	5.157E+02	5.679E+01
25.0	8.584E+01	1.877E+02	1.869E+02	1.869E+02	0.000E+00	1.883E+02	1.883E+02	1.883E+02	5.331E+01
35.0	4.593E+01	1.001E+02	9.972E+01	9.972E+01	0.000E+00	1.005E+02	1.005E+02	1.005E+02	5.108E+01
45.0	2.869E+01	6.251E+01	6.224E+01	6.224E+01	0.000E+00	6.282E+01	6.282E+01	6.282E+01	4.880E+01
55.0	1.965E+01	4.281E+01	4.262E+01	4.262E+01	0.000E+00	4.305E+01	4.305E+01	4.305E+01	4.668E+01
65.0	1.431E+01	3.118E+01	3.104E+01	3.104E+01	0.000E+00	3.138E+01	3.138E+01	3.138E+01	4.476E+01
75.0	1.089E+01	2.373E+01	2.363E+01	2.363E+01	0.000E+00	2.390E+01	2.390E+01	2.390E+01	4.302E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.070E-05	1.515E-04	1.515E-04	1.512E-04
2.5	4.680E-06	6.627E-05	6.626E-05	6.614E-05
3.5	1.857E-06	2.617E-05	2.617E-05	2.616E-05
4.5	9.588E-07	1.346E-05	1.346E-05	1.350E-05
7.5	2.724E-07	3.797E-06	3.797E-06	3.895E-06
15.0	5.810E-08	8.047E-07	8.047E-07	9.116E-07
25.0	2.074E-08	2.868E-07	2.867E-07	3.865E-07
35.0	1.104E-08	1.526E-07	1.526E-07	2.474E-07
45.0	6.887E-09	9.518E-08	9.518E-08	1.852E-07
55.0	4.716E-09	6.518E-08	6.518E-08	1.508E-07
65.0	3.436E-09	4.749E-08	4.748E-08	1.292E-07
75.0	2.616E-09	3.616E-08	3.616E-08	1.145E-07

TIME STEP NUMBER 7, 545,955,545,955, DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.780E-04	3.855E-03	3.854E-03	3.846E-03	5.620E+01	3.672E+01	6.785E+00	1.342E+00	4.001E-07	7.722E-05
2.5	2.086E-04	2.930E-03	2.929E-03	2.923E-03	5.044E+01	4.279E+01	1.565E+01	6.450E+00	5.038E-06	1.475E-04
3.5	9.494E-05	1.327E-03	1.327E-03	1.324E-03	2.698E+01	2.503E+01	1.244E+01	7.149E+00	1.031E-05	1.155E-04
4.5	5.486E-05	7.650E-04	7.649E-04	7.632E-04	1.779E+01	1.712E+01	1.004E+01	6.796E+00	1.505E-05	9.388E-05
7.5	1.823E-05	2.532E-04	2.532E-04	2.526E-04	7.841E+00	7.787E+00	5.752E+00	4.626E+00	2.300E-05	5.444E-05
15.0	4.358E-06	6.032E-05	6.032E-05	6.018E-05	2.721E+00	2.722E+00	2.420E+00	2.147E+00	2.636E-05	2.308E-05
25.0	1.587E-06	2.193E-05	2.193E-05	2.188E-05	1.280E+00	1.280E+00	1.227E+00	1.158E+00	2.523E-05	1.186E-05
35.0	8.345E-07	1.153E-05	1.153E-05	1.150E-05	7.874E-01	7.879E-01	7.747E-01	7.526E-01	2.391E-05	7.547E-06
45.0	5.163E-07	7.130E-06	7.129E-06	7.113E-06	5.472E-01	5.475E-01	5.443E-01	5.364E-01	2.265E-05	5.324E-06
55.0	3.538E-07	4.886E-06	4.886E-06	4.874E-06	4.102E-01	4.104E-01	4.101E-01	4.073E-01	2.161E-05	4.021E-06
65.0	2.586E-07	3.571E-06	3.571E-06	3.563E-06	3.224E-01	3.225E-01	3.232E-01	3.223E-01	2.070E-05	3.173E-06
75.0	1.973E-07	2.725E-06	2.725E-06	2.719E-06	2.615E-01	2.616E-01	2.625E-01	2.625E-01	1.988E-05	2.579E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.060E+04	2.430E+04	2.420E+04	2.420E+04	0.000E+00	2.423E+04	2.423E+04	2.423E+04	7.733E-01	
2.5	5.161E+03	1.558E+04	1.552E+04	1.552E+04	0.000E+00	1.555E+04	1.555E+04	1.555E+04	7.931E+00	
3.5	2.824E+03	7.544E+03	7.512E+03	7.512E+03	0.000E+00	7.532E+03	7.532E+03	7.532E+03	1.598E+01	
4.5	1.778E+03	4.497E+03	4.478E+03	4.478E+03	0.000E+00	4.492E+03	4.492E+03	4.492E+03	2.319E+01	
7.5	6.708E+02	1.571E+03	1.564E+03	1.564E+03	0.000E+00	1.570E+03	1.570E+03	1.570E+03	3.541E+01	
15.0	1.749E+02	3.892E+02	3.875E+02	3.875E+02	0.000E+00	3.897E+02	3.897E+02	3.897E+02	4.120E+01	
25.0	6.577E+01	1.437E+02	1.431E+02	1.431E+02	0.000E+00	1.441E+02	1.441E+02	1.441E+02	4.009E+01	
35.0	3.515E+01	7.611E+01	7.578E+01	7.578E+01	0.000E+00	7.640E+01	7.640E+01	7.640E+01	3.845E+01	
45.0	2.194E+01	4.727E+01	4.707E+01	4.707E+01	0.000E+00	4.750E+01	4.750E+01	4.750E+01	3.673E+01	
55.0	1.503E+01	3.238E+01	3.224E+01	3.224E+01	0.000E+00	3.257E+01	3.257E+01	3.257E+01	3.526E+01	
65.0	1.094E+01	2.363E+01	2.353E+01	2.353E+01	0.000E+00	2.378E+01	2.378E+01	2.378E+01	3.393E+01	
75.0	8.326E+00	1.801E+01	1.793E+01	1.793E+01	0.000E+00	1.814E+01	1.814E+01	1.814E+01	3.270E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	2.780E-06	3.855E-05	3.854E-05	3.846E-05
2.5	2.086E-06	2.930E-05	2.929E-05	2.924E-05
3.5	9.494E-07	1.327E-05	1.327E-05	1.327E-05
4.5	5.486E-07	7.650E-06	7.649E-06	7.677E-06
7.5	1.823E-07	2.532E-06	2.532E-06	2.595E-06
15.0	4.358E-08	6.032E-07	6.032E-07	6.809E-07
25.0	1.587E-08	2.193E-07	2.193E-07	2.945E-07
35.0	8.345E-09	1.153E-07	1.153E-07	1.867E-07
45.0	5.163E-09	7.130E-08	7.129E-08	1.391E-07
55.0	3.538E-09	4.886E-08	4.886E-08	1.136E-07
65.0	2.586E-09	3.571E-08	3.571E-08	9.774E-08
75.0	1.973E-09	2.725E-08	2.725E-08	8.683E-08

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.107E-04	1.563E-03	1.563E-03	1.559E-03	3.284E+01	3.151E+01	1.648E+01	8.903E+00	1.080E-05	1.492E-04
2.5	4.185E-05	5.892E-04	5.892E-04	5.878E-04	1.492E+01	1.464E+01	9.381E+00	6.260E+00	1.205E-05	8.599E-05
3.5	2.019E-05	2.836E-04	2.836E-04	2.830E-04	8.491E+00	8.417E+00	6.098E+00	4.595E+00	1.267E-05	5.673E-05
4.5	1.211E-05	1.701E-04	1.701E-04	1.697E-04	5.859E+00	5.833E+00	4.551E+00	3.676E+00	1.345E-05	4.279E-05
7.5	3.815E-06	5.358E-05	5.358E-05	5.345E-05	2.604E+00	2.602E+00	2.279E+00	2.021E+00	1.364E-05	2.177E-05
15.0	6.743E-07	9.453E-06	9.453E-06	9.431E-06	8.185E-01	8.189E-01	7.870E-01	7.489E-01	1.156E-05	7.627E-06
25.0	1.779E-07	2.484E-06	2.484E-06	2.478E-06	3.492E-01	3.495E-01	3.464E-01	3.410E-01	9.565E-06	3.388E-06
35.0	7.495E-08	1.043E-06	1.043E-06	1.040E-06	2.018E-01	2.019E-01	2.019E-01	2.010E-01	8.391E-06	1.981E-06
45.0	3.927E-08	5.444E-07	5.444E-07	5.432E-07	1.343E-01	1.344E-01	1.347E-01	1.347E-01	7.578E-06	1.324E-06
55.0	2.346E-08	3.243E-07	3.242E-07	3.235E-07	9.702E-02	9.708E-02	9.748E-02	9.766E-02	6.971E-06	9.585E-07
65.0	1.530E-08	2.109E-07	2.109E-07	2.104E-07	7.396E-02	7.401E-02	7.435E-02	7.455E-02	6.493E-06	7.313E-07
75.0	1.070E-08	1.472E-07	1.472E-07	1.469E-07	5.872E-02	5.875E-02	5.904E-02	5.923E-02	6.116E-06	5.808E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Pb-210	
1.5	2.155E+03	7.716E+03	7.684E+03	7.684E+03	0.000E+00	7.709E+03	7.709E+03	7.709E+03	1.616E+01
2.5	9.352E+02	3.032E+03	3.019E+03	3.019E+03	0.000E+00	3.031E+03	3.031E+03	3.031E+03	1.809E+01
3.5	4.920E+02	1.501E+03	1.495E+03	1.495E+03	0.000E+00	1.501E+03	1.501E+03	1.501E+03	1.909E+01
4.5	2.954E+02	9.006E+02	8.968E+02	8.968E+02	0.000E+00	9.014E+02	9.014E+02	9.014E+02	2.031E+01
7.5	9.477E+01	2.854E+02	2.842E+02	2.842E+02	0.000E+00	2.862E+02	2.862E+02	2.862E+02	2.073E+01
15.0	1.801E+01	5.163E+01	5.141E+01	5.141E+01	0.000E+00	5.206E+01	5.206E+01	5.206E+01	1.785E+01
25.0	5.469E+00	1.430E+01	1.424E+01	1.424E+01	0.000E+00	1.452E+01	1.452E+01	1.452E+01	1.504E+01
35.0	2.615E+00	6.321E+00	6.294E+00	6.294E+00	0.000E+00	6.454E+00	6.454E+00	6.454E+00	1.338E+01
45.0	1.512E+00	3.447E+00	3.432E+00	3.432E+00	0.000E+00	3.539E+00	3.539E+00	3.539E+00	1.221E+01
55.0	9.757E-01	2.128E+00	2.119E+00	2.119E+00	0.000E+00	2.195E+00	2.195E+00	2.195E+00	1.132E+01
65.0	6.764E-01	1.425E+00	1.419E+00	1.419E+00	0.000E+00	1.478E+00	1.478E+00	1.478E+00	1.061E+01
75.0	4.940E-01	1.017E+00	1.012E+00	1.012E+00	0.000E+00	1.059E+00	1.059E+00	1.059E+00	1.005E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.107E-06	1.563E-05	1.563E-05	1.562E-05
2.5	4.185E-07	5.892E-06	5.892E-06	5.914E-06
3.5	2.019E-07	2.836E-06	2.836E-06	2.868E-06
4.5	1.211E-07	1.701E-06	1.701E-06	1.738E-06
7.5	3.815E-08	5.358E-07	5.358E-07	5.755E-07
15.0	6.743E-09	9.453E-08	9.453E-08	1.290E-07
25.0	1.779E-09	2.484E-08	2.484E-08	5.348E-08
35.0	7.495E-10	1.043E-08	1.043E-08	3.558E-08
45.0	3.927E-10	5.444E-09	5.444E-09	2.817E-08
55.0	2.346E-10	3.243E-09	3.242E-09	2.415E-08
65.0	1.530E-10	2.109E-09	2.109E-09	2.158E-08
75.0	1.070E-10	1.472E-09	1.472E-09	1.982E-08

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.054E-04	1.388E-03	1.388E-03	1.385E-03	3.307E+01	3.227E+01	2.028E+01	1.254E+01	1.852E-05	1.828E-04
2.5	5.561E-05	7.423E-04	7.423E-04	7.406E-04	2.135E+01	2.111E+01	1.535E+01	1.129E+01	2.577E-05	1.417E-04
3.5	3.353E-05	4.506E-04	4.505E-04	4.495E-04	1.517E+01	1.509E+01	1.193E+01	9.639E+00	3.089E-05	1.120E-04
4.5	2.210E-05	2.982E-04	2.982E-04	2.975E-04	1.148E+01	1.145E+01	9.534E+00	8.134E+00	3.431E-05	9.047E-05
7.5	8.760E-06	1.190E-04	1.190E-04	1.188E-04	6.209E+00	6.208E+00	5.593E+00	5.096E+00	3.870E-05	5.376E-05
15.0	2.314E-06	3.168E-05	3.168E-05	3.161E-05	2.522E+00	2.524E+00	2.431E+00	2.321E+00	3.828E-05	2.358E-05
25.0	8.738E-07	1.200E-05	1.200E-05	1.197E-05	1.267E+00	1.267E+00	1.255E+00	1.231E+00	3.522E-05	1.226E-05
35.0	4.724E-07	6.496E-06	6.495E-06	6.480E-06	8.019E-01	8.024E-01	8.014E-01	7.959E-01	3.288E-05	7.858E-06
45.0	2.969E-07	4.085E-06	4.084E-06	4.075E-06	5.659E-01	5.663E-01	5.675E-01	5.666E-01	3.091E-05	5.574E-06
55.0	2.057E-07	2.832E-06	2.832E-06	2.826E-06	4.297E-01	4.300E-01	4.316E-01	4.320E-01	2.946E-05	4.242E-06
65.0	1.510E-07	2.080E-06	2.079E-06	2.075E-06	3.402E-01	3.404E-01	3.419E-01	3.427E-01	2.819E-05	3.363E-06
75.0	1.153E-07	1.589E-06	1.589E-06	1.585E-06	2.773E-01	2.775E-01	2.788E-01	2.796E-01	2.705E-05	2.742E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	9.457E+03	1.437E+04	1.430E+04	1.430E+04	0.000E+00	1.433E+04	1.433E+04	1.433E+04	2.797E+01
2.5	4.280E+03	6.910E+03	6.879E+03	6.879E+03	0.000E+00	6.895E+03	6.895E+03	6.895E+03	3.925E+01
3.5	2.354E+03	3.952E+03	3.934E+03	3.934E+03	0.000E+00	3.946E+03	3.946E+03	3.946E+03	4.722E+01
4.5	1.459E+03	2.516E+03	2.505E+03	2.505E+03	0.000E+00	2.514E+03	2.514E+03	2.514E+03	5.257E+01
7.5	5.160E+02	9.384E+02	9.343E+02	9.343E+02	0.000E+00	9.392E+02	9.392E+02	9.392E+02	5.964E+01
15.0	1.193E+02	2.318E+02	2.308E+02	2.308E+02	0.000E+00	2.328E+02	2.328E+02	2.328E+02	5.990E+01
25.0	4.200E+01	8.462E+01	8.425E+01	8.425E+01	0.000E+00	8.525E+01	8.525E+01	8.525E+01	5.599E+01
35.0	2.220E+01	4.527E+01	4.507E+01	4.507E+01	0.000E+00	4.570E+01	4.570E+01	4.570E+01	5.290E+01
45.0	1.378E+01	2.829E+01	2.816E+01	2.816E+01	0.000E+00	2.861E+01	2.861E+01	2.861E+01	5.015E+01
55.0	9.391E+00	1.945E+01	1.937E+01	1.937E+01	0.000E+00	1.971E+01	1.971E+01	1.971E+01	4.807E+01
65.0	6.802E+00	1.419E+01	1.413E+01	1.413E+01	0.000E+00	1.440E+01	1.440E+01	1.440E+01	4.621E+01
75.0	5.144E+00	1.079E+01	1.074E+01	1.074E+01	0.000E+00	1.096E+01	1.096E+01	1.096E+01	4.450E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.054E-06	1.388E-05	1.388E-05	1.391E-05
2.5	5.561E-07	7.423E-06	7.423E-06	7.483E-06
3.5	3.353E-07	4.506E-06	4.505E-06	4.588E-06
4.5	2.210E-07	2.982E-06	2.982E-06	3.078E-06
7.5	8.760E-08	1.190E-06	1.190E-06	1.304E-06
15.0	2.314E-08	3.168E-07	3.168E-07	4.309E-07
25.0	8.738E-09	1.200E-07	1.200E-07	2.254E-07
35.0	4.724E-09	6.496E-08	6.495E-08	1.634E-07
45.0	2.969E-09	4.085E-08	4.084E-08	1.335E-07
55.0	2.057E-09	2.832E-08	2.832E-08	1.166E-07
65.0	1.510E-09	2.080E-08	2.079E-08	1.053E-07
75.0	1.153E-09	1.589E-08	1.589E-08	9.700E-08

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.073E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.243E-03	3.569E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.188E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.579E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.955E-03
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.549E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.167E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.440E-04	4.027E-05	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.867E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.664E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.021E-02 PERSON-REM/YR

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.394E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.140E-02	4.025E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.495E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.123E-01	2.163E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.738E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.218E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.574E-03	4.297E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.294E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.787E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.723E-01 PERSON-REM/YR



TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.181E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.227E-02	1.215E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.731E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.518E-01	6.233E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.175E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.129E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.385E-04	1.120E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.296E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.738E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.982E-01 PERSON-REM/YR



TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.160E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.542E-01	2.153E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.304E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.382E+00	1.032E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.109E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.246E-02	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.278E-02	3.680E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.906E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.309E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.342E+00 PERSON-REM/YR

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.921E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.370E-03	2.937E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.852E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.687E-02	1.512E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.219E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.697E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.115E-04	2.856E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.807E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.175E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.817E-02 PERSON-REM/YR

TIME STEP NUMBER 7, 545,955,545,955, DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.768E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.952E-03	1.841E-04	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.093E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.061E-02	9.000E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.390E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.733E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.117E-04	3.233E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.970E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.147E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.886E-02 PERSON-REM/YR

TIME STEP NUMBER 7, 545,955,545,955.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.260E-02	8.357E-03	5.857E-03	4.406E-03	1.336E-02	1.449E-02	1.065E-02	9.653E-03	9.373E-03	9.394E-03	9.564E-03	9.811E-03
NNE	1.948E-02	1.430E-02	8.134E-03	6.009E-03	1.650E-02	1.666E-02	1.161E-02	1.005E-02	9.418E-03	9.182E-03	9.186E-03	9.334E-03
NE	3.136E-02	1.897E-02	1.049E-02	7.458E-03	1.983E-02	1.978E-02	1.354E-02	1.145E-02	1.058E-02	1.024E-02	1.014E-02	1.017E-02
ENE	2.767E-02	2.019E-02	1.123E-02	7.484E-03	1.805E-02	1.662E-02	1.134E-02	9.822E-03	9.187E-03	8.935E-03	8.881E-03	8.936E-03
E	7.217E-03	9.010E-03	5.752E-03	4.288E-03	1.208E-02	1.243E-02	8.651E-03	7.418E-03	6.902E-03	6.728E-03	6.714E-03	6.776E-03
ESE	1.775E-03	2.391E-03	2.287E-03	1.981E-03	7.000E-03	8.597E-03	6.244E-03	5.286E-03	4.794E-03	4.522E-03	4.372E-03	4.303E-03
SE	1.945E-03	6.215E-04	4.750E-04	4.381E-04	1.853E-03	2.608E-03	2.035E-03	1.789E-03	1.668E-03	1.609E-03	1.584E-03	1.579E-03
SSE	2.012E-03	1.132E-03	3.688E-04	2.650E-04	6.435E-04	5.463E-04	3.577E-04	2.973E-04	2.666E-04	2.481E-04	2.359E-04	2.272E-04
S	2.869E-03	1.815E-03	1.232E-03	9.577E-04	2.615E-03	2.235E-03	1.443E-03	1.282E-03	1.268E-03	1.306E-03	1.365E-03	1.435E-03
SSW	3.006E-03	2.438E-03	2.050E-03	1.740E-03	5.854E-03	6.721E-03	4.883E-03	4.317E-03	4.132E-03	4.113E-03	4.209E-03	4.360E-03
SW	2.816E-03	2.561E-03	2.236E-03	1.962E-03	7.119E-03	8.986E-03	6.860E-03	6.194E-03	6.035E-03	6.089E-03	6.240E-03	6.440E-03
WSW	3.022E-03	2.565E-03	2.125E-03	1.787E-03	5.974E-03	7.081E-03	5.666E-03	5.470E-03	5.540E-03	5.724E-03	5.960E-03	6.219E-03
W	2.768E-03	2.442E-03	2.072E-03	1.773E-03	6.117E-03	7.640E-03	6.272E-03	6.112E-03	6.242E-03	6.537E-03	6.878E-03	7.230E-03
WNW	4.076E-03	3.210E-03	2.741E-03	2.348E-03	8.068E-03	9.959E-03	8.097E-03	7.870E-03	8.052E-03	8.396E-03	8.812E-03	9.309E-03
NW	4.969E-03	4.768E-03	3.590E-03	3.001E-03	9.855E-03	1.144E-02	8.724E-03	8.100E-03	7.998E-03	8.114E-03	8.336E-03	8.610E-03
NNW	7.335E-03	6.283E-03	4.342E-03	3.453E-03	1.068E-02	1.171E-02	8.724E-03	7.992E-03	7.817E-03	7.875E-03	8.045E-03	8.271E-03

TOTAL DOSE COMMITMENT IS 1.273E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.528E-01	1.013E-01	7.100E-02	5.340E-02	1.615E-01	1.734E-01	1.255E-01	1.122E-01	1.078E-01	1.072E-01	1.084E-01	1.106E-01
NNE	2.356E-01	1.729E-01	9.843E-02	7.272E-02	1.995E-01	1.998E-01	1.375E-01	1.177E-01	1.091E-01	1.055E-01	1.048E-01	1.059E-01
NE	3.788E-01	2.292E-01	1.269E-01	9.022E-02	2.398E-01	2.378E-01	1.610E-01	1.347E-01	1.233E-01	1.184E-01	1.163E-01	1.159E-01
ENE	3.341E-01	2.437E-01	1.357E-01	9.047E-02	2.181E-01	1.996E-01	1.347E-01	1.153E-01	1.068E-01	1.030E-01	1.016E-01	1.017E-01
E	8.747E-02	1.089E-01	6.960E-02	5.189E-02	1.461E-01	1.494E-01	1.028E-01	8.710E-02	8.022E-02	7.753E-02	7.682E-02	7.707E-02
ESE	2.172E-02	2.907E-02	2.776E-02	2.404E-02	8.481E-02	1.036E-01	7.468E-02	6.269E-02	5.640E-02	5.281E-02	5.072E-02	4.963E-02
SE	2.355E-02	7.578E-03	5.795E-03	5.336E-03	2.248E-02	3.140E-02	2.424E-02	2.110E-02	1.950E-02	1.865E-02	1.823E-02	1.806E-02
SSE	2.426E-02	1.365E-02	4.448E-03	3.194E-03	7.727E-03	6.480E-03	4.190E-03	3.452E-03	3.076E-03	2.848E-03	2.696E-03	2.587E-03
S	3.465E-02	2.193E-02	1.488E-02	1.156E-02	3.145E-02	2.646E-02	1.666E-02	1.453E-02	1.421E-02	1.453E-02	1.510E-02	1.583E-02
SSW	3.653E-02	2.961E-02	2.488E-02	2.109E-02	7.075E-02	8.038E-02	5.749E-02	5.009E-02	4.739E-02	4.675E-02	4.750E-02	4.894E-02
SW	3.440E-02	3.121E-02	2.722E-02	2.384E-02	8.617E-02	1.076E-01	8.083E-02	7.195E-02	6.930E-02	6.930E-02	7.052E-02	7.238E-02
WSW	3.685E-02	3.122E-02	2.583E-02	2.170E-02	7.219E-02	8.438E-02	6.627E-02	6.306E-02	6.319E-02	6.475E-02	6.702E-02	6.961E-02
W	3.384E-02	2.977E-02	2.522E-02	2.154E-02	7.389E-02	9.082E-02	7.311E-02	7.022E-02	7.096E-02	7.375E-02	7.715E-02	8.074E-02
WNW	4.974E-02	3.914E-02	3.335E-02	2.852E-02	9.749E-02	1.184E-01	9.427E-02	9.025E-02	9.133E-02	9.449E-02	9.860E-02	1.037E-01
NW	6.059E-02	5.793E-02	4.360E-02	3.640E-02	1.191E-01	1.365E-01	1.023E-01	9.371E-02	9.154E-02	9.210E-02	9.402E-02	9.663E-02
NNW	8.909E-02	7.617E-02	5.264E-02	4.184E-02	1.290E-01	1.399E-01	1.026E-01	9.273E-02	8.975E-02	8.966E-02	9.101E-02	9.308E-02

TOTAL DOSE COMMITMENT IS 1.502E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
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 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.456E-03	3.619E-03	2.542E-03	1.916E-03	5.827E-03	6.397E-03	4.782E-03	4.399E-03	4.321E-03	4.371E-03	4.482E-03	4.624E-03
NNE	8.354E-03	6.123E-03	3.502E-03	2.593E-03	7.160E-03	7.312E-03	5.175E-03	4.543E-03	4.307E-03	4.239E-03	4.273E-03	4.369E-03
NE	1.336E-02	8.095E-03	4.502E-03	3.209E-03	8.587E-03	8.659E-03	6.006E-03	5.145E-03	4.807E-03	4.698E-03	4.688E-03	4.731E-03
ENE	1.177E-02	8.590E-03	4.800E-03	3.209E-03	7.797E-03	7.277E-03	5.042E-03	4.423E-03	4.184E-03	4.108E-03	4.116E-03	4.168E-03
E	3.123E-03	3.859E-03	2.474E-03	1.848E-03	5.234E-03	5.445E-03	3.844E-03	3.341E-03	3.145E-03	3.095E-03	3.113E-03	3.161E-03
ESE	8.013E-04	1.049E-03	9.974E-04	8.636E-04	3.052E-03	3.764E-03	2.758E-03	2.357E-03	2.157E-03	2.052E-03	1.998E-03	1.980E-03
SE	8.379E-04	2.764E-04	2.120E-04	1.945E-04	8.158E-04	1.149E-03	9.043E-04	8.033E-04	7.566E-04	7.361E-04	7.301E-04	7.324E-04
SSE	8.513E-04	4.795E-04	1.573E-04	1.133E-04	2.777E-04	2.411E-04	1.609E-04	1.352E-04	1.223E-04	1.145E-04	1.094E-04	1.059E-04
S	1.224E-03	7.764E-04	5.282E-04	4.110E-04	1.128E-03	9.854E-04	6.574E-04	5.974E-04	5.995E-04	6.229E-04	6.545E-04	6.907E-04
SSW	1.317E-03	1.067E-03	8.963E-04	7.603E-04	2.563E-03	2.974E-03	2.198E-03	1.974E-03	1.913E-03	1.923E-03	1.982E-03	2.064E-03
SW	1.263E-03	1.139E-03	9.912E-04	8.676E-04	3.143E-03	3.991E-03	3.092E-03	2.831E-03	2.791E-03	2.843E-03	2.934E-03	3.045E-03
WSW	1.344E-03	1.135E-03	9.379E-04	7.883E-04	2.637E-03	3.160E-03	2.572E-03	2.518E-03	2.579E-03	2.686E-03	2.815E-03	2.952E-03
W	1.245E-03	1.088E-03	9.199E-04	7.853E-04	2.707E-03	3.416E-03	2.856E-03	2.824E-03	2.916E-03	3.078E-03	3.257E-03	3.439E-03
WNW	1.821E-03	1.431E-03	1.216E-03	1.039E-03	3.569E-03	4.454E-03	3.692E-03	3.644E-03	3.770E-03	3.963E-03	4.184E-03	4.439E-03
NW	2.209E-03	2.091E-03	1.576E-03	1.316E-03	4.329E-03	5.081E-03	3.943E-03	3.715E-03	3.710E-03	3.796E-03	3.927E-03	4.077E-03
NNW	3.205E-03	2.726E-03	1.889E-03	1.503E-03	4.662E-03	5.177E-03	3.926E-03	3.650E-03	3.612E-03	3.671E-03	3.776E-03	3.904E-03

TOTAL DOSE COMMITMENT IS 5.700E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
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TIME STEP NUMBER 7, 545,955,545,955.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	6.685E-02	4.434E-02	3.113E-02	2.345E-02	7.117E-02	7.747E-02	5.719E-02	5.207E-02	5.074E-02	5.100E-02	5.204E-02	5.348E-02
NNE	1.024E-01	7.504E-02	4.290E-02	3.175E-02	8.753E-02	8.877E-02	6.218E-02	5.407E-02	5.085E-02	4.973E-02	4.987E-02	5.077E-02
NE	1.638E-01	9.923E-02	5.517E-02	3.931E-02	1.050E-01	1.053E-01	7.240E-02	6.149E-02	5.701E-02	5.535E-02	5.493E-02	5.519E-02
ENE	1.443E-01	1.053E-01	5.883E-02	3.931E-02	9.538E-02	8.847E-02	6.070E-02	5.276E-02	4.953E-02	4.831E-02	4.814E-02	4.854E-02
E	3.826E-02	4.730E-02	3.031E-02	2.264E-02	6.402E-02	6.620E-02	4.629E-02	3.986E-02	3.722E-02	3.639E-02	3.640E-02	3.681E-02
ESE	9.803E-03	1.285E-02	1.222E-02	1.057E-02	3.733E-02	4.587E-02	3.339E-02	2.834E-02	2.577E-02	2.437E-02	2.361E-02	2.329E-02
SE	1.027E-02	3.383E-03	2.593E-03	2.380E-03	9.971E-03	1.397E-02	1.091E-02	9.615E-03	8.990E-03	8.693E-03	8.576E-03	8.565E-03
SSE	1.044E-02	5.878E-03	1.926E-03	1.387E-03	3.384E-03	2.904E-03	1.916E-03	1.599E-03	1.439E-03	1.342E-03	1.279E-03	1.234E-03
S	1.500E-02	9.513E-03	6.469E-03	5.030E-03	1.376E-02	1.185E-02	7.749E-03	6.943E-03	6.908E-03	7.138E-03	7.475E-03	7.872E-03
SSW	1.613E-02	1.307E-02	1.097E-02	9.300E-03	3.128E-02	3.598E-02	2.627E-02	2.332E-02	2.241E-02	2.237E-02	2.294E-02	2.381E-02
SW	1.545E-02	1.394E-02	1.212E-02	1.061E-02	3.833E-02	4.829E-02	3.696E-02	3.348E-02	3.272E-02	3.311E-02	3.400E-02	3.515E-02
WSW	1.645E-02	1.389E-02	1.147E-02	9.634E-03	3.213E-02	3.810E-02	3.057E-02	2.961E-02	3.008E-02	3.116E-02	3.251E-02	3.397E-02
W	1.523E-02	1.331E-02	1.125E-02	9.595E-03	3.296E-02	4.111E-02	3.386E-02	3.312E-02	3.393E-02	3.562E-02	3.754E-02	3.952E-02
WNW	2.228E-02	1.750E-02	1.487E-02	1.270E-02	4.347E-02	5.360E-02	4.373E-02	4.267E-02	4.380E-02	4.578E-02	4.814E-02	5.093E-02
NW	2.704E-02	2.560E-02	1.929E-02	1.610E-02	5.280E-02	6.135E-02	4.698E-02	4.380E-02	4.339E-02	4.413E-02	4.544E-02	4.701E-02
NNW	3.926E-02	3.339E-02	2.313E-02	1.840E-02	5.690E-02	6.262E-02	4.688E-02	4.313E-02	4.234E-02	4.277E-02	4.379E-02	4.510E-02

TOTAL DOSE COMMITMENT IS 6.827E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
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TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.735E-04	2.476E-04	1.736E-04	1.305E-04	3.922E-04	4.106E-04	2.853E-04	2.461E-04	2.292E-04	2.221E-04	2.201E-04	2.209E-04
NNE	5.732E-04	4.201E-04	2.397E-04	1.771E-04	4.843E-04	4.761E-04	3.172E-04	2.630E-04	2.370E-04	2.235E-04	2.175E-04	2.158E-04
NE	9.179E-04	5.559E-04	3.086E-04	2.196E-04	5.827E-04	5.695E-04	3.753E-04	3.053E-04	2.720E-04	2.550E-04	2.455E-04	2.403E-04
ENE	8.092E-04	5.903E-04	3.294E-04	2.197E-04	5.293E-04	4.772E-04	3.127E-04	2.597E-04	2.339E-04	2.201E-04	2.128E-04	2.091E-04
E	2.138E-04	2.648E-04	1.695E-04	1.264E-04	3.552E-04	3.575E-04	2.387E-04	1.962E-04	1.757E-04	1.657E-04	1.607E-04	1.584E-04
ESE	5.437E-05	7.160E-05	6.812E-05	5.893E-05	2.072E-04	2.501E-04	1.766E-04	1.451E-04	1.278E-04	1.172E-04	1.105E-04	1.063E-04
SE	5.742E-05	1.880E-05	1.439E-05	1.321E-05	5.510E-05	7.555E-05	5.680E-05	4.814E-05	4.337E-05	4.056E-05	3.885E-05	3.782E-05
SSE	5.856E-05	3.293E-05	1.075E-05	7.702E-06	1.845E-05	1.498E-05	9.362E-06	7.534E-06	6.592E-06	6.013E-06	5.620E-06	5.336E-06
S	8.402E-05	5.319E-05	3.608E-05	2.798E-05	7.543E-05	6.089E-05	3.580E-05	2.955E-05	2.783E-05	2.776E-05	2.840E-05	2.945E-05
SSW	8.987E-05	7.273E-05	6.098E-05	5.158E-05	1.717E-04	1.901E-04	1.304E-04	1.092E-04	9.987E-05	9.584E-05	9.529E-05	9.649E-05
SW	8.571E-05	7.735E-05	6.720E-05	5.867E-05	2.100E-04	2.548E-04	1.837E-04	1.574E-04	1.466E-04	1.427E-04	1.421E-04	1.433E-04
WSW	9.137E-05	7.710E-05	6.357E-05	5.324E-05	1.752E-04	1.976E-04	1.477E-04	1.349E-04	1.309E-04	1.309E-04	1.329E-04	1.359E-04
W	8.444E-05	7.382E-05	6.225E-05	5.294E-05	1.792E-04	2.114E-04	1.613E-04	1.486E-04	1.456E-04	1.477E-04	1.517E-04	1.565E-04
WNW	1.237E-04	9.708E-05	8.235E-05	7.014E-05	2.365E-04	2.755E-04	2.074E-04	1.900E-04	1.860E-04	1.878E-04	1.924E-04	1.995E-04
NW	1.503E-04	1.425E-04	1.071E-04	8.918E-05	2.889E-04	3.208E-04	2.298E-04	2.025E-04	1.917E-04	1.881E-04	1.883E-04	1.905E-04
NNW	2.189E-04	1.863E-04	1.288E-04	1.022E-04	3.128E-04	3.299E-04	2.319E-04	2.020E-04	1.897E-04	1.848E-04	1.839E-04	1.851E-04

TOTAL DOSE COMMITMENT IS 3.430E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
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TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.133E-03	3.401E-03	2.383E-03	1.789E-03	5.348E-03	5.474E-03	3.663E-03	3.045E-03	2.743E-03	2.582E-03	2.496E-03	2.453E-03
NNE	7.888E-03	5.782E-03	3.295E-03	2.432E-03	6.620E-03	6.392E-03	4.133E-03	3.321E-03	2.904E-03	2.665E-03	2.530E-03	2.458E-03
NE	1.264E-02	7.655E-03	4.246E-03	3.017E-03	7.978E-03	7.684E-03	4.938E-03	3.909E-03	3.389E-03	3.097E-03	2.913E-03	2.793E-03
ENE	1.115E-02	8.133E-03	4.534E-03	3.022E-03	7.247E-03	6.430E-03	4.099E-03	3.306E-03	2.893E-03	2.652E-03	2.503E-03	2.408E-03
E	2.939E-03	3.645E-03	2.331E-03	1.737E-03	4.862E-03	4.819E-03	3.130E-03	2.498E-03	2.173E-03	1.995E-03	1.889E-03	1.823E-03
ESE	7.426E-04	9.819E-04	9.347E-04	8.083E-04	2.835E-03	3.390E-03	2.353E-03	1.894E-03	1.634E-03	1.469E-03	1.358E-03	1.283E-03
SE	7.896E-04	2.572E-04	1.968E-04	1.806E-04	7.521E-04	1.019E-03	7.493E-04	6.196E-04	5.446E-04	4.973E-04	4.660E-04	4.446E-04
SSE	8.072E-04	4.536E-04	1.476E-04	1.056E-04	2.503E-04	1.967E-04	1.186E-04	9.302E-05	7.974E-05	7.149E-05	6.581E-05	6.164E-05
S	1.157E-03	7.316E-04	4.956E-04	3.837E-04	1.026E-03	7.970E-04	4.359E-04	3.368E-04	3.018E-04	2.907E-04	2.902E-04	2.959E-04
SSW	1.232E-03	9.970E-04	8.352E-04	7.057E-04	2.337E-03	2.529E-03	1.668E-03	1.342E-03	1.183E-03	1.099E-03	1.063E-03	1.052E-03
SW	1.171E-03	1.058E-03	9.183E-04	8.010E-04	2.852E-03	3.388E-03	2.353E-03	1.939E-03	1.743E-03	1.644E-03	1.594E-03	1.573E-03
WSW	1.250E-03	1.055E-03	8.690E-04	7.265E-04	2.373E-03	2.600E-03	1.856E-03	1.625E-03	1.520E-03	1.475E-03	1.461E-03	1.465E-03
W	1.153E-03	1.009E-03	8.501E-04	7.218E-04	2.423E-03	2.766E-03	2.007E-03	1.770E-03	1.670E-03	1.645E-03	1.650E-03	1.670E-03
WNW	1.691E-03	1.327E-03	1.125E-03	9.566E-04	3.200E-03	3.604E-03	2.573E-03	2.248E-03	2.116E-03	2.071E-03	2.070E-03	2.105E-03
NW	2.057E-03	1.953E-03	1.466E-03	1.219E-03	3.923E-03	4.242E-03	2.913E-03	2.466E-03	2.254E-03	2.147E-03	2.096E-03	2.077E-03
NNW	3.004E-03	2.558E-03	1.766E-03	1.400E-03	4.259E-03	4.384E-03	2.962E-03	2.485E-03	2.255E-03	2.135E-03	2.072E-03	2.043E-03

TOTAL DOSE COMMITMENT IS 4.425E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 7, 545,955,545,955.

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 7--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	6.021E-02	6.723E-01	1.982E-01	8.191E-02	4.365E-02	3.342E+00
GROUND	4.817E-02	4.817E-02	4.817E-02	4.817E-02	4.817E-02	4.817E-02
CLOUD	2.886E-02	2.886E-02	2.886E-02	2.886E-02	2.886E-02	2.886E-02
VEG. ING	6.367E-01	7.513E+00	6.367E-01	2.022E+00	1.618E+00	6.367E-01
MEAT ING	2.420E-02	2.899E-01	2.420E-02	8.056E-02	6.475E-02	2.420E-02
MILK ING	1.802E-02	2.325E-01	1.802E-02	4.399E-02	3.672E-02	1.802E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	8.162E-01	8.785E+00	9.542E-01	2.305E+00	1.840E+00	4.098E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	6.367E-01	7.512E+00	6.367E-01	2.022E+00	1.618E+00	6.367E-01
MEAT ING	5.458E-01	6.537E+00	5.458E-01	1.817E+00	1.460E+00	5.458E-01
MILK ING	1.628E-02	2.100E-01	1.628E-02	3.972E-02	3.316E-02	1.628E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.199E+00	1.426E+01	1.199E+00	3.878E+00	3.111E+00	1.199E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	6.021E-02	6.723E-01	1.982E-01	8.191E-02	4.365E-02	3.342E+00
GROUND	4.817E-02	4.817E-02	4.817E-02	4.817E-02	4.817E-02	4.817E-02
CLOUD	2.886E-02	2.886E-02	2.886E-02	2.886E-02	2.886E-02	2.886E-02
VEG. ING	1.273E+00	1.502E+01	1.273E+00	4.044E+00	3.236E+00	1.273E+00
MEAT ING	5.700E-01	6.827E+00	5.700E-01	1.897E+00	1.525E+00	5.700E-01
MILK ING	3.430E-02	4.425E-01	3.430E-02	8.371E-02	6.989E-02	3.430E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.015E+00	2.304E+01	2.153E+00	6.184E+00	4.952E+00	5.297E+00



NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	9.494E-07	1.314E-05	1.314E-05	1.311E-05	3.779E+01	8.450E+01	8.413E+01	8.413E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		9.494E-07	1.314E-05	1.314E-05	1.311E-05	3.779E+01	8.450E+01	8.413E+01	8.413E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	8.799E-04	8.548E-03	8.546E-03	8.527E-03	3.067E+05	3.361E+05	3.345E+05	3.345E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		8.799E-04	8.548E-03	8.546E-03	8.527E-03	3.067E+05	3.361E+05	3.345E+05	3.345E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	3.859E-04	5.418E-03	5.417E-03	5.405E-03	9.740E+03	2.901E+04	2.889E+04	2.889E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.859E-04	5.418E-03	5.417E-03	5.405E-03	9.740E+03	2.901E+04	2.889E+04	2.889E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	3.064E-04	4.303E-03	4.303E-03	4.293E-03	7.668E+03	2.298E+04	2.288E+04	2.288E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.064E-04	4.303E-03	4.303E-03	4.293E-03	7.668E+03	2.298E+04	2.288E+04	2.288E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	3.724E-04	4.826E-03	4.826E-03	4.815E-03	3.944E+04	5.649E+04	5.623E+04	5.623E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.724E-04	4.826E-03	4.826E-03	4.815E-03	3.944E+04	5.649E+04	5.623E+04	5.623E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	8.155E-04	1.042E-02	1.042E-02	1.040E-02	9.719E+04	1.340E+05	1.334E+05	1.334E+05
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		8.155E-04	1.042E-02	1.042E-02	1.040E-02	9.719E+04	1.340E+05	1.334E+05	1.334E+05
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	4.825E-04	6.792E-03	6.792E-03	6.776E-03	1.090E+04	3.507E+04	3.492E+04	3.492E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		4.825E-04	6.792E-03	6.792E-03	6.776E-03	1.090E+04	3.507E+04	3.492E+04	3.492E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	3.522E-04	4.727E-03	4.726E-03	4.715E-03	2.525E+04	4.201E+04	4.182E+04	4.182E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.522E-04	4.727E-03	4.726E-03	4.715E-03	2.525E+04	4.201E+04	4.182E+04	4.182E+04



		INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2				
		AIRBORNE CONCENTRATIONS, PCI/M3								
NO.	NAME	PTSZ	U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	4.766E-04	5.683E-03	5.682E-03	5.669E-03	8.739E+04	1.073E+05	1.068E+05	1.068E+05
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		4.766E-04	5.683E-03	5.682E-03	5.669E-03	8.739E+04	1.073E+05	1.068E+05	1.068E+05
10	Ballroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Ballroil	2	9.541E-07	1.322E-05	1.322E-05	1.319E-05	3.717E+01	8.414E+01	8.378E+01	8.378E+01
10	Ballroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Ballroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		9.541E-07	1.322E-05	1.322E-05	1.319E-05	3.717E+01	8.414E+01	8.378E+01	8.378E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	8.290E-07	1.145E-05	1.145E-05	1.142E-05	3.524E+01	7.591E+01	7.558E+01	7.558E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		8.290E-07	1.145E-05	1.145E-05	1.142E-05	3.524E+01	7.591E+01	7.558E+01	7.558E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	1.727E-07	2.387E-06	2.387E-06	2.381E-06	7.183E+00	1.566E+01	1.560E+01	1.560E+01
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.727E-07	2.387E-06	2.387E-06	2.381E-06	7.183E+00	1.566E+01	1.560E+01	1.560E+01
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	1.245E-03	1.767E-02	1.767E-02	1.763E-02	1.773E+04	8.064E+04	8.031E+04	8.031E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.245E-03	1.767E-02	1.767E-02	1.763E-02	1.773E+04	8.064E+04	8.031E+04	8.031E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.749E-04	3.866E-03	3.865E-03	3.857E-03	6.429E+03	2.018E+04	2.010E+04	2.010E+04
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.749E-04	3.866E-03	3.865E-03	3.857E-03	6.429E+03	2.018E+04	2.010E+04	2.010E+04

NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS							GROUND CONCENTRATIONS, PCI/M2				
	AIRBORNE CONCENTRATIONS, PCI/M3							Po-218	Pb-214	Bi-214	Pb-210	
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.108E+00	1.109E+00	1.074E+00	1.026E+00	2.546E-05	6.854E-07	4.803E-10	1.041E-05	8.781E-01	8.781E-01	8.781E-01	4.423E+01
2	1.687E+02	1.517E+02	5.033E+01	1.506E+01	7.074E-06	4.005E-09	6.554E-14	4.676E-04	1.201E+02	1.201E+02	1.201E+02	1.055E+01
3	8.526E+01	7.593E+01	2.645E+01	8.835E+00	4.887E-06	3.237E-09	6.166E-14	2.452E-04	6.014E+01	6.014E+01	6.014E+01	7.288E+00
4	6.622E+01	5.021E+01	1.342E+01	3.933E+00	1.891E-06	1.101E-09	1.852E-14	1.344E-04	3.977E+01	3.977E+01	3.977E+01	3.108E+00
5	7.900E+01	7.252E+01	2.948E+01	1.137E+01	7.596E-06	5.989E-09	1.348E-13	2.666E-04	5.744E+01	5.744E+01	5.744E+01	1.133E+01
6	1.601E+02	1.348E+02	3.378E+01	7.673E+00	2.582E-06	1.066E-09	1.286E-14	3.387E-04	1.068E+02	1.068E+02	1.068E+02	3.850E+00
7	1.089E+02	9.534E+01	3.026E+01	9.154E+00	4.446E-06	2.605E-09	4.407E-14	2.857E-04	7.551E+01	7.551E+01	7.551E+01	6.630E+00
8	7.624E+01	6.925E+01	2.655E+01	9.756E+00	6.132E-06	4.576E-09	9.776E-14	2.423E-04	5.485E+01	5.485E+01	5.485E+01	9.144E+00
9	1.002E+02	9.227E+01	3.662E+01	1.335E+01	8.153E-06	5.907E-09	1.227E-13	3.305E-04	7.308E+01	7.308E+01	7.308E+01	1.216E+01
10	1.173E+00	1.174E+00	1.151E+00	1.115E+00	3.513E-05	1.210E-06	1.096E-09	1.121E-05	9.298E-01	9.298E-01	9.298E-01	6.134E+01
11	4.531E-01	4.534E-01	4.517E-01	4.466E-01	2.132E-05	1.070E-06	1.422E-09	4.423E-06	3.591E-01	3.591E-01	3.591E-01	3.372E+01
12	1.885E-01	1.886E-01	1.877E-01	1.852E-01	9.539E-06	5.778E-07	9.585E-10	1.837E-06	1.494E-01	1.494E-01	1.494E-01	1.619E+01
13	2.600E+02	1.810E+02	3.285E+01	5.918E+00	1.556E-06	5.095E-10	4.903E-15	3.750E-04	1.434E+02	1.434E+02	1.434E+02	2.688E+00
14	7.440E+01	6.770E+01	3.045E+01	1.469E+01	1.451E-05	1.657E-08	5.329E-13	2.789E-04	5.362E+01	5.362E+01	5.362E+01	2.256E+01



REGION: Sweetwater Uranium Facil  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cifr.in  
TIME STEP NUMBER 7, 545,955,545,955,

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DURATION IN YRS IS... 3.0

NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	9.49E-07	9.49E-07	1.31E-05	1.31E-05	1.04E-05	3.86E-05	1.38E-05	1.31E-05
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	1.90E-07	2.37E-07	1.64E-04	6.57E-06	3.13E-04	9.64E-06	6.90E-08	1.87E-06

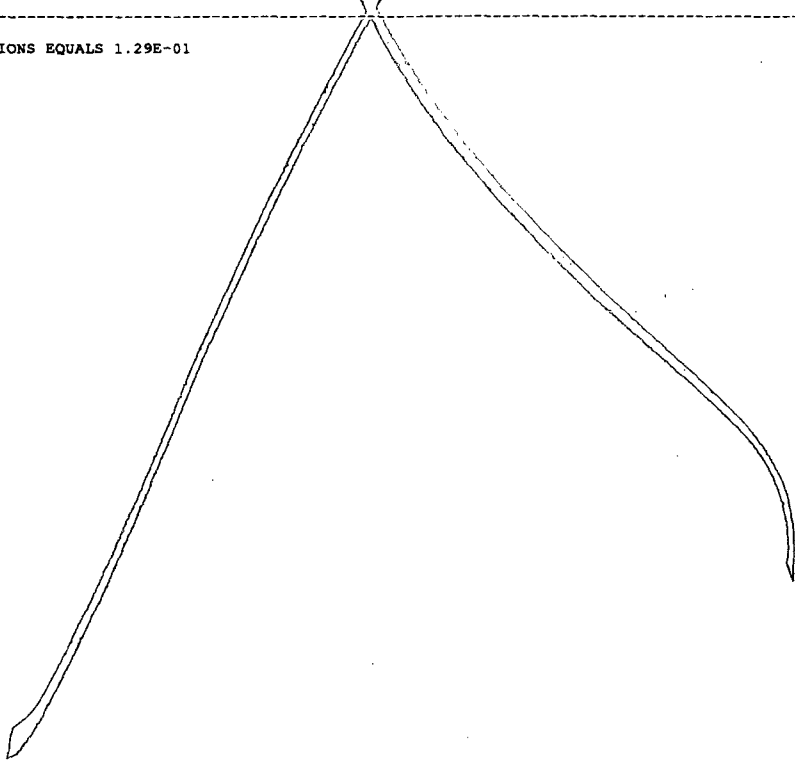
SUM OF FRACTIONS EQUALS 4.96E-04

NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.80E-04	8.80E-04	8.55E-03	8.55E-03	4.68E-04	8.53E-03	8.53E-03	8.53E-03
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	1.76E-04	2.20E-04	1.07E-01	4.27E-03	1.40E-02	2.13E-03	4.26E-05	1.22E-03

SUM OF FRACTIONS EQUALS 1.29E-01



REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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DURATION IN YRS IS ...

TIME STEP NUMBER 7, Cells 1-5 closed, 6 full

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 1 NAME=Nearest Resident X= 28.0KM Y= 0.0KM Z= 73.9M DIST= 28.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	9.49E-07	9.49E-07	1.31E-05	1.31E-05	1.04E-05	3.86E-05	1.38E-05	1.31E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.58E-05	1.90E-05	4.37E-04	1.46E-05	9.45E-03	6.43E-05	3.45E-07	1.46E-05

SUM OF FRACTIONS EQUALS 1.00E-02

NUMBER 2 NAME= N Permit Area Boun X= 0.0KM Y= 0.3KM Z= 6.9M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.80E-04	8.80E-04	8.55E-03	8.55E-03	4.68E-04	8.53E-03	8.53E-03	8.53E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.47E-02	1.76E-02	2.85E-01	9.50E-03	4.25E-01	1.42E-02	2.13E-04	9.48E-03

SUM OF FRACTIONS EQUALS 7.76E-01

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 7, Cells 1-5 closed, 6 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 3 NAME= S Permit Area Boun X= 0.0KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.86E-04	3.86E-04	5.42E-03	5.42E-03	2.45E-04	5.41E-03	5.40E-03	5.40E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	6.43E-03	7.72E-03	1.81E-01	6.02E-03	2.23E-01	9.02E-03	1.35E-04	6.00E-03

SUM OF FRACTIONS EQUALS 4.39E-01

NUMBER 4 NAME= E Permit Area Boun X= 1.9KM Y= 0.0KM Z= -0.8M DIST= 1.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.06E-04	3.06E-04	4.30E-03	4.30E-03	1.34E-04	4.29E-03	4.29E-03	4.29E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.10E-03	6.12E-03	1.43E-01	4.78E-03	1.22E-01	7.15E-03	1.07E-04	4.77E-03

SUM OF FRACTIONS EQUALS 2.93E-01



REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 7, Cells 1-5 closed, 6 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 5 NAME= W Permit Area Boun X= -0.3KM Y= 0.0KM Z= -3.8M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.72E-04	3.72E-04	4.83E-03	4.83E-03	2.67E-04	4.82E-03	4.81E-03	4.81E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	6.20E-03	7.44E-03	1.61E-01	5.37E-03	2.43E-01	8.03E-03	1.20E-04	5.34E-03

SUM OF FRACTIONS EQUALS 4.36E-01

NUMBER 6 NAME= NE Permit Area Boun X= 0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.15E-04	8.15E-04	1.04E-02	1.04E-02	3.39E-04	1.04E-02	1.04E-02	1.04E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.36E-02	1.63E-02	3.47E-01	1.16E-02	3.08E-01	1.73E-02	2.60E-04	1.16E-02

SUM OF FRACTIONS EQUALS 7.25E-01

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 7, Cells 1-5 closed, 6 full

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 7 NAME= SE Permit Area Boun X= 0.2KM Y= -0.2KM Z= -0.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	4.83E-04	4.83E-04	6.79E-03	6.79E-03	2.86E-04	6.78E-03	6.78E-03	6.78E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	8.05E-03	9.66E-03	2.26E-01	7.54E-03	2.60E-01	1.13E-02	1.70E-04	7.53E-03

SUM OF FRACTIONS EQUALS 5.31E-01

NUMBER 8 NAME= SW Permit Area Boun X= -0.2KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.52E-04	3.52E-04	4.73E-03	4.73E-03	2.42E-04	4.72E-03	4.72E-03	4.72E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.87E-03	7.04E-03	1.58E-01	5.26E-03	2.20E-01	7.87E-03	1.18E-04	5.24E-03

SUM OF FRACTIONS EQUALS 4.09E-01

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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TIME STEP NUMBER 7, Cells 1-5 closed, 6 full

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 9 NAME= NW Permit Area Boun X= -0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	4.77E-04	4.77E-04	5.68E-03	5.68E-03	3.31E-04	5.68E-03	5.67E-03	5.67E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	7.95E-03	9.54E-03	1.89E-01	6.31E-03	3.01E-01	9.47E-03	1.42E-04	6.30E-03
SUM OF FRACTIONS EQUALS	5.30E-01							

NUMBER 10 NAME= Baroil X= 28.6KM Y= 21.6KM Z= 107.4M DIST= 35.8KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	9.54E-07	9.54E-07	1.32E-05	1.32E-05	1.12E-05	4.83E-05	1.44E-05	1.32E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.59E-05	1.91E-05	4.40E-04	1.47E-05	1.02E-02	8.05E-05	3.60E-07	1.47E-05
SUM OF FRACTIONS EQUALS	1.08E-02							

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 7, Cells 1-5 closed, 6 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 11 NAME= Jeffrey City X= 7.0KM Y= 49.5KM Z= -75.4M DIST= 50.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.29E-07	8.29E-07	1.14E-05	1.14E-05	4.42E-06	3.27E-05	1.25E-05	1.14E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.38E-05	1.66E-05	3.80E-04	1.27E-05	4.02E-03	5.45E-05	3.13E-07	1.27E-05

SUM OF FRACTIONS EQUALS 4.51E-03

NUMBER 12 NAME= Rawlins X= 54.6KM Y= -27.9KM Z= 37.0M DIST= 61.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.73E-07	1.73E-07	2.39E-06	2.39E-06	1.84E-06	1.19E-05	2.96E-06	2.38E-06
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.88E-06	3.46E-06	7.97E-05	2.66E-06	1.67E-03	1.98E-05	7.40E-08	2.64E-06

SUM OF FRACTIONS EQUALS 1.78E-03

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 7, Cells 1-5 closed, 6 full

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 13 NAME= Special Receptor #1 X= 1.4KM Y= 1.0KM Z= 0.8M DIST= 1.7KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.25E-03	1.25E-03	1.77E-02	1.77E-02	3.75E-04	1.76E-02	1.76E-02	1.76E-02
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.08E-02	2.50E-02	5.90E-01	1.97E-02	3.41E-01	2.93E-02	4.40E-04	1.96E-02

SUM OF FRACTIONS EQUALS 1.05E+00

NUMBER 14 NAME= Special Receptor #2 X= 2.0KM Y= 2.1KM Z= 0.8M DIST= 2.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.75E-04	2.75E-04	3.87E-03	3.87E-03	2.79E-04	3.87E-03	3.86E-03	3.86E-03
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.58E-03	5.50E-03	1.29E-01	4.30E-03	2.54E-01	6.45E-03	9.65E-05	4.29E-03

SUM OF FRACTIONS EQUALS 4.08E-01

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.801E-05	4.093E-05	4.070E-05	4.070E-05	3.528E+01	3.268E+01	1.376E+01	5.442E+00	3.746E-06	1.237E-04
2.5	7.171E-06	1.627E-05	1.618E-05	1.618E-05	1.668E+01	1.597E+01	8.870E+00	4.941E+00	6.049E-06	7.985E-05
3.5	3.791E-06	8.325E-06	8.279E-06	8.279E-06	9.804E+00	9.576E+00	6.281E+00	4.283E+00	8.296E-06	5.768E-05
4.5	2.317E-06	4.949E-06	4.921E-06	4.921E-06	6.554E+00	6.471E+00	4.691E+00	3.583E+00	9.946E-06	4.381E-05
7.5	8.284E-07	1.760E-06	1.751E-06	1.751E-06	3.147E+00	3.140E+00	2.618E+00	2.267E+00	1.301E-05	2.496E-05
15.0	2.021E-07	4.284E-07	4.260E-07	4.260E-07	1.141E+00	1.142E+00	1.064E+00	9.864E-01	1.366E-05	1.025E-05
25.0	7.374E-08	1.561E-07	1.552E-07	1.552E-07	5.430E-01	5.434E-01	5.303E-01	5.120E-01	1.263E-05	5.158E-06
35.0	3.922E-08	8.304E-08	8.258E-08	8.258E-08	3.362E-01	3.364E-01	3.337E-01	3.282E-01	1.182E-05	3.262E-06
45.0	2.445E-08	5.177E-08	5.148E-08	5.148E-08	2.343E-01	2.345E-01	2.341E-01	2.324E-01	1.111E-05	2.295E-06
55.0	1.673E-08	3.544E-08	3.524E-08	3.524E-08	1.751E-01	1.753E-01	1.755E-01	1.750E-01	1.051E-05	1.723E-06
65.0	1.218E-08	2.580E-08	2.566E-08	2.566E-08	1.371E-01	1.371E-01	1.376E-01	1.376E-01	9.999E-06	1.352E-06
75.0	9.260E-09	1.964E-08	1.953E-08	1.953E-08	1.108E-01	1.109E-01	1.113E-01	1.115E-01	9.552E-06	1.094E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.801E+04	4.093E+04	4.070E+04	4.070E+04	0.000E+00	4.073E+04	4.073E+04	4.073E+04	1.808E+01
2.5	7.171E+03	1.627E+04	1.618E+04	1.618E+04	0.000E+00	1.620E+04	1.620E+04	1.620E+04	2.950E+01
3.5	3.791E+03	8.325E+03	8.279E+03	8.279E+03	0.000E+00	8.286E+03	8.286E+03	8.286E+03	4.053E+01
4.5	2.317E+03	4.949E+03	4.921E+03	4.921E+03	0.000E+00	4.926E+03	4.926E+03	4.926E+03	4.861E+01
7.5	8.284E+02	1.760E+03	1.751E+03	1.751E+03	0.000E+00	1.753E+03	1.753E+03	1.753E+03	6.368E+01
15.0	2.021E+02	4.284E+02	4.260E+02	4.260E+02	0.000E+00	4.269E+02	4.269E+02	4.269E+02	6.776E+01
25.0	7.374E+01	1.561E+02	1.552E+02	1.552E+02	0.000E+00	1.557E+02	1.557E+02	1.557E+02	6.361E+01
35.0	3.922E+01	8.304E+01	8.258E+01	8.258E+01	0.000E+00	8.284E+01	8.284E+01	8.284E+01	6.017E+01
45.0	2.445E+01	5.177E+01	5.148E+01	5.148E+01	0.000E+00	5.167E+01	5.167E+01	5.167E+01	5.704E+01
55.0	1.673E+01	3.544E+01	3.524E+01	3.524E+01	0.000E+00	3.538E+01	3.538E+01	3.538E+01	5.429E+01
65.0	1.218E+01	2.580E+01	2.566E+01	2.566E+01	0.000E+00	2.577E+01	2.577E+01	2.577E+01	5.189E+01
75.0	9.260E+00	1.964E+01	1.953E+01	1.953E+01	0.000E+00	1.962E+01	1.962E+01	1.962E+01	4.976E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.801E-07	4.093E-07	4.070E-07	4.183E-07
2.5	7.171E-08	1.627E-07	1.618E-07	1.800E-07
3.5	3.791E-08	8.325E-08	8.279E-08	1.077E-07
4.5	2.317E-08	4.949E-08	4.921E-08	7.905E-08
7.5	8.284E-09	1.760E-08	1.751E-08	5.652E-08
15.0	2.021E-09	4.284E-09	4.260E-09	4.524E-08
25.0	7.374E-10	1.561E-09	1.552E-09	3.945E-08
35.0	3.922E-10	8.304E-10	8.258E-10	3.627E-08
45.0	2.445E-10	5.177E-10	5.148E-10	3.385E-08
55.0	1.673E-10	3.544E-10	3.524E-10	3.189E-08
65.0	1.218E-10	2.580E-10	2.566E-10	3.025E-08
75.0	9.260E-11	1.964E-10	1.953E-10	2.885E-08

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE ENE DIRECTION, THETA EQUALS 67.5 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.662E-05	6.835E-05	6.799E-05	6.799E-05	6.270E+01	3.434E+01	3.991E+00	4.797E-01	8.151E-08	5.739E-05
2.5	7.342E-06	2.997E-05	2.981E-05	2.981E-05	3.277E+01	2.803E+01	9.973E+00	3.744E+00	2.494E-06	9.340E-05
3.5	3.817E-06	1.275E-05	1.268E-05	1.268E-05	1.557E+01	1.453E+01	7.332E+00	4.097E+00	5.409E-06	6.742E-05
4.5	2.339E-06	6.931E-06	6.893E-06	6.893E-06	9.254E+00	8.929E+00	5.360E+00	3.610E+00	7.545E-06	4.984E-05
7.5	8.567E-07	2.152E-06	2.140E-06	2.140E-06	3.506E+00	3.483E+00	2.616E+00	2.124E+00	1.035E-05	2.477E-05
15.0	2.197E-07	4.940E-07	4.912E-07	4.912E-07	1.077E+00	1.078E+00	9.608E-01	8.564E-01	1.057E-05	9.176E-06
25.0	8.235E-08	1.801E-07	1.791E-07	1.791E-07	4.921E-01	4.924E-01	4.711E-01	4.448E-01	9.760E-06	4.554E-06
35.0	4.406E-08	9.607E-08	9.553E-08	9.553E-08	3.043E-01	3.044E-01	2.988E-01	2.900E-01	9.250E-06	2.910E-06
45.0	2.753E-08	5.996E-08	5.963E-08	5.963E-08	2.122E-01	2.123E-01	2.107E-01	2.074E-01	8.769E-06	2.061E-06
55.0	1.885E-08	4.106E-08	4.083E-08	4.083E-08	1.587E-01	1.588E-01	1.585E-01	1.572E-01	8.340E-06	1.553E-06
65.0	1.372E-08	2.991E-08	2.974E-08	2.974E-08	1.243E-01	1.244E-01	1.245E-01	1.240E-01	7.960E-06	1.222E-06
75.0	1.044E-08	2.277E-08	2.264E-08	2.264E-08	1.006E-01	1.006E-01	1.009E-01	1.008E-01	7.622E-06	9.911E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.662E+04	6.835E+04	6.799E+04	6.799E+04	0.000E+00	6.801E+04	6.801E+04	6.801E+04	6.117E-01
2.5	7.342E+03	2.997E+04	2.981E+04	2.981E+04	0.000E+00	2.983E+04	2.983E+04	2.983E+04	1.238E+01
3.5	3.817E+03	1.275E+04	1.268E+04	1.268E+04	0.000E+00	1.269E+04	1.269E+04	1.269E+04	2.645E+01
4.5	2.339E+03	6.931E+03	6.893E+03	6.893E+03	0.000E+00	6.900E+03	6.900E+03	6.900E+03	3.677E+01
7.5	8.567E+02	2.152E+03	2.140E+03	2.140E+03	0.000E+00	2.143E+03	2.143E+03	2.143E+03	5.056E+01
15.0	2.197E+02	4.940E+02	4.912E+02	4.912E+02	0.000E+00	4.921E+02	4.921E+02	4.921E+02	5.244E+01
25.0	8.235E+01	1.801E+02	1.791E+02	1.791E+02	0.000E+00	1.795E+02	1.795E+02	1.795E+02	4.917E+01
35.0	4.406E+01	9.607E+01	9.553E+01	9.553E+01	0.000E+00	9.577E+01	9.577E+01	9.577E+01	4.709E+01
45.0	2.753E+01	5.996E+01	5.963E+01	5.963E+01	0.000E+00	5.980E+01	5.980E+01	5.980E+01	4.497E+01
55.0	1.885E+01	4.106E+01	4.083E+01	4.083E+01	0.000E+00	4.096E+01	4.096E+01	4.096E+01	4.301E+01
65.0	1.372E+01	2.991E+01	2.974E+01	2.974E+01	0.000E+00	2.984E+01	2.984E+01	2.984E+01	4.123E+01
75.0	1.044E+01	2.277E+01	2.264E+01	2.264E+01	0.000E+00	2.272E+01	2.272E+01	2.272E+01	3.962E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.662E-07	6.835E-07	6.799E-07	6.801E-07
2.5	7.342E-08	2.997E-07	2.981E-07	3.056E-07
3.5	3.817E-08	1.275E-07	1.268E-07	1.430E-07
4.5	2.339E-08	6.931E-08	6.893E-08	9.157E-08
7.5	8.567E-09	2.152E-08	2.140E-08	5.246E-08
15.0	2.197E-09	4.940E-09	4.912E-09	3.664E-08
25.0	8.235E-10	1.801E-09	1.791E-09	3.107E-08
35.0	4.406E-10	9.607E-10	9.553E-10	2.871E-08
45.0	2.753E-10	5.996E-10	5.963E-10	2.690E-08
55.0	1.885E-10	4.106E-10	4.083E-10	2.543E-08
65.0	1.372E-10	2.991E-10	2.974E-10	2.418E-08
75.0	1.044E-10	2.277E-10	2.264E-10	2.309E-08

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.017E-05	2.331E-05	2.318E-05	2.318E-05	1.639E+01	1.071E+01	1.979E+00	3.914E-01	1.167E-07	2.252E-05
2.5	4.951E-06	1.495E-05	1.487E-05	1.487E-05	1.471E+01	1.248E+01	4.566E+00	1.881E+00	1.469E-06	4.302E-05
3.5	2.709E-06	7.236E-06	7.196E-06	7.196E-06	7.869E+00	7.300E+00	3.627E+00	2.085E+00	3.008E-06	3.369E-05
4.5	1.705E-06	4.314E-06	4.290E-06	4.290E-06	5.189E+00	4.993E+00	2.928E+00	1.982E+00	4.390E-06	2.738E-05
7.5	6.434E-07	1.507E-06	1.498E-06	1.498E-06	2.287E+00	2.271E+00	1.678E+00	1.349E+00	6.707E-06	1.988E-05
15.0	1.678E-07	3.734E-07	3.713E-07	3.713E-07	7.935E-01	7.938E-01	7.057E-01	6.263E-01	7.689E-06	6.732E-06
25.0	6.309E-08	1.378E-07	1.371E-07	1.371E-07	3.733E-01	3.735E-01	3.578E-01	3.377E-01	7.358E-06	3.458E-06
35.0	3.372E-08	7.300E-08	7.260E-08	7.260E-08	2.297E-01	2.298E-01	2.260E-01	2.195E-01	6.974E-06	2.201E-06
45.0	2.105E-08	4.534E-08	4.509E-08	4.509E-08	1.596E-01	1.597E-01	1.588E-01	1.565E-01	6.607E-06	1.553E-06
55.0	1.441E-08	3.106E-08	3.089E-08	3.089E-08	1.196E-01	1.197E-01	1.196E-01	1.188E-01	6.304E-06	1.173E-06
65.0	1.050E-08	2.267E-08	2.254E-08	2.254E-08	9.402E-02	9.408E-02	9.425E-02	9.400E-02	6.039E-06	9.254E-07
75.0	7.987E-09	1.727E-08	1.718E-08	1.718E-08	7.626E-02	7.631E-02	7.656E-02	7.655E-02	5.798E-06	7.523E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.017E+04	2.331E+04	2.318E+04	2.318E+04	0.000E+00	2.319E+04	2.319E+04	2.319E+04	7.068E-01	
2.5	4.951E+03	1.495E+04	1.487E+04	1.487E+04	0.000E+00	1.488E+04	1.488E+04	1.488E+04	7.321E+00	
3.5	2.709E+03	7.236E+03	7.196E+03	7.196E+03	0.000E+00	7.202E+03	7.202E+03	7.202E+03	1.476E+01	
4.5	1.705E+03	4.314E+03	4.290E+03	4.290E+03	0.000E+00	4.294E+03	4.294E+03	4.294E+03	2.143E+01	
7.5	6.434E+02	1.507E+03	1.498E+03	1.498E+03	0.000E+00	1.500E+03	1.500E+03	1.500E+03	3.273E+01	
15.0	1.678E+02	3.734E+02	3.713E+02	3.713E+02	0.000E+00	3.719E+02	3.719E+02	3.719E+02	3.804E+01	
25.0	6.309E+01	1.378E+02	1.371E+02	1.371E+02	0.000E+00	1.374E+02	1.374E+02	1.374E+02	3.699E+01	
35.0	3.372E+01	7.300E+01	7.260E+01	7.260E+01	0.000E+00	7.278E+01	7.278E+01	7.278E+01	3.545E+01	
45.0	2.105E+01	4.534E+01	4.509E+01	4.509E+01	0.000E+00	4.522E+01	4.522E+01	4.522E+01	3.386E+01	
55.0	1.441E+01	3.106E+01	3.089E+01	3.089E+01	0.000E+00	3.098E+01	3.098E+01	3.098E+01	3.248E+01	
65.0	1.050E+01	2.267E+01	2.254E+01	2.254E+01	0.000E+00	2.261E+01	2.261E+01	2.261E+01	3.125E+01	
75.0	7.987E+00	1.727E+01	1.718E+01	1.718E+01	0.000E+00	1.724E+01	1.724E+01	1.724E+01	3.011E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.017E-07	2.331E-07	2.318E-07	2.322E-07
2.5	4.951E-08	1.495E-07	1.487E-07	1.531E-07
3.5	2.709E-08	7.236E-08	7.196E-08	8.099E-08
4.5	1.705E-08	4.314E-08	4.290E-08	5.607E-08
7.5	6.434E-09	1.507E-08	1.498E-08	3.510E-08
15.0	1.678E-09	3.734E-09	3.713E-09	2.678E-08
25.0	6.309E-10	1.378E-09	1.371E-09	2.345E-08
35.0	3.372E-10	7.300E-10	7.260E-10	2.165E-08
45.0	2.105E-10	4.534E-10	4.509E-10	2.027E-08
55.0	1.441E-10	3.106E-10	3.089E-10	1.922E-08
65.0	1.050E-10	2.267E-10	2.254E-10	1.834E-08
75.0	7.987E-11	1.727E-10	1.718E-10	1.757E-08



TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.067E-06	7.402E-06	7.362E-06	7.362E-06	9.580E+00	9.191E+00	4.806E+00	2.597E+00	3.151E-06	4.352E-05
2.5	8.971E-07	2.908E-06	2.892E-06	2.892E-06	4.351E+00	4.271E+00	2.736E+00	1.826E+00	3.513E-06	2.508E-05
3.5	4.719E-07	1.440E-06	1.432E-06	1.432E-06	2.477E+00	2.455E+00	1.778E+00	1.340E+00	3.695E-06	1.654E-05
4.5	2.834E-07	8.639E-07	8.592E-07	8.592E-07	1.709E+00	1.701E+00	1.327E+00	1.072E+00	3.923E-06	1.248E-05
7.5	9.091E-08	2.737E-07	2.722E-07	2.722E-07	7.594E-01	7.590E-01	6.648E-01	5.895E-01	3.978E-06	6.351E-06
15.0	1.727E-08	4.953E-08	4.926E-08	4.926E-08	2.387E-01	2.389E-01	2.295E-01	2.184E-01	3.370E-06	2.225E-06
25.0	5.246E-09	1.372E-08	1.364E-08	1.364E-08	1.019E-01	1.019E-01	1.010E-01	9.946E-02	2.790E-06	9.883E-07
35.0	2.508E-09	6.064E-09	6.030E-09	6.030E-09	5.885E-02	5.888E-02	5.888E-02	5.862E-02	2.447E-06	5.778E-07
45.0	1.451E-09	3.307E-09	3.288E-09	3.288E-09	3.916E-02	3.919E-02	3.930E-02	3.930E-02	2.210E-06	3.862E-07
55.0	9.359E-10	2.041E-09	2.030E-09	2.030E-09	2.830E-02	2.832E-02	2.843E-02	2.848E-02	2.033E-06	2.796E-07
65.0	6.489E-10	1.367E-09	1.360E-09	1.360E-09	2.157E-02	2.158E-02	2.169E-02	2.175E-02	1.894E-06	2.133E-07
75.0	4.738E-10	9.753E-10	9.698E-10	9.698E-10	1.713E-02	1.714E-02	1.722E-02	1.728E-02	1.784E-06	1.694E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	2.067E+03	7.402E+03	7.362E+03	7.362E+03	0.000E+00	7.369E+03	7.369E+03	7.369E+03	1.496E+01
2.5	8.971E+02	2.908E+03	2.892E+03	2.892E+03	0.000E+00	2.896E+03	2.896E+03	2.896E+03	1.674E+01
3.5	4.719E+02	1.440E+03	1.432E+03	1.432E+03	0.000E+00	1.434E+03	1.434E+03	1.434E+03	1.766E+01
4.5	2.834E+02	8.639E+02	8.592E+02	8.592E+02	0.000E+00	8.605E+02	8.605E+02	8.605E+02	1.879E+01
7.5	9.091E+01	2.737E+02	2.722E+02	2.722E+02	0.000E+00	2.728E+02	2.728E+02	2.728E+02	1.917E+01
15.0	1.727E+01	4.953E+01	4.926E+01	4.926E+01	0.000E+00	4.944E+01	4.944E+01	4.944E+01	1.649E+01
25.0	5.246E+00	1.372E+01	1.364E+01	1.364E+01	0.000E+00	1.372E+01	1.372E+01	1.372E+01	1.388E+01
35.0	2.508E+00	6.064E+00	6.030E+00	6.030E+00	0.000E+00	6.077E+00	6.077E+00	6.077E+00	1.234E+01
45.0	1.451E+00	3.307E+00	3.288E+00	3.288E+00	0.000E+00	3.319E+00	3.319E+00	3.319E+00	1.125E+01
55.0	9.359E-01	2.041E+00	2.030E+00	2.030E+00	0.000E+00	2.052E+00	2.052E+00	2.052E+00	1.043E+01
65.0	6.489E-01	1.367E+00	1.360E+00	1.360E+00	0.000E+00	1.377E+00	1.377E+00	1.377E+00	9.776E+00
75.0	4.738E-01	9.753E-01	9.698E-01	9.698E-01	0.000E+00	9.834E-01	9.834E-01	9.834E-01	9.253E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	2.067E-08	7.402E-08	7.362E-08	8.307E-08
2.5	8.971E-09	2.908E-08	2.892E-08	3.946E-08
3.5	4.719E-09	1.440E-08	1.432E-08	2.541E-08
4.5	2.834E-09	8.639E-09	8.592E-09	2.036E-08
7.5	9.091E-10	2.737E-09	2.722E-09	1.466E-08
15.0	1.727E-10	4.953E-10	4.926E-10	1.060E-08
25.0	5.246E-11	1.372E-10	1.364E-10	8.506E-09
35.0	2.508E-11	6.064E-11	6.030E-11	7.402E-09
45.0	1.451E-11	3.307E-11	3.288E-11	6.663E-09
55.0	9.359E-12	2.041E-11	2.030E-11	6.120E-09
65.0	6.489E-12	1.367E-11	1.360E-11	5.695E-09
75.0	4.738E-12	9.753E-12	9.698E-12	5.361E-09

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	9.072E-06	1.378E-05	1.370E-05	1.370E-05	9.644E+00	9.413E+00	5.914E+00	3.659E+00	5.403E-06	5.333E-05
2.5	4.105E-06	6.628E-06	6.590E-06	6.590E-06	6.227E+00	6.158E+00	4.478E+00	3.292E+00	7.516E-06	4.132E-05
3.5	2.258E-06	3.790E-06	3.769E-06	3.769E-06	4.425E+00	4.401E+00	3.479E+00	2.811E+00	9.008E-06	3.266E-05
4.5	1.399E-06	2.414E-06	2.400E-06	2.400E-06	3.349E+00	3.340E+00	2.781E+00	2.372E+00	1.001E-05	2.639E-05
7.5	4.950E-07	9.002E-07	8.950E-07	8.950E-07	1.811E+00	1.811E+00	1.631E+00	1.486E+00	1.129E-05	1.568E-05
15.0	1.145E-07	2.224E-07	2.211E-07	2.211E-07	7.357E-01	7.361E-01	7.092E-01	6.769E-01	1.117E-05	6.879E-06
25.0	4.029E-08	8.117E-08	8.071E-08	8.071E-08	3.694E-01	3.697E-01	3.659E-01	3.591E-01	1.027E-05	3.575E-06
35.0	2.129E-08	4.342E-08	4.318E-08	4.318E-08	2.339E-01	2.340E-01	2.337E-01	2.321E-01	9.590E-06	2.292E-06
45.0	1.322E-08	2.713E-08	2.698E-08	2.698E-08	1.651E-01	1.652E-01	1.655E-01	1.653E-01	9.015E-06	1.626E-06
55.0	9.009E-09	1.866E-08	1.855E-08	1.855E-08	1.253E-01	1.254E-01	1.259E-01	1.260E-01	8.591E-06	1.237E-06
65.0	6.525E-09	1.361E-08	1.353E-08	1.353E-08	9.923E-02	9.929E-02	9.973E-02	9.995E-02	8.222E-06	9.807E-07
75.0	4.934E-09	1.035E-08	1.029E-08	1.029E-08	8.088E-02	8.093E-02	8.132E-02	8.156E-02	7.889E-06	7.999E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	9.072E+03	1.378E+04	1.370E+04	1.370E+04	0.000E+00	1.371E+04	1.371E+04	1.371E+04	2.588E+01
2.5	4.105E+03	6.628E+03	6.590E+03	6.590E+03	0.000E+00	6.595E+03	6.595E+03	6.595E+03	3.629E+01
3.5	2.258E+03	3.790E+03	3.769E+03	3.769E+03	0.000E+00	3.772E+03	3.772E+03	3.772E+03	4.365E+01
4.5	1.399E+03	2.414E+03	2.400E+03	2.400E+03	0.000E+00	2.402E+03	2.402E+03	2.402E+03	4.860E+01
7.5	4.950E+02	9.002E+02	8.950E+02	8.950E+02	0.000E+00	8.965E+02	8.965E+02	8.965E+02	5.511E+01
15.0	1.145E+02	2.224E+02	2.211E+02	2.211E+02	0.000E+00	2.217E+02	2.217E+02	2.217E+02	5.531E+01
25.0	4.029E+01	8.117E+01	8.071E+01	8.071E+01	0.000E+00	8.100E+01	8.100E+01	8.100E+01	5.166E+01
35.0	2.129E+01	4.342E+01	4.318E+01	4.318E+01	0.000E+00	4.336E+01	4.336E+01	4.336E+01	4.877E+01
45.0	1.322E+01	2.713E+01	2.698E+01	2.698E+01	0.000E+00	2.711E+01	2.711E+01	2.711E+01	4.622E+01
55.0	9.009E+00	1.866E+01	1.855E+01	1.855E+01	0.000E+00	1.865E+01	1.865E+01	1.865E+01	4.429E+01
65.0	6.525E+00	1.361E+01	1.353E+01	1.353E+01	0.000E+00	1.361E+01	1.361E+01	1.361E+01	4.256E+01
75.0	4.934E+00	1.035E+01	1.029E+01	1.029E+01	0.000E+00	1.035E+01	1.035E+01	1.035E+01	4.099E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	9.072E-08	1.378E-07	1.370E-07	1.533E-07
2.5	4.105E-08	6.628E-08	6.590E-08	8.844E-08
3.5	2.258E-08	3.790E-08	3.769E-08	6.471E-08
4.5	1.399E-08	2.414E-08	2.400E-08	5.402E-08
7.5	4.950E-09	9.002E-09	8.950E-09	4.281E-08
15.0	1.145E-09	2.224E-09	2.211E-09	3.571E-08
25.0	4.029E-10	8.117E-10	8.071E-10	3.163E-08
35.0	2.129E-10	4.342E-10	4.318E-10	2.920E-08
45.0	1.322E-10	2.713E-10	2.698E-10	2.731E-08
55.0	9.009E-11	1.866E-10	1.855E-10	2.596E-08
65.0	6.525E-11	1.361E-10	1.353E-10	2.480E-08
75.0	4.934E-11	1.035E-10	1.029E-10	2.377E-08

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.484E-04	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.223E-04	1.711E-05	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.333E-06	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.503E-03	1.252E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.092E-07	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.225E-05	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.080E-05	3.809E-06	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.657E-05	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.491E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.394E-03 PERSON-REM/YR

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.848E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.853E-03	1.414E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.934E-05	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.061E-02	1.028E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.682E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.440E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.846E-05	3.109E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.868E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.218E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.793E-02 PERSON-REM/YR

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.632E-04	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.459E-04	1.408E-05	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.528E-06	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.828E-03	7.808E-05
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.860E-07	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.180E-05	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.949E-06	1.659E-06	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.625E-05	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.682E-06	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.401E-03 PERSON-REM/YR

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.217E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.033E-01	6.280E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.803E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.947E-01	3.010E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.235E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.239E-02	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.729E-03	1.073E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.306E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.817E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 9.748E-01 PERSON-REM/YR

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.773E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.117E-03	2.797E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.764E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.513E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.440E-03
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.159E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.592E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.058E-04	2.707E-05	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.499E-04
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.115E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.588E-02 PERSON-REM/YR

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.073E-04	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.610E-04	5.368E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.188E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.011E-03	2.625E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.739E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.089E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.257E-05	9.429E-06	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.033E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.346E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 8.418E-03 PERSON-REM/YR



TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.218E-03	8.108E-04	5.864E-04	4.557E-04	1.465E-03	1.928E-03	1.785E-03	1.901E-03	2.067E-03	2.245E-03	2.424E-03	2.598E-03
NNE	1.626E-03	1.166E-03	7.243E-04	5.548E-04	1.673E-03	2.056E-03	1.784E-03	1.817E-03	1.920E-03	2.045E-03	2.188E-03	2.340E-03
NE	2.328E-03	1.459E-03	8.829E-04	6.588E-04	1.943E-03	2.327E-03	1.950E-03	1.935E-03	2.021E-03	2.148E-03	2.286E-03	2.425E-03
ENE	2.015E-03	1.475E-03	8.848E-04	6.260E-04	1.719E-03	1.974E-03	1.673E-03	1.704E-03	1.801E-03	1.921E-03	2.049E-03	2.177E-03
E	6.923E-04	7.384E-04	5.035E-04	3.901E-04	1.199E-03	1.477E-03	1.272E-03	1.288E-03	1.359E-03	1.453E-03	1.554E-03	1.656E-03
ESE	2.757E-04	2.757E-04	2.449E-04	2.104E-04	7.517E-04	1.003E-03	8.358E-04	8.063E-04	8.176E-04	8.459E-04	8.820E-04	9.235E-04
SE	1.741E-04	8.332E-05	6.600E-05	5.802E-05	2.255E-04	3.299E-04	2.959E-04	2.979E-04	3.109E-04	3.281E-04	3.470E-04	3.663E-04
SSE	1.320E-04	7.611E-05	2.851E-05	2.156E-05	6.267E-05	7.564E-05	6.234E-05	5.828E-05	5.644E-05	5.555E-05	5.517E-05	5.507E-05
S	2.200E-04	1.461E-04	1.034E-04	8.226E-05	2.499E-04	3.075E-04	2.905E-04	3.160E-04	3.483E-04	3.812E-04	4.133E-04	4.447E-04
SSW	3.400E-04	2.739E-04	2.271E-04	1.926E-04	6.733E-04	9.204E-04	8.397E-04	8.777E-04	9.445E-04	1.020E-03	1.106E-03	1.195E-03
SW	4.105E-04	3.463E-04	2.909E-04	2.501E-04	9.035E-04	1.280E-03	1.189E-03	1.253E-03	1.366E-03	1.493E-03	1.621E-03	1.746E-03
WSW	4.046E-04	3.260E-04	2.645E-04	2.214E-04	7.638E-04	1.077E-03	1.068E-03	1.191E-03	1.331E-03	1.472E-03	1.609E-03	1.740E-03
W	4.154E-04	3.364E-04	2.742E-04	2.305E-04	8.062E-04	1.197E-03	1.225E-03	1.377E-03	1.544E-03	1.722E-03	1.894E-03	2.057E-03
WNW	5.723E-04	4.422E-04	3.614E-04	3.039E-04	1.060E-03	1.564E-03	1.601E-03	1.805E-03	2.031E-03	2.256E-03	2.474E-03	2.696E-03
NW	6.636E-04	5.486E-04	4.193E-04	3.486E-04	1.187E-03	1.649E-03	1.570E-03	1.697E-03	1.860E-03	2.030E-03	2.198E-03	2.361E-03
NNW	8.035E-04	6.258E-04	4.507E-04	3.630E-04	1.190E-03	1.596E-03	1.501E-03	1.611E-03	1.758E-03	1.912E-03	2.066E-03	2.216E-03

TOTAL DOSE COMMITMENT IS 2.052E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.683E-02	1.120E-02	8.082E-03	6.260E-03	1.980E-02	2.475E-02	2.173E-02	2.243E-02	2.390E-02	2.563E-02	2.742E-02	2.920E-02
NNE	2.248E-02	1.611E-02	9.990E-03	7.632E-03	2.270E-02	2.671E-02	2.207E-02	2.176E-02	2.249E-02	2.360E-02	2.498E-02	2.651E-02
NE	3.217E-02	2.016E-02	1.219E-02	9.075E-03	2.647E-02	3.055E-02	2.445E-02	2.347E-02	2.394E-02	2.502E-02	2.631E-02	2.766E-02
ENE	2.786E-02	2.039E-02	1.221E-02	8.623E-03	2.341E-02	2.582E-02	2.086E-02	2.053E-02	2.122E-02	2.228E-02	2.349E-02	2.475E-02
E	9.573E-03	1.020E-02	6.951E-03	5.375E-03	1.634E-02	1.935E-02	1.587E-02	1.554E-02	1.601E-02	1.684E-02	1.781E-02	1.882E-02
ESE	3.813E-03	3.810E-03	3.382E-03	2.901E-03	1.028E-02	1.334E-02	1.071E-02	1.001E-02	9.911E-03	1.007E-02	1.035E-02	1.072E-02
SE	2.406E-03	1.151E-03	9.111E-04	7.995E-04	3.078E-03	4.352E-03	3.737E-03	3.639E-03	3.709E-03	3.847E-03	4.017E-03	4.200E-03
SSE	1.822E-03	1.047E-03	3.895E-04	2.921E-04	8.236E-04	9.376E-04	7.458E-04	6.849E-04	6.557E-04	6.399E-04	6.315E-04	6.271E-04
S	3.037E-03	2.011E-03	1.418E-03	1.121E-03	3.317E-03	3.783E-03	3.369E-03	3.571E-03	3.887E-03	4.226E-03	4.562E-03	4.897E-03
SSW	4.695E-03	3.776E-03	3.120E-03	2.636E-03	9.063E-03	1.179E-02	1.021E-02	1.032E-02	1.088E-02	1.160E-02	1.246E-02	1.338E-02
SW	5.671E-03	4.775E-03	3.998E-03	3.425E-03	1.218E-02	1.644E-02	1.449E-02	1.478E-02	1.577E-02	1.700E-02	1.829E-02	1.957E-02
WSW	5.588E-03	4.491E-03	3.629E-03	3.024E-03	1.022E-02	1.361E-02	1.278E-02	1.384E-02	1.520E-02	1.662E-02	1.804E-02	1.941E-02
W	5.738E-03	4.635E-03	3.763E-03	3.146E-03	1.076E-02	1.499E-02	1.454E-02	1.591E-02	1.756E-02	1.939E-02	2.118E-02	2.290E-02
WNW	7.906E-03	6.095E-03	4.963E-03	4.152E-03	1.415E-02	1.959E-02	1.897E-02	2.079E-02	2.303E-02	2.533E-02	2.760E-02	2.994E-02
NW	9.169E-03	7.564E-03	5.763E-03	4.769E-03	1.593E-02	2.093E-02	1.890E-02	1.984E-02	2.135E-02	2.303E-02	2.474E-02	2.642E-02
NNW	1.110E-02	8.634E-03	6.201E-03	4.976E-03	1.602E-02	2.037E-02	1.818E-02	1.893E-02	2.027E-02	2.178E-02	2.334E-02	2.487E-02

TOTAL DOSE COMMITMENT IS 2.506E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	8.733E-04	5.809E-04	4.191E-04	3.244E-04	1.025E-03	1.280E-03	1.124E-03	1.161E-03	1.238E-03	1.328E-03	1.422E-03	1.516E-03
NNE	1.170E-03	8.393E-04	5.194E-04	3.964E-04	1.177E-03	1.382E-03	1.142E-03	1.126E-03	1.165E-03	1.223E-03	1.296E-03	1.375E-03
NE	1.680E-03	1.052E-03	6.344E-04	4.719E-04	1.374E-03	1.582E-03	1.265E-03	1.215E-03	1.240E-03	1.297E-03	1.364E-03	1.435E-03
ENE	1.456E-03	1.065E-03	6.369E-04	4.490E-04	1.216E-03	1.337E-03	1.080E-03	1.063E-03	1.099E-03	1.154E-03	1.218E-03	1.284E-03
E	4.968E-04	5.315E-04	3.615E-04	2.793E-04	8.477E-04	1.002E-03	8.211E-04	8.041E-04	8.289E-04	8.726E-04	9.236E-04	9.762E-04
ESE	1.962E-04	1.970E-04	1.751E-04	1.503E-04	5.326E-04	6.909E-04	5.545E-04	5.186E-04	5.136E-04	5.220E-04	5.370E-04	5.565E-04
SE	1.250E-04	5.936E-05	4.696E-05	4.125E-05	1.591E-04	2.251E-04	1.934E-04	1.885E-04	1.922E-04	1.995E-04	2.084E-04	2.180E-04
SSE	9.552E-05	5.487E-05	2.033E-05	1.522E-05	4.276E-05	4.841E-05	3.845E-05	3.533E-05	3.386E-05	3.309E-05	3.270E-05	3.252E-05
S	1.585E-04	1.048E-04	7.383E-05	5.833E-05	1.723E-04	1.957E-04	1.739E-04	1.845E-04	2.010E-04	2.188E-04	2.364E-04	2.540E-04
SSW	2.429E-04	1.953E-04	1.615E-04	1.364E-04	4.689E-04	6.095E-04	5.275E-04	5.338E-04	5.633E-04	6.012E-04	6.464E-04	6.943E-04
SW	2.921E-04	2.462E-04	2.063E-04	1.768E-04	6.289E-04	8.496E-04	7.489E-04	7.646E-04	8.165E-04	8.810E-04	9.485E-04	1.016E-03
WSW	2.882E-04	2.318E-04	1.874E-04	1.562E-04	5.278E-04	7.028E-04	6.602E-04	7.157E-04	7.867E-04	8.612E-04	9.352E-04	1.007E-03
W	2.954E-04	2.390E-04	1.941E-04	1.624E-04	5.554E-04	7.740E-04	7.511E-04	8.225E-04	9.090E-04	1.004E-03	1.098E-03	1.188E-03
WNW	4.074E-04	3.142E-04	2.560E-04	2.143E-04	7.308E-04	1.011E-03	9.798E-04	1.075E-03	1.192E-03	1.312E-03	1.431E-03	1.553E-03
NW	4.729E-04	3.911E-04	2.980E-04	2.466E-04	8.239E-04	1.082E-03	9.771E-04	1.026E-03	1.106E-03	1.194E-03	1.283E-03	1.372E-03
NNW	5.746E-04	4.477E-04	3.213E-04	2.578E-04	8.294E-04	1.053E-03	9.397E-04	9.791E-04	1.049E-03	1.128E-03	1.210E-03	1.290E-03

TOTAL DOSE COMMITMENT IS 1.299E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.054E-02	7.012E-03	5.056E-03	3.911E-03	1.231E-02	1.518E-02	1.314E-02	1.345E-02	1.426E-02	1.524E-02	1.627E-02	1.731E-02
NNE	1.413E-02	1.013E-02	6.267E-03	4.781E-03	1.415E-02	1.644E-02	1.340E-02	1.310E-02	1.346E-02	1.408E-02	1.486E-02	1.574E-02
NE	2.028E-02	1.270E-02	7.656E-03	5.692E-03	1.653E-02	1.886E-02	1.491E-02	1.419E-02	1.438E-02	1.497E-02	1.569E-02	1.646E-02
ENE	1.757E-02	1.286E-02	7.686E-03	5.416E-03	1.463E-02	1.593E-02	1.270E-02	1.239E-02	1.272E-02	1.330E-02	1.399E-02	1.471E-02
E	5.998E-03	6.416E-03	4.363E-03	3.369E-03	1.020E-02	1.194E-02	9.662E-03	9.373E-03	9.599E-03	1.006E-02	1.061E-02	1.118E-02
ESE	2.370E-03	2.379E-03	2.114E-03	1.813E-03	6.415E-03	8.265E-03	6.571E-03	6.095E-03	5.996E-03	6.062E-03	6.211E-03	6.416E-03
SE	1.510E-03	7.167E-04	5.669E-04	4.977E-04	1.915E-03	2.687E-03	2.283E-03	2.205E-03	2.233E-03	2.306E-03	2.401E-03	2.504E-03
SSE	1.153E-03	6.617E-04	2.447E-04	1.829E-04	5.100E-04	5.688E-04	4.473E-04	4.089E-04	3.905E-04	3.807E-04	3.755E-04	3.728E-04
S	1.912E-03	1.264E-03	8.896E-04	7.018E-04	2.060E-03	2.294E-03	2.005E-03	2.110E-03	2.290E-03	2.487E-03	2.684E-03	2.881E-03
SSW	2.932E-03	2.357E-03	1.947E-03	1.643E-03	5.626E-03	7.223E-03	6.163E-03	6.179E-03	6.481E-03	6.888E-03	7.386E-03	7.918E-03
SW	3.527E-03	2.971E-03	2.488E-03	2.130E-03	7.547E-03	1.007E-02	8.756E-03	8.857E-03	9.399E-03	1.010E-02	1.084E-02	1.159E-02
WSW	3.479E-03	2.797E-03	2.259E-03	1.880E-03	6.324E-03	8.297E-03	7.680E-03	8.255E-03	9.027E-03	9.849E-03	1.067E-02	1.147E-02
W	3.567E-03	2.883E-03	2.340E-03	1.955E-03	6.649E-03	9.117E-03	8.717E-03	9.471E-03	1.042E-02	1.147E-02	1.252E-02	1.353E-02
WNW	4.919E-03	3.792E-03	3.087E-03	2.580E-03	8.752E-03	1.191E-02	1.137E-02	1.237E-02	1.365E-02	1.498E-02	1.630E-02	1.767E-02
NW	5.710E-03	4.719E-03	3.593E-03	2.970E-03	9.877E-03	1.278E-02	1.139E-02	1.186E-02	1.270E-02	1.367E-02	1.466E-02	1.564E-02
NNW	6.938E-03	5.403E-03	3.875E-03	3.106E-03	9.952E-03	1.246E-02	1.097E-02	1.133E-02	1.207E-02	1.294E-02	1.384E-02	1.473E-02

TOTAL DOSE COMMITMENT IS 1.519E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.345E-05	3.551E-05	2.557E-05	1.972E-05	6.102E-05	7.072E-05	5.686E-05	5.534E-05	5.672E-05	5.920E-05	6.216E-05	6.529E-05
NNE	7.135E-05	5.109E-05	3.163E-05	2.408E-05	7.035E-05	7.771E-05	5.937E-05	5.524E-05	5.476E-05	5.579E-05	5.775E-05	6.027E-05
NE	1.021E-04	6.395E-05	3.861E-05	2.868E-05	8.248E-05	9.027E-05	6.727E-05	6.100E-05	5.958E-05	6.029E-05	6.186E-05	6.386E-05
ENE	8.837E-05	6.465E-05	3.869E-05	2.724E-05	7.285E-05	7.588E-05	5.687E-05	5.277E-05	5.223E-05	5.314E-05	5.475E-05	5.669E-05
E	3.041E-05	3.238E-05	2.203E-05	1.699E-05	5.093E-05	5.703E-05	4.331E-05	3.996E-05	3.941E-05	4.017E-05	4.152E-05	4.309E-05
ESE	1.213E-05	1.211E-05	1.073E-05	9.184E-06	3.222E-05	4.023E-05	3.053E-05	2.714E-05	2.576E-05	2.530E-05	2.533E-05	2.568E-05
SE	7.636E-06	3.656E-06	2.891E-06	2.531E-06	9.615E-06	1.296E-05	1.041E-05	9.591E-06	9.360E-06	9.394E-06	9.565E-06	9.807E-06
SSE	5.767E-06	3.303E-06	1.217E-06	9.021E-07	2.434E-06	2.524E-06	1.883E-06	1.672E-06	1.566E-06	1.504E-06	1.466E-06	1.441E-06
S	9.619E-06	6.350E-06	4.451E-06	3.489E-06	9.951E-06	1.006E-05	8.004E-06	8.042E-06	8.518E-06	9.123E-06	9.762E-06	1.042E-05
SSW	1.490E-05	1.195E-05	9.836E-06	8.263E-06	2.777E-05	3.358E-05	2.661E-05	2.530E-05	2.560E-05	2.655E-05	2.798E-05	2.962E-05
SW	1.802E-05	1.513E-05	1.261E-05	1.075E-05	3.737E-05	4.702E-05	3.798E-05	3.644E-05	3.727E-05	3.905E-05	4.120E-05	4.348E-05
WSW	1.774E-05	1.421E-05	1.142E-05	9.451E-06	3.104E-05	3.789E-05	3.239E-05	3.313E-05	3.511E-05	3.752E-05	4.007E-05	4.263E-05
W	1.822E-05	1.467E-05	1.185E-05	9.830E-06	3.255E-05	4.116E-05	3.628E-05	3.761E-05	4.018E-05	4.343E-05	4.677E-05	5.005E-05
WNW	2.511E-05	1.930E-05	1.564E-05	1.299E-05	4.291E-05	5.379E-05	4.715E-05	4.887E-05	5.235E-05	5.640E-05	6.060E-05	6.510E-05
NW	2.913E-05	2.395E-05	1.817E-05	1.494E-05	4.861E-05	5.872E-05	4.846E-05	4.806E-05	4.986E-05	5.248E-05	5.543E-05	5.848E-05
NNW	3.526E-05	2.735E-05	1.958E-05	1.563E-05	4.910E-05	5.761E-05	4.708E-05	4.631E-05	4.776E-05	5.004E-05	5.266E-05	5.539E-05

TOTAL DOSE COMMITMENT IS 6.599E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	6.927E-04	4.600E-04	3.306E-04	2.544E-04	7.785E-04	8.647E-04	6.566E-04	6.117E-04	6.070E-04	6.188E-04	6.384E-04	6.618E-04
NNE	9.258E-04	6.627E-04	4.096E-04	3.112E-04	9.006E-04	9.607E-04	6.988E-04	6.238E-04	5.987E-04	5.948E-04	6.038E-04	6.205E-04
NE	1.326E-03	8.301E-04	5.005E-04	3.711E-04	1.059E-03	1.126E-03	8.034E-04	7.006E-04	6.625E-04	6.530E-04	6.563E-04	6.665E-04
ENE	1.148E-03	8.395E-04	5.018E-04	3.527E-04	9.351E-04	9.435E-04	6.750E-04	6.014E-04	5.759E-04	5.710E-04	5.766E-04	5.877E-04
E	3.942E-04	4.201E-04	2.855E-04	2.199E-04	6.540E-04	7.101E-04	5.146E-04	4.556E-04	4.347E-04	4.318E-04	4.372E-04	4.467E-04
ESE	1.569E-04	1.568E-04	1.389E-04	1.188E-04	4.145E-04	5.072E-04	3.726E-04	3.206E-04	2.956E-04	2.832E-04	2.777E-04	2.766E-04
SE	9.901E-05	4.728E-05	3.737E-05	3.268E-05	1.234E-04	1.622E-04	1.252E-04	1.112E-04	1.051E-04	1.028E-04	1.025E-04	1.033E-04
SSE	7.491E-05	4.281E-05	1.568E-05	1.155E-05	3.043E-05	2.980E-05	2.126E-05	1.839E-05	1.689E-05	1.599E-05	1.540E-05	1.499E-05
S	1.248E-04	8.220E-05	5.745E-05	4.484E-05	1.254E-04	1.177E-04	8.609E-05	8.245E-05	8.501E-05	8.960E-05	9.492E-05	1.007E-04
SSW	1.929E-04	1.545E-04	1.269E-04	1.063E-04	3.532E-04	4.097E-04	3.065E-04	2.783E-04	2.721E-04	2.752E-04	2.848E-04	2.974E-04
SW	2.329E-04	1.954E-04	1.626E-04	1.382E-04	4.754E-04	5.748E-04	4.390E-04	4.023E-04	3.976E-04	4.062E-04	4.207E-04	4.379E-04
WSW	2.294E-04	1.835E-04	1.472E-04	1.213E-04	3.928E-04	4.558E-04	3.656E-04	3.575E-04	3.674E-04	3.842E-04	4.041E-04	4.251E-04
W	2.356E-04	1.894E-04	1.525E-04	1.261E-04	4.109E-04	4.909E-04	4.049E-04	4.018E-04	4.169E-04	4.416E-04	4.688E-04	4.965E-04
WNW	3.247E-04	2.493E-04	2.015E-04	1.668E-04	5.422E-04	6.415E-04	5.246E-04	5.195E-04	5.401E-04	5.702E-04	6.042E-04	6.425E-04
NW	3.768E-04	3.096E-04	2.344E-04	1.921E-04	6.165E-04	7.100E-04	5.514E-04	5.235E-04	5.265E-04	5.420E-04	5.632E-04	5.869E-04
NNW	4.566E-04	3.541E-04	2.530E-04	2.014E-04	6.247E-04	7.004E-04	5.398E-04	5.085E-04	5.083E-04	5.206E-04	5.388E-04	5.595E-04

TOTAL DOSE COMMITMENT IS 7.646E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, Ys -

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 8--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.394E-03	2.793E-02	2.401E-03	1.825E-02	8.805E-03	9.748E-01
GROUND	4.588E-02	4.588E-02	4.588E-02	4.588E-02	4.588E-02	4.588E-02
CLOUD	8.418E-03	8.418E-03	8.418E-03	8.418E-03	8.418E-03	8.418E-03
VEG. ING	1.026E-01	1.253E+00	1.026E-01	3.250E-01	2.619E-01	1.026E-01
MEAT ING	5.515E-03	6.451E-02	5.515E-03	1.930E-02	1.548E-02	5.515E-03
MILK ING	3.468E-03	4.018E-02	3.468E-03	1.033E-02	8.470E-03	3.468E-03
RNPLUSS0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.693E-01	1.440E+00	1.683E-01	4.272E-01	3.490E-01	1.141E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.026E-01	1.253E+00	1.026E-01	3.250E-01	2.619E-01	1.026E-01
MEAT ING	1.244E-01	1.455E+00	1.244E-01	4.352E-01	3.491E-01	1.244E-01
MILK ING	3.132E-03	3.628E-02	3.132E-03	9.325E-03	7.649E-03	3.132E-03
RNPLUSS0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.301E-01	2.744E+00	2.301E-01	7.695E-01	6.186E-01	2.301E-01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.394E-03	2.793E-02	2.401E-03	1.825E-02	8.805E-03	9.748E-01
GROUND	4.588E-02	4.588E-02	4.588E-02	4.588E-02	4.588E-02	4.588E-02
CLOUD	8.418E-03	8.418E-03	8.418E-03	8.418E-03	8.418E-03	8.418E-03
VEG. ING	2.052E-01	2.506E+00	2.052E-01	6.500E-01	5.239E-01	2.052E-01
MEAT ING	1.299E-01	1.519E+00	1.299E-01	4.545E-01	3.645E-01	1.299E-01
MILK ING	6.599E-03	7.646E-02	6.599E-03	1.965E-02	1.612E-02	6.599E-03
RNPLUSS0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.994E-01	4.184E+00	3.984E-01	1.197E+00	9.676E-01	1.371E+00

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1	Nearest Resident	2	3.625E-08	8.105E-08	8.060E-08	8.060E-08	3.625E+01	8.105E+01	8.060E+01	8.060E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.625E-08	8.105E-08	8.060E-08	8.060E-08	3.625E+01	8.105E+01	8.060E+01	8.060E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2	Restricted Area Boun	2	2.942E-04	3.224E-04	3.204E-04	3.204E-04	2.942E+05	3.224E+05	3.204E+05	3.204E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		2.942E-04	3.224E-04	3.204E-04	3.204E-04	2.942E+05	3.224E+05	3.204E+05	3.204E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
3	Restricted Area Boun	2	9.343E-06	2.783E-05	2.768E-05	2.768E-05	9.343E+03	2.783E+04	2.768E+04	2.768E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		9.343E-06	2.783E-05	2.768E-05	2.768E-05	9.343E+03	2.783E+04	2.768E+04	2.768E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
4	Restricted Area Boun	2	7.356E-06	2.204E-05	2.192E-05	2.192E-05	7.356E+03	2.204E+04	2.192E+04	2.192E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		7.356E-06	2.204E-05	2.192E-05	2.192E-05	7.356E+03	2.204E+04	2.192E+04	2.192E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
5	Restricted Area Boun	2	3.783E-05	5.419E-05	5.387E-05	5.387E-05	3.783E+04	5.419E+04	5.387E+04	5.387E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.783E-05	5.419E-05	5.387E-05	5.387E-05	3.783E+04	5.419E+04	5.387E+04	5.387E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
6	Restricted Area Boun	2	9.323E-05	1.285E-04	1.278E-04	1.278E-04	9.323E+04	1.285E+05	1.278E+05	1.278E+05
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		9.323E-05	1.285E-04	1.278E-04	1.278E-04	9.323E+04	1.285E+05	1.278E+05	1.278E+05
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
7	Restricted Area Boun	2	1.046E-05	3.364E-05	3.345E-05	3.345E-05	1.046E+04	3.364E+04	3.345E+04	3.345E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.046E-05	3.364E-05	3.345E-05	3.345E-05	1.046E+04	3.364E+04	3.345E+04	3.345E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
8	Restricted Area Boun	2	2.423E-05	4.029E-05	4.006E-05	4.006E-05	2.423E+04	4.029E+04	4.006E+04	4.006E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		2.423E-05	4.029E-05	4.006E-05	4.006E-05	2.423E+04	4.029E+04	4.006E+04	4.006E+04



NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	8.383E-05	1.030E-04	1.023E-04	1.023E-04	8.383E+04	1.030E+05	1.023E+05	1.023E+05
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		8.383E-05	1.030E-04	1.023E-04	1.023E-04	8.383E+04	1.030E+05	1.023E+05	1.023E+05
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	2	3.565E-08	8.071E-08	8.026E-08	8.026E-08	3.565E+01	8.071E+01	8.026E+01	8.026E+01
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.565E-08	8.071E-08	8.026E-08	8.026E-08	3.565E+01	8.071E+01	8.026E+01	8.026E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	3.380E-08	7.281E-08	7.241E-08	7.241E-08	3.380E+01	7.281E+01	7.241E+01	7.241E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.380E-08	7.281E-08	7.241E-08	7.241E-08	3.380E+01	7.281E+01	7.241E+01	7.241E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	6.890E-09	1.502E-08	1.494E-08	1.494E-08	6.890E+00	1.502E+01	1.494E+01	1.494E+01
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		6.890E-09	1.502E-08	1.494E-08	1.494E-08	6.890E+00	1.502E+01	1.494E+01	1.494E+01
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	1.701E-05	7.735E-05	7.694E-05	7.694E-05	1.701E+04	7.735E+04	7.694E+04	7.694E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.701E-05	7.735E-05	7.694E-05	7.694E-05	1.701E+04	7.735E+04	7.694E+04	7.694E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	6.167E-06	1.936E-05	1.925E-05	1.925E-05	6.167E+03	1.936E+04	1.925E+04	1.925E+04
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		6.167E-06	1.936E-05	1.925E-05	1.925E-05	6.167E+03	1.936E+04	1.925E+04	1.925E+04



NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS								GROUND CONCENTRATIONS, PCI/M2			
	AIRBORNE CONCENTRATIONS, PCI/M3											
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	3.232E-01	3.234E-01	3.132E-01	2.991E-01	7.425E-06	1.999E-07	1.401E-10	3.037E-06	2.561E-01	2.561E-01	2.561E-01	4.063E+01
2	4.920E+01	4.424E+01	1.468E+01	4.393E+00	2.063E-06	1.168E-09	1.912E-14	1.364E-04	3.504E+01	3.504E+01	3.504E+01	9.766E+00
3	2.487E+01	2.214E+01	7.714E+00	2.577E+00	1.425E-06	9.443E-10	1.798E-14	7.153E-05	1.754E+01	1.754E+01	1.754E+01	6.747E+00
4	1.931E+01	1.465E+01	3.914E+00	1.147E+00	5.516E-07	3.212E-10	5.401E-15	3.921E-05	1.160E+01	1.160E+01	1.160E+01	2.862E+00
5	2.304E+01	2.115E+01	8.597E+00	3.317E+00	2.215E-06	1.747E-09	3.932E-14	7.774E-05	1.675E+01	1.675E+01	1.675E+01	1.049E+01
6	4.668E+01	3.932E+01	9.851E+00	2.238E+00	7.531E-07	3.110E-10	3.749E-15	9.880E-05	3.115E+01	3.115E+01	3.115E+01	3.565E+00
7	3.175E+01	2.781E+01	8.825E+00	2.670E+00	1.297E-06	7.599E-10	1.285E-14	8.334E-05	2.202E+01	2.202E+01	2.202E+01	6.138E+00
8	2.224E+01	2.020E+01	7.742E+00	2.846E+00	1.788E-06	1.335E-09	2.851E-14	7.067E-05	1.600E+01	1.600E+01	1.600E+01	8.465E+00
9	2.921E+01	2.691E+01	1.068E+01	3.894E+00	2.378E-06	1.723E-09	3.578E-14	9.640E-05	2.132E+01	2.132E+01	2.132E+01	1.126E+01
10	3.422E-01	3.424E-01	3.357E-01	3.253E-01	1.025E-05	3.530E-07	3.197E-10	3.268E-06	2.712E-01	2.712E-01	2.712E-01	5.633E+01
11	1.322E-01	1.322E-01	1.317E-01	1.303E-01	6.219E-06	3.120E-07	4.149E-10	1.290E-06	1.047E-01	1.047E-01	1.047E-01	3.112E+01
12	5.498E-02	5.501E-02	5.476E-02	5.402E-02	2.782E-06	1.685E-07	2.796E-10	5.358E-07	4.357E-02	4.357E-02	4.357E-02	1.489E+01
13	7.582E+01	5.280E+01	9.580E+00	1.726E+00	4.537E-07	1.486E-10	1.430E-15	1.094E-04	4.182E+01	4.182E+01	4.182E+01	2.470E+00
14	2.170E+01	1.975E+01	8.883E+00	4.285E+00	4.231E-06	4.832E-09	1.554E-13	8.136E-05	1.564E+01	1.564E+01	1.564E+01	2.084E+01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: f:20cfr.in

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 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.62E-08	3.62E-08	8.11E-08	8.06E-08	3.04E-06	7.51E-06	2.81E-07	8.07E-08
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	7.25E-09	9.06E-09	1.01E-06	4.03E-08	9.12E-05	1.88E-06	1.40E-09	1.15E-08

SUM OF FRACTIONS EQUALS 9.42E-05

NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE= 0

RESULTS OF MPC CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.94E-04	2.94E-04	3.22E-04	3.20E-04	1.36E-04	3.22E-04	3.20E-04	3.20E-04
MPC, PCI/M3	5.00E+00	4.00E+00	8.00E-02	2.00E+00	3.33E-02	4.00E+00	2.00E+02	7.00E+00
FRACTION OF MPC	5.88E-05	7.36E-05	4.03E-03	1.60E-04	4.10E-03	8.06E-05	1.60E-06	4.58E-05

SUM OF FRACTIONS EQUALS 8.55E-03

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 8, All cells closed

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 1 NAME=Nearest Resident X= 28.0KM Y= 0.0KM Z= 73.9M DIST= 28.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.62E-08	3.62E-08	8.11E-08	8.06E-08	3.04E-06	7.51E-06	2.81E-07	8.07E-08
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	6.03E-07	7.24E-07	2.70E-06	8.96E-08	2.76E-03	1.25E-05	7.03E-09	8.97E-08

SUM OF FRACTIONS EQUALS 2.78E-03

NUMBER 2 NAME= N Permit Area Boun X= 0.0KM Y= 0.3KM Z= 6.9M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.94E-04	2.94E-04	3.22E-04	3.20E-04	1.36E-04	3.22E-04	3.20E-04	3.20E-04
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.90E-03	5.88E-03	1.07E-02	3.56E-04	1.24E-01	5.37E-04	8.00E-06	3.56E-04

SUM OF FRACTIONS EQUALS 1.46E-01

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 8, All cells closed

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 3 NAME= S Permit Area Boun X= 0.0KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	9.34E-06	9.34E-06	2.78E-05	2.77E-05	7.15E-05	2.91E-05	2.77E-05	2.77E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.56E-04	1.87E-04	9.27E-04	3.08E-05	6.50E-02	4.85E-05	6.93E-07	3.08E-05

SUM OF FRACTIONS EQUALS 6.64E-02

NUMBER 4 NAME= E Permit Area Boun X= 1.9KM Y= 0.0KM Z= -0.8M DIST= 1.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	7.36E-06	7.36E-06	2.20E-05	2.19E-05	3.92E-05	2.25E-05	2.19E-05	2.19E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.23E-04	1.47E-04	7.33E-04	2.43E-05	3.56E-02	3.75E-05	5.48E-07	2.43E-05

SUM OF FRACTIONS EQUALS 3.67E-02

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 8, All cells closed

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 5 NAME= W Permit Area Boun X= -0.3KM Y= 0.0KM Z= -3.8M DIST= 0.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.78E-05	3.78E-05	5.42E-05	5.39E-05	7.77E-05	5.61E-05	5.39E-05	5.39E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	6.30E-04	7.56E-04	1.81E-03	5.99E-05	7.06E-02	9.35E-05	1.35E-06	5.99E-05

SUM OF FRACTIONS EQUALS 7.40E-02

NUMBER 6 NAME= NE Permit Area Boun X= 0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	9.32E-05	9.32E-05	1.29E-04	1.28E-04	9.88E-05	1.29E-04	1.28E-04	1.28E-04
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.55E-03	1.86E-03	4.30E-03	1.42E-04	8.98E-02	2.15E-04	3.20E-06	1.42E-04

SUM OF FRACTIONS EQUALS 9.80E-02

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 8, All cells closed

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 7 NAME= SE Permit Area Boun X= 0.2KM Y= -0.2KM Z= -0.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.05E-05	1.05E-05	3.36E-05	3.35E-05	8.33E-05	3.48E-05	3.35E-05	3.35E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.75E-04	2.10E-04	1.12E-03	3.72E-05	7.57E-02	5.80E-05	8.38E-07	3.72E-05

SUM OF FRACTIONS EQUALS 7.74E-02

NUMBER 8 NAME= SW Permit Area Boun X= -0.2KM Y= -0.2KM Z= -3.8M DIST= 0.2KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	2.42E-05	2.42E-05	4.03E-05	4.01E-05	7.07E-05	4.19E-05	4.01E-05	4.01E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	4.03E-04	4.84E-04	1.34E-03	4.46E-05	6.43E-02	6.98E-05	1.00E-06	4.46E-05

SUM OF FRACTIONS EQUALS 6.67E-02

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 8, All cells closed

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 9 NAME= NW Permit Area Boun X= -0.3KM Y= 0.3KM Z= 0.8M DIST= 0.4KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	8.38E-05	8.38E-05	1.03E-04	1.02E-04	9.64E-05	1.05E-04	1.02E-04	1.02E-04
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.40E-03	1.68E-03	3.43E-03	1.13E-04	8.76E-02	1.75E-04	2.55E-06	1.13E-04

SUM OF FRACTIONS EQUALS 9.45E-02

NUMBER 10 NAME= Baroil X= 28.6KM Y= 21.6KM Z= 107.4M DIST= 35.8KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.57E-08	3.57E-08	8.07E-08	8.03E-08	3.27E-06	1.03E-05	4.33E-07	8.06E-08
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.95E-07	7.14E-07	2.69E-06	8.92E-08	2.97E-03	1.72E-05	1.08E-08	8.96E-08

SUM OF FRACTIONS EQUALS 2.99E-03



REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

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04/07/95

TIME STEP NUMBER 8, All cells closed

DURATION IN YRS IS ... 3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 11 NAME= Jeffrey City X= 7.0KM Y= 49.5KM Z= -75.4M DIST= 50.0KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	3.38E-08	3.38E-08	7.28E-08	7.24E-08	1.29E-06	6.29E-06	3.84E-07	7.28E-08
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	5.63E-07	6.76E-07	2.43E-06	8.04E-08	1.17E-03	1.05E-05	9.60E-09	8.09E-08

SUM OF FRACTIONS EQUALS 1.19E-03

NUMBER 12 NAME= Rawlins X= 54.6KM Y= -27.9KM Z= 37.0M DIST= 61.3KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	6.89E-09	6.89E-09	1.50E-08	1.49E-08	5.36E-07	2.80E-06	1.83E-07	1.52E-08
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.15E-07	1.38E-07	5.00E-07	1.66E-08	4.87E-04	4.67E-06	4.58E-09	1.69E-08

SUM OF FRACTIONS EQUALS 4.93E-04

REGION: Sweetwater Uranium Facility  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: f:20cfr.in

PAGE 236  
04/07/95

TIME STEP NUMBER 8, All cells closed

DURATION IN YRS IS ...

3.0

SPREADSHEET MODIFICATION BASED ON EFFLUENT CONCENTRATION LIMITS IN REVISED 10 CFR 20

NUMBER 13 NAME= Special Receptor #1 X= 1.4KM Y= 1.0KM Z= 0.8M DIST= 1.7KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	1.70E-05	1.70E-05	7.74E-05	7.69E-05	1.09E-04	7.74E-05	7.69E-05	7.69E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	2.83E-04	3.40E-04	2.58E-03	8.54E-05	9.91E-02	1.29E-04	1.92E-06	8.54E-05

SUM OF FRACTIONS EQUALS 1.03E-01

NUMBER 14 NAME= Special Receptor #2 X= 2.0KM Y= 2.1KM Z= 0.8M DIST= 2.9KM IRTYPE= 0

RESULTS OF EFFLUENT CONCENTRATION LIMIT (ECL) CHECK AT THIS LOCATION

	U-238	U-234	Th-230	Ra-226	Rn-222(WL)	Pb-210	Bi-210	Po-210
CONC., PCI/M3	6.17E-06	6.17E-06	1.94E-05	1.93E-05	8.14E-05	2.35E-05	1.93E-05	1.93E-05
ECL, PCI/M3	6.00E-02	5.00E-02	3.00E-02	9.00E-01	1.10E-03	6.00E-01	4.00E+01	9.00E-01
FRACTION OF ECL	1.03E-04	1.23E-04	6.47E-04	2.14E-05	7.40E-02	3.92E-05	4.83E-07	2.14E-05

SUM OF FRACTIONS EQUALS 7.50E-02

**ATTACHMENT 2**

**MILDOS Modeling Results  
40 CFR 190**



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MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
<b>STABILITY CLASS 1</b>																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>STABILITY CLASS 2</b>																	
1.5	0.0060	0.0580	0.0580	0.0640	0.1040	0.1300	0.0980	0.1620	0.1250	0.0720	0.1040	0.0780	0.0580	0.0090	0.0120	0.0060	1.1440
5.5	0.0000	0.0290	0.0430	0.0380	0.0170	0.0320	0.0380	0.0320	0.0610	0.0200	0.0260	0.0410	0.0230	0.0060	0.0060	0.0000	0.4120
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.0060	0.0870	0.1010	0.1020	0.1210	0.1620	0.1360	0.1940	0.1860	0.0920	0.1300	0.1190	0.0810	0.0150	0.0180	0.0060	1.5560
<b>STABILITY CLASS 3</b>																	
1.5	0.0900	0.2750	0.4370	0.5150	0.7040	0.7990	1.0100	0.7010	0.8250	0.6750	0.6140	0.5300	0.3500	0.2320	0.0350	0.0170	7.8090
5.5	0.0060	0.1250	0.2780	0.1970	0.2140	0.2870	0.3500	0.3420	0.5240	0.4110	0.3500	0.3180	0.2580	0.0750	0.0170	0.0000	3.7520
10.0	0.0000	0.0200	0.0810	0.0350	0.0170	0.0200	0.0430	0.0900	0.1880	0.1390	0.1270	0.1530	0.1130	0.0810	0.0090	0.0000	1.1160
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0060	0.0060	0.0030	0.0000	0.0000	0.0000	0.0000	0.0180
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.0960	0.4200	0.7960	0.7470	0.9350	1.1060	1.4030	1.1330	1.5400	1.2310	1.0970	1.0040	0.7210	0.3880	0.0610	0.0170	12.6950
<b>STABILITY CLASS 4</b>																	
1.5	0.0490	0.0750	0.1330	0.1450	0.1530	0.1560	0.1800	0.0960	0.1940	0.1650	0.1680	0.1680	0.0690	0.0690	0.0460	0.0030	1.8690
5.5	0.0170	0.3100	0.6630	0.4170	0.4890	0.6400	0.7440	0.6920	0.7900	0.9030	0.8830	0.7470	0.6460	0.2920	0.1620	0.0030	8.3980
10.0	0.0350	0.4020	0.7060	0.6800	0.7040	0.7210	0.9270	1.0190	1.3550	1.4970	1.9340	1.7600	1.4650	0.9410	0.3390	0.0610	14.5460
15.5	0.0090	0.4780	0.9030	0.7850	0.5880	0.6370	1.0770	1.5230	1.6680	2.1980	2.8980	2.1630	2.0820	1.9980	0.5500	0.0870	19.6440
21.5	0.0610	0.3130	0.2840	0.3300	0.2260	0.1710	0.2810	0.6510	0.8720	1.3140	2.0040	1.4130	0.9840	1.5490	0.3470	0.0520	10.8520
28.0	0.0170	0.1270	0.0640	0.0410	0.0930	0.0230	0.0380	0.2000	0.3530	0.5820	1.1320	0.9410	0.2950	0.8450	0.3330	0.0030	5.0870
ALL	0.1880	1.7050	2.7530	2.3980	2.2530	2.3480	3.2470	4.1810	5.2320	6.6590	9.0190	7.1920	5.5410	5.6940	1.7770	0.2090	60.3960
<b>STABILITY CLASS 5</b>																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5.5	0.0120	0.1070	0.1390	0.0690	0.1010	0.1250	0.0900	0.1070	0.1620	0.1420	0.1740	0.1220	0.1250	0.0810	0.0380	0.0000	1.5940
10.0	0.0290	0.2690	0.3270	0.2030	0.2490	0.2920	0.3880	0.3010	0.3210	0.4920	0.5530	0.4860	0.2780	0.2230	0.1010	0.0120	4.5240
15.5	0.0140	0.0580	0.0720	0.0520	0.0380	0.0260	0.0930	0.0670	0.0900	0.0980	0.1420	0.1070	0.0460	0.0840	0.0230	0.0060	1.0160
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.0550	0.4340	0.5380	0.3240	0.3880	0.4430	0.5710	0.4750	0.5730	0.7320	0.8690	0.7150	0.4490	0.3880	0.1620	0.0180	7.1340
<b>STABILITY CLASS 6</b>																	
1.5	0.1710	0.3910	0.5470	0.5790	0.7120	0.9610	0.7700	0.7500	0.8480	0.7210	0.6980	0.6400	0.5120	0.2400	0.1070	0.0170	8.6640
5.5	0.0840	0.5240	0.8190	0.4520	0.3390	0.6780	0.6340	0.4430	0.6140	0.6230	0.7790	0.6250	0.4690	0.3130	0.0840	0.0030	7.4830
10.0	0.0230	0.1620	0.1390	0.0930	0.1360	0.1850	0.1420	0.1300	0.1880	0.2260	0.1850	0.1680	0.1220	0.1160	0.0550	0.0000	2.0700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.2780	1.0770	1.5050	1.1240	1.1870	1.8240	1.5460	1.3230	1.6500	1.5700	1.6620	1.4330	1.1030	0.6690	0.2460	0.0200	18.2170
<b>ALL</b>																	99.9980



INDIVIDUAL RECEPTOR LOCATION DATA						14 LOCATIONS INPUT THIS RUN						
I	LOCATION NAMES	X(KM)	Y(KM)	Z(M)	DIST(KM)	I	LOCATION NAMES	X(KM)	Y(KM)	Z(M)	DIST(KM)	TYPE
1	Nearest Resident	28.00	0.00	73.90	28.00	10	8 Restricted Area Boun	-0.15	-0.15	-3.80	0.21	10
2	Restricted Area Boun	0.00	0.27	6.90	0.27	10	9 Restricted Area Boun	-0.27	0.27	0.80	0.38	10
3	Restricted Area Boun	0.00	-0.15	-3.80	0.15	10	10 Ballroil	28.57	21.59	107.40	35.81	10
4	Restricted Area Boun	1.94	0.00	-0.80	1.94	10	11 Jeffrey City	6.98	49.53	-75.40	50.02	10
5	Restricted Area Boun	-0.29	0.00	-3.80	0.29	10	12 Rawlins	54.61	-27.94	37.00	61.34	10
6	Restricted Area Boun	0.27	0.27	0.80	0.38	10	13 Special Receptor #1	1.38	0.98	0.80	1.69	10
7	Restricted Area Boun	0.15	-0.15	-0.80	0.21	10	14 Special Receptor #2	2.00	2.10	0.80	2.90	10

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
800.0	1300.0	1983.00	0.60	0.00	0.60	0.00	320.00	1400.00	230.00	2.50

IPACT EQUALS 1, 1, 1, 1, 0.

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA...	STEP NAMES	LENGTH, YRS	IFTODO
1	25-YEAR ACTION PERIO	3.00	1
2	4NWAREA	3.00	1
3	NEX = 0, NAS = 1, N	3.00	1
4	NODE =	3.00	1
5	1,2,3,4,	3.00	1
6	XS =	3.00	1
7	545,955,545,955,	3.00	1
8	YS =	3.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0.

HDP EQUALS 150.0





POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNN 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.0-40.0	0	0	240	10	0	0	0	26	0	0	0	0	0	0	0	0
40.0-50.0	0	0	21	0	0	0	0	0	253	26	0	0	0	0	0	0
50.0-60.0	421	0	0	0	0	0	0	0	0	10	0	0	0	0	0	21
60.0-70.0	0	0	0	0	0	9885	0	0	0	0	185	0	0	0	0	0
70.0-80.0	0	0	0	0	0	527	0	0	0	0	0	0	0	0	0	0
1.0-80.0	421	0	261	10	0	10412	0	26	253	36	185	0	0	0	0	21
TOTAL 1-80 KM POPULATION IS 11625 PERSONS																

NUMBER OF SOURCES= 5

NO.	KM X	KM Y	M Z	KM2 AREA	U-238	Th-230	CI/YEAR Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	0.00	0.00	17.80	0.0000	6.45E-02	6.45E-02	6.45E-02	6.45E-02	0.00E+00	1001	1	4.50E+00	Yellowcake Dryer
2	0.03	0.27	6.90	0.0482	3.10E-02	3.10E-02	3.10E-02	3.10E-02	0.00E+00	1002	1	0.00E+00	Ore Pad
3	1.00	0.50	15.10	0.1620	1.90E-03	2.72E-02	2.72E-02	2.72E-02	1.00E+03	1004	1	0.00E+00	Tailings Pond
4	0.00	0.07	26.70	0.0000	2.30E-03	2.30E-03	2.30E-03	2.30E-03	0.00E+00	1005	1	1.40E+01	Receiver
5	0.00	0.07	25.20	0.0000	1.10E-03	1.10E-03	1.10E-03	1.10E-03	6.05E+02	1006	1	3.54E+01	Leach

INPUT TAILS ACTIVITIES, PCI/G

SET URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 8 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 3.00YRS	TSTEP 2 3.00YRS	TSTEP 3 3.00YRS	TSTEP 4 3.00YRS	TSTEP 5 3.00YRS	TSTEP 6 3.00YRS	TSTEP 7 3.00YRS	TSTEP 8 3.00YRS	TSTEP 9 0.00YRS	TSTEP10 0.00YRS
1	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	1.000E+00	5.000E+00	5.000E+00	5.000E+00	5.000E+00	5.000E+00	4.000E+00	0.000E+00	0.000E+00	0.000E+00
4	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 8 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 3.00YRS	TSTEP 2 3.00YRS	TSTEP 3 3.00YRS	TSTEP 4 3.00YRS	TSTEP 5 3.00YRS	TSTEP 6 3.00YRS	TSTEP 7 3.00YRS	TSTEP 8 3.00YRS	TSTEP 9 0.00YRS	TSTEP10 0.00YRS
1	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	1.000E+00	2.900E+00	3.000E+00	3.100E+00	3.200E+00	3.300E+00	2.400E+00	7.00E-01	0.000E+00	0.000E+00
4	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

0	AMAD= 1.5 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	3.42E+03	3.85E+03	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
	BONE	4.84E+01	5.41E+01	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
	AVG. LUNG	2.69E+04	3.08E+04	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
	LIVER	3.51E-01	3.23E-01	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
	KIDNEY	4.67E+01	5.23E+01	1.21E+01	1.68E+01	1.08E+03	3.48E-01	1.32E+03
0	AMAD= 3.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	2.08E+03	2.33E+03	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
	BONE	3.56E+01	3.98E+01	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
	AVG. LUNG	1.70E+04	1.94E+04	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
	LIVER	2.48E-01	2.38E-01	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
	KIDNEY	3.44E+01	3.86E+01	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03
0	AMAD= 7.7 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	1.11E+03	1.25E+03	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
	BONE	3.60E+01	4.02E+01	1.18E+04	8.37E+02	7.46E+02	1.27E+01	3.00E+02
	AVG. LUNG	7.50E+03	8.38E+03	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
	LIVER	2.30E-01	2.47E-01	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
	KIDNEY	3.71E+01	4.20E+01	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03
0	AMAD=54.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	2.49E+00	2.74E+00	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
	BONE	2.04E+01	2.28E+01	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
	AVG. LUNG	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
	LIVER	1.09E-01	1.40E-01	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
	KIDNEY	2.10E+01	2.38E+01	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03
0	AMAD= 0.3 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	6.97E+03	7.81E+03	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
	BONE	8.37E+01	9.35E+01	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
	AVG. LUNG	5.84E+04	6.67E+04	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
	LIVER	6.15E-01	5.35E-01	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
	KIDNEY	7.63E+01	8.55E+01	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03



INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0	AMAD= 1.5 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	1.64E+03	1.84E+03	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
	BONE	3.23E+01	3.60E+01	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
	AVG. LUNG	1.32E+04	1.47E+04	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
	LIVER	1.62E-01	1.46E-01	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
	KIDNEY	2.04E+01	2.29E+01	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0	AMAD= 3.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	9.97E+02	1.12E+03	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
	BONE	2.38E+01	2.66E+01	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
	AVG. LUNG	8.32E+03	9.31E+03	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
	LIVER	1.14E-01	1.08E-01	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
	KIDNEY	1.51E+01	1.69E+01	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02
0	AMAD= 7.7 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	5.33E+02	5.97E+02	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
	BONE	1.46E+01	1.51E+01	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
	AVG. LUNG	3.59E+03	4.02E+03	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
	LIVER	7.77E-02	8.02E-02	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
	KIDNEY	1.14E+01	1.28E+01	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02
0	AMAD=54.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	1.19E+00	1.31E+00	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
	BONE	8.28E+00	8.54E+00	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
	AVG. LUNG	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
	LIVER	3.67E-02	4.54E-02	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
	KIDNEY	6.46E+00	7.24E+00	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02
0	AMAD= 0.3 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	3.34E+03	3.74E+03	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
	BONE	6.17E+01	6.89E+01	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
	AVG. LUNG	2.86E+04	3.20E+04	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
	LIVER	3.07E-01	2.68E-01	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
	KIDNEY	3.91E+01	4.38E+01	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02



INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0	AMAD= 1.5 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	8.55E+02	9.62E+02	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
	BONE	4.15E+01	4.63E+01	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
	AVG. LUNG	6.88E+03	7.69E+03	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
	LIVER	8.43E-02	7.30E-02	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
	KIDNEY	1.17E+01	1.31E+01	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0	AMAD= 3.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	5.20E+02	5.83E+02	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
	BONE	3.06E+01	3.41E+01	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
	AVG. LUNG	4.34E+03	4.85E+03	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
	LIVER	5.95E-02	5.38E-02	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
	KIDNEY	8.61E+00	9.64E+00	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0	AMAD= 7.7 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	2.78E+02	3.12E+02	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
	BONE	2.47E+01	2.77E+01	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
	AVG. LUNG	1.87E+03	2.09E+03	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
	LIVER	3.89E-02	3.86E-02	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
	KIDNEY	6.18E+00	6.92E+00	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0	AMAD=54.0 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	6.22E-01	6.85E-01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
	BONE	1.40E+01	1.57E+01	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
	AVG. LUNG	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
	LIVER	1.83E-02	2.19E-02	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
	KIDNEY	3.50E+00	3.92E+00	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0	AMAD= 0.3 µm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
	EFFECTIV	1.74E+03	1.95E+03	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
	BONE	7.49E+01	8.37E+01	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
	AVG. LUNG	1.49E+04	1.67E+04	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
	LIVER	1.54E-01	1.28E-01	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
	KIDNEY	2.05E+01	2.29E+01	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
0 AMAD= 1.5 µm							
EFFECTIV	7.13E+02	8.02E+02	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.30E+01	2.57E+01	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG. LUNG	5.73E+03	6.41E+03	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E-02
LIVER	7.03E-02	6.09E-02	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	9.73E+00	1.09E+01	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02
0 AMAD= 3.0 µm							
EFFECTIV	4.34E+02	4.85E+02	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	1.70E+01	1.90E+01	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG. LUNG	3.62E+03	4.05E+03	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	4.96E-02	4.48E-02	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	7.17E+00	8.03E+00	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02
0 AMAD= 7.7 µm							
EFFECTIV	2.32E+02	2.60E+02	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	1.12E+01	1.26E+01	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG. LUNG	1.56E+03	1.75E+03	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	2.99E-02	2.97E-02	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	4.75E+00	5.32E+00	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02
0 AMAD=54.0 µm							
EFFECTIV	5.18E-01	5.71E-01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	6.37E+00	7.12E+00	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG. LUNG	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	1.41E-02	1.68E-02	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	2.69E+00	3.01E+00	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02
0 AMAD= 0.3 µm							
EFFECTIV	1.45E+03	1.63E+03	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	4.41E+01	4.92E+01	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00
AVG. LUNG	1.24E+04	1.39E+04	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	1.40E-01	1.16E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.86E+01	2.08E+01	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3						1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

CONCENTRATION FACTOR	ENVIRONMENTAL CONCENTRATION FACTORS				Ra-226	Pb-210
	FOOD TYPE	U-238	Th-230			
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03	
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03	
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03	
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02	
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02	
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04	
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04	
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00	
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01	
FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01	
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00	
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00	

NO.	TIME STEP NAME	PAJUST	TIME STEP DEPENDENT VARIABLES							
			GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1	25-YEAR ACTION PERIO	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
2	4NWAREA	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
3	NEX = 0, NAS = 1, N	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
4	NODE =	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
5	1,2,3,4,	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
6	XS =	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
7	545,955,545,955,	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00
8	YS =	1.000E+00	9.274E+07	9.274E+07	9.268E+07	8.857E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFAC(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFAC(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	5.827E-03	7.382E-03	7.382E-03	7.365E-03	5.822E+01	5.283E+01	2.126E+01	8.334E+00	5.741E-06	1.933E-04
2.5	2.321E-03	2.938E-03	2.938E-03	2.931E-03	2.833E+01	2.688E+01	1.420E+01	7.805E+00	9.620E-06	1.288E-04
3.5	1.233E-03	1.541E-03	1.540E-03	1.537E-03	1.694E+01	1.648E+01	1.024E+01	6.833E+00	1.326E-05	9.436E-05
4.5	7.564E-04	9.349E-04	9.349E-04	9.327E-04	1.147E+01	1.130E+01	7.764E+00	5.767E+00	1.593E-05	7.251E-05
7.5	2.706E-04	3.338E-04	3.338E-04	3.331E-04	5.576E+00	5.561E+00	4.458E+00	3.741E+00	2.095E-05	4.228E-05
15.0	6.604E-05	8.139E-05	8.138E-05	8.120E-05	2.093E+00	2.094E+00	1.921E+00	1.749E+00	2.298E-05	1.842E-05
25.0	2.410E-05	2.969E-05	2.969E-05	2.962E-05	1.030E+00	1.031E+00	1.001E+00	9.588E-01	2.232E-05	9.711E-06
35.0	1.282E-05	1.579E-05	1.579E-05	1.576E-05	6.540E-01	6.544E-01	6.475E-01	6.348E-01	2.163E-05	6.325E-06
45.0	7.992E-06	9.845E-06	9.845E-06	9.822E-06	4.641E-01	4.644E-01	4.632E-01	4.589E-01	2.085E-05	4.538E-06
55.0	5.468E-06	6.737E-06	6.737E-06	6.721E-06	3.517E-01	3.519E-01	3.523E-01	3.510E-01	2.010E-05	3.458E-06
65.0	3.979E-06	4.904E-06	4.903E-06	4.892E-06	2.782E-01	2.784E-01	2.792E-01	2.790E-01	1.939E-05	2.743E-06
75.0	3.026E-06	3.730E-06	3.730E-06	3.721E-06	2.270E-01	2.271E-01	2.280E-01	2.283E-01	1.874E-05	2.241E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	3.332E+03	4.221E+03	4.218E+03	4.218E+03	0.000E+00	4.260E+03	4.260E+03	4.260E+03	1.526E+00
2.5	1.327E+03	1.680E+03	1.679E+03	1.679E+03	0.000E+00	1.700E+03	1.700E+03	1.700E+03	2.556E+00
3.5	7.050E+02	8.808E+02	8.803E+02	8.803E+02	0.000E+00	8.933E+02	8.933E+02	8.933E+02	3.524E+00
4.5	4.325E+02	5.346E+02	5.342E+02	5.342E+02	0.000E+00	5.432E+02	5.432E+02	5.432E+02	4.233E+00
7.5	1.547E+02	1.909E+02	1.908E+02	1.908E+02	0.000E+00	1.952E+02	1.952E+02	1.952E+02	5.566E+00
15.0	3.776E+01	4.654E+01	4.651E+01	4.651E+01	0.000E+00	4.816E+01	4.816E+01	4.816E+01	6.108E+00
25.0	1.378E+01	1.698E+01	1.697E+01	1.697E+01	0.000E+00	1.778E+01	1.778E+01	1.778E+01	5.931E+00
35.0	7.331E+00	9.030E+00	9.024E+00	9.024E+00	0.000E+00	9.543E+00	9.543E+00	9.543E+00	5.748E+00
45.0	4.570E+00	5.629E+00	5.626E+00	5.626E+00	0.000E+00	5.994E+00	5.994E+00	5.994E+00	5.541E+00
55.0	3.127E+00	3.852E+00	3.850E+00	3.850E+00	0.000E+00	4.128E+00	4.128E+00	4.128E+00	5.340E+00
65.0	2.275E+00	2.804E+00	2.802E+00	2.802E+00	0.000E+00	3.023E+00	3.023E+00	3.023E+00	5.153E+00
75.0	1.730E+00	2.133E+00	2.131E+00	2.131E+00	0.000E+00	2.311E+00	2.311E+00	2.311E+00	4.980E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	5.827E-05	7.382E-05	7.382E-05	7.367E-05
2.5	2.321E-05	2.938E-05	2.938E-05	2.934E-05
3.5	1.233E-05	1.541E-05	1.540E-05	1.541E-05
4.5	7.564E-06	9.349E-06	9.349E-06	9.375E-06
7.5	2.706E-06	3.338E-06	3.338E-06	3.393E-06
15.0	6.604E-07	8.139E-07	8.138E-07	8.809E-07
25.0	2.410E-07	2.969E-07	2.969E-07	3.632E-07
35.0	1.282E-07	1.579E-07	1.579E-07	2.225E-07
45.0	7.992E-08	9.845E-08	9.845E-08	1.608E-07
55.0	5.468E-08	6.737E-08	6.737E-08	1.275E-07
65.0	3.979E-08	4.904E-08	4.903E-08	1.071E-07
75.0	3.026E-08	3.730E-08	3.730E-08	9.343E-08



TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	5.893E-03	9.863E-03	9.863E-03	9.840E-03	1.137E+02	8.082E+01	1.437E+01	2.622E+00	8.239E-07	1.659E-04
2.5	2.501E-03	3.937E-03	3.937E-03	3.928E-03	5.031E+01	4.404E+01	1.649E+01	6.625E+00	5.111E-06	1.537E-04
3.5	1.367E-03	1.930E-03	1.929E-03	1.925E-03	2.447E+01	2.292E+01	1.140E+01	6.442E+00	9.210E-06	1.055E-04
4.5	8.613E-04	1.170E-03	1.170E-03	1.167E-03	1.570E+01	1.515E+01	8.762E+00	5.803E+00	1.264E-05	8.167E-03
7.5	3.274E-04	4.237E-04	4.236E-04	4.227E-04	6.699E+00	6.650E+00	4.758E+00	3.708E+00	1.775E-05	4.481E-05
15.0	8.636E-05	1.087E-04	1.087E-04	1.084E-04	2.305E+00	2.306E+00	2.000E+00	1.732E+00	1.966E-05	1.898E-05
25.0	3.271E-05	4.078E-05	4.078E-05	4.068E-05	1.096E+00	1.097E+00	1.037E+00	9.646E-01	1.911E-05	9.986E-06
35.0	1.751E-05	2.175E-05	2.175E-05	2.170E-05	6.836E-01	6.840E-01	6.674E-01	6.423E-01	1.851E-05	6.484E-06
45.0	1.094E-05	1.357E-05	1.357E-05	1.354E-05	4.823E-01	4.826E-01	4.775E-01	4.675E-01	1.792E-05	4.662E-06
55.0	7.488E-06	9.298E-06	9.297E-06	9.276E-06	3.656E-01	3.658E-01	3.645E-01	3.603E-01	1.739E-05	3.569E-06
65.0	5.451E-06	6.773E-06	6.772E-06	6.757E-06	2.894E-01	2.895E-01	2.895E-01	2.879E-01	1.686E-05	2.840E-06
75.0	4.147E-06	5.155E-06	5.155E-06	5.143E-06	2.362E-01	2.363E-01	2.368E-01	2.363E-01	1.634E-05	2.325E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	3.369E+03	5.640E+03	5.636E+03	5.636E+03	0.000E+00	5.700E+03	5.700E+03	5.700E+03	2.189E-01	
2.5	1.430E+03	2.251E+03	2.250E+03	2.250E+03	0.000E+00	2.284E+03	2.284E+03	2.284E+03	1.358E+00	
3.5	7.817E+02	1.103E+03	1.103E+03	1.103E+03	0.000E+00	1.121E+03	1.121E+03	1.121E+03	2.447E+00	
4.5	4.925E+02	6.690E+02	6.685E+02	6.685E+02	0.000E+00	6.805E+02	6.805E+02	6.805E+02	3.359E+00	
7.5	1.872E+02	2.422E+02	2.421E+02	2.421E+02	0.000E+00	2.474E+02	2.474E+02	2.474E+02	4.716E+00	
15.0	4.938E+01	6.213E+01	6.209E+01	6.209E+01	0.000E+00	6.391E+01	6.391E+01	6.391E+01	5.224E+00	
25.0	1.871E+01	2.332E+01	2.330E+01	2.330E+01	0.000E+00	2.417E+01	2.417E+01	2.417E+01	5.077E+00	
35.0	1.001E+01	1.243E+01	1.243E+01	1.243E+01	0.000E+00	1.297E+01	1.297E+01	1.297E+01	4.919E+00	
45.0	6.253E+00	7.760E+00	7.755E+00	7.755E+00	0.000E+00	8.137E+00	8.137E+00	8.137E+00	4.763E+00	
55.0	4.281E+00	5.316E+00	5.313E+00	5.313E+00	0.000E+00	5.603E+00	5.603E+00	5.603E+00	4.622E+00	
65.0	3.117E+00	3.873E+00	3.870E+00	3.870E+00	0.000E+00	4.099E+00	4.099E+00	4.099E+00	4.480E+00	
75.0	2.371E+00	2.947E+00	2.946E+00	2.946E+00	0.000E+00	3.133E+00	3.133E+00	3.133E+00	4.343E+00	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	5.893E-05	9.863E-05	9.863E-05	9.841E-05
2.5	2.501E-05	3.937E-05	3.937E-05	3.929E-05
3.5	1.367E-05	1.930E-05	1.929E-05	1.928E-05
4.5	8.613E-06	1.170E-05	1.170E-05	1.171E-05
7.5	3.274E-06	4.237E-06	4.236E-06	4.280E-06
15.0	8.636E-07	1.087E-06	1.087E-06	1.143E-06
25.0	3.271E-07	4.078E-07	4.078E-07	4.641E-07
35.0	1.751E-07	2.175E-07	2.175E-07	2.725E-07
45.0	1.094E-07	1.357E-07	1.357E-07	1.892E-07
55.0	7.488E-08	9.298E-08	9.297E-08	1.449E-07
65.0	5.451E-08	6.773E-08	6.772E-08	1.181E-07
75.0	4.147E-08	5.155E-08	5.155E-08	1.005E-07

TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.287E-03	4.178E-03	4.178E-03	4.168E-03	2.913E+01	1.947E+01	3.631E+00	8.066E-01	3.397E-07	4.148E-05
2.5	1.524E-03	2.202E-03	2.202E-03	2.196E-03	2.427E+01	2.067E+01	7.327E+00	3.017E+00	2.509E-06	6.969E-05
3.5	8.535E-04	1.161E-03	1.161E-03	1.158E-03	1.336E+01	1.241E+01	5.891E+00	3.308E+00	4.884E-06	5.499E-05
4.5	5.424E-04	7.194E-04	7.194E-04	7.177E-04	8.950E+00	8.616E+00	4.811E+00	3.149E+00	7.000E-06	4.501E-05
7.5	2.073E-04	2.658E-04	2.658E-04	2.652E-04	4.068E+00	4.040E+00	2.865E+00	2.215E+00	1.068E-05	2.695E-05
15.0	5.445E-05	6.839E-05	6.839E-05	6.823E-05	1.474E+00	1.474E+00	1.288E+00	1.118E+00	1.283E-05	1.222E-05
25.0	2.053E-05	2.560E-05	2.560E-05	2.554E-05	7.174E-01	7.178E-01	6.832E-01	6.389E-01	1.293E-05	6.586E-06
35.0	1.099E-05	1.365E-05	1.365E-05	1.362E-05	4.516E-01	4.519E-01	4.431E-01	4.286E-01	1.270E-05	4.310E-06
45.0	6.864E-06	8.512E-06	8.511E-06	8.492E-06	3.190E-01	3.192E-01	3.169E-01	3.116E-01	1.233E-05	3.098E-06
55.0	4.700E-06	5.829E-06	5.829E-06	5.815E-06	2.418E-01	2.420E-01	2.416E-01	2.396E-01	1.197E-05	2.368E-06
65.0	3.422E-06	4.247E-06	4.247E-06	4.237E-06	1.916E-01	1.918E-01	1.920E-01	1.914E-01	1.162E-05	1.885E-06
75.0	2.603E-06	3.233E-06	3.233E-06	3.225E-06	1.565E-01	1.566E-01	1.571E-01	1.570E-01	1.127E-05	1.544E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.879E+03	2.389E+03	2.387E+03	2.387E+03	0.000E+00	2.403E+03	2.403E+03	2.403E+03	9.027E-02
2.5	8.712E+02	1.259E+03	1.258E+03	1.258E+03	0.000E+00	1.274E+03	1.274E+03	1.274E+03	6.668E-01
3.5	4.880E+02	6.636E+02	6.632E+02	6.632E+02	0.000E+00	6.730E+02	6.730E+02	6.730E+02	1.298E+00
4.5	3.102E+02	4.113E+02	4.111E+02	4.111E+02	0.000E+00	4.179E+02	4.179E+02	4.179E+02	1.860E+00
7.5	1.185E+02	1.520E+02	1.519E+02	1.519E+02	0.000E+00	1.551E+02	1.551E+02	1.551E+02	2.837E+00
15.0	3.113E+01	3.911E+01	3.908E+01	3.908E+01	0.000E+00	4.025E+01	4.025E+01	4.025E+01	3.410E+00
25.0	1.174E+01	1.464E+01	1.463E+01	1.463E+01	0.000E+00	1.520E+01	1.520E+01	1.520E+01	3.436E+00
35.0	6.283E+00	7.806E+00	7.801E+00	7.801E+00	0.000E+00	8.159E+00	8.159E+00	8.159E+00	3.375E+00
45.0	3.925E+00	4.867E+00	4.864E+00	4.864E+00	0.000E+00	5.117E+00	5.117E+00	5.117E+00	3.277E+00
55.0	2.687E+00	3.333E+00	3.331E+00	3.331E+00	0.000E+00	3.522E+00	3.522E+00	3.522E+00	3.181E+00
65.0	1.956E+00	2.428E+00	2.427E+00	2.427E+00	0.000E+00	2.579E+00	2.579E+00	2.579E+00	3.087E+00
75.0	1.488E+00	1.849E+00	1.847E+00	1.847E+00	0.000E+00	1.971E+00	1.971E+00	1.971E+00	2.996E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.287E-05	4.178E-05	4.178E-05	4.168E-05
2.5	1.524E-05	2.202E-05	2.202E-05	2.197E-05
3.5	8.535E-06	1.161E-05	1.161E-05	1.159E-05
4.5	5.424E-06	7.194E-06	7.194E-06	7.198E-06
7.5	2.073E-06	2.658E-06	2.658E-06	2.684E-06
15.0	5.445E-07	6.839E-07	6.839E-07	7.208E-07
25.0	2.053E-07	2.560E-07	2.560E-07	2.942E-07
35.0	1.099E-07	1.365E-07	1.365E-07	1.743E-07
45.0	6.864E-08	8.512E-08	8.511E-08	1.219E-07
55.0	4.700E-08	5.829E-08	5.829E-08	9.406E-08
65.0	3.422E-08	4.247E-08	4.247E-08	7.722E-08
75.0	2.603E-08	3.233E-08	3.233E-08	6.608E-08

TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.114E-04	9.733E-04	9.732E-04	9.710E-04	1.408E+01	1.348E+01	7.011E+00	3.773E+00	4.553E-06	6.350E-05
2.5	2.718E-04	4.082E-04	4.082E-04	4.073E-04	6.497E+00	6.369E+00	4.052E+00	2.693E+00	5.146E-06	3.715E-05
3.5	1.449E-04	2.106E-04	2.105E-04	2.101E-04	3.744E+00	3.708E+00	2.665E+00	1.999E+00	5.471E-06	2.479E-05
4.5	8.702E-05	1.264E-04	1.264E-04	1.261E-04	2.602E+00	2.589E+00	2.003E+00	1.611E+00	5.851E-06	1.883E-05
7.5	2.799E-05	4.039E-05	4.039E-05	4.030E-05	1.181E+00	1.181E+00	1.027E+00	9.062E-01	6.061E-06	9.805E-06
15.0	5.371E-06	7.559E-06	7.558E-06	7.541E-06	3.919E-01	3.921E-01	3.757E-01	3.562E-01	5.418E-06	3.637E-06
25.0	1.659E-06	2.234E-06	2.234E-06	2.229E-06	1.770E-01	1.771E-01	1.754E-01	1.723E-01	4.747E-06	1.714E-06
35.0	8.039E-07	1.045E-06	1.045E-06	1.043E-06	1.067E-01	1.067E-01	1.067E-01	1.061E-01	4.342E-06	1.047E-06
45.0	4.692E-07	5.951E-07	5.951E-07	5.937E-07	7.329E-02	7.333E-02	7.352E-02	7.348E-02	4.044E-06	7.224E-07
55.0	3.047E-07	3.796E-07	3.796E-07	3.787E-07	5.429E-02	5.432E-02	5.453E-02	5.461E-02	3.809E-06	5.361E-07
65.0	2.122E-07	2.610E-07	2.610E-07	2.604E-07	4.222E-02	4.224E-02	4.244E-02	4.254E-02	3.615E-06	4.174E-07
75.0	1.555E-07	1.895E-07	1.895E-07	1.891E-07	3.405E-02	3.407E-02	3.423E-02	3.434E-02	3.456E-06	3.367E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	3.496E+02	5.565E+02	5.561E+02	5.561E+02	0.000E+00	5.668E+02	5.668E+02	5.668E+02	1.210E+00
2.5	1.554E+02	2.334E+02	2.333E+02	2.333E+02	0.000E+00	2.383E+02	2.383E+02	2.383E+02	1.368E+00
3.5	8.286E+01	1.204E+02	1.203E+02	1.203E+02	0.000E+00	1.233E+02	1.233E+02	1.233E+02	1.454E+00
4.5	4.976E+01	7.227E+01	7.223E+01	7.223E+01	0.000E+00	7.428E+01	7.428E+01	7.428E+01	1.555E+00
7.5	1.600E+01	2.309E+01	2.308E+01	2.308E+01	0.000E+00	2.402E+01	2.402E+01	2.402E+01	1.610E+00
15.0	3.071E+00	4.322E+00	4.319E+00	4.319E+00	0.000E+00	4.630E+00	4.630E+00	4.630E+00	1.440E+00
25.0	9.488E-01	1.277E+00	1.277E+00	1.277E+00	0.000E+00	1.417E+00	1.417E+00	1.417E+00	1.261E+00
35.0	4.597E-01	5.976E-01	5.972E-01	5.972E-01	0.000E+00	6.817E-01	6.817E-01	6.817E-01	1.154E+00
45.0	2.683E-01	3.403E-01	3.401E-01	3.401E-01	0.000E+00	3.981E-01	3.981E-01	3.981E-01	1.075E+00
55.0	1.742E-01	2.171E-01	2.169E-01	2.169E-01	0.000E+00	2.600E-01	2.600E-01	2.600E-01	1.012E+00
65.0	1.214E-01	1.492E-01	1.491E-01	1.491E-01	0.000E+00	1.826E-01	1.826E-01	1.826E-01	9.606E-01
75.0	8.890E-02	1.083E-01	1.083E-01	1.083E-01	0.000E+00	1.353E-01	1.353E-01	1.353E-01	9.182E-01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.114E-06	9.733E-06	9.732E-06	9.723E-06
2.5	2.718E-06	4.082E-06	4.082E-06	4.088E-06
3.5	1.449E-06	2.106E-06	2.105E-06	2.117E-06
4.5	8.702E-07	1.264E-06	1.264E-06	1.279E-06
7.5	2.799E-07	4.039E-07	4.039E-07	4.211E-07
15.0	5.371E-08	7.559E-08	7.558E-08	9.166E-08
25.0	1.659E-08	2.234E-08	2.234E-08	3.653E-08
35.0	8.039E-09	1.045E-08	1.045E-08	2.345E-08
45.0	4.692E-09	5.951E-09	5.951E-09	1.807E-08
55.0	3.047E-09	3.796E-09	3.796E-09	1.521E-08
65.0	2.122E-09	2.610E-09	2.610E-09	1.345E-08
75.0	1.555E-09	1.895E-09	1.895E-09	1.226E-08

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.080E-03	3.400E-03	3.400E-03	3.392E-03	1.795E+01	1.700E+01	9.622E+00	5.683E+00	8.060E-06	8.748E-05
2.5	1.386E-03	1.557E-03	1.557E-03	1.553E-03	1.139E+01	1.114E+01	7.458E+00	5.276E+00	1.154E-05	6.896E-05
3.5	7.593E-04	8.632E-04	8.632E-04	8.612E-04	7.971E+00	7.888E+00	5.824E+00	4.550E+00	1.400E-05	5.462E-05
4.5	4.690E-04	5.378E-04	5.378E-04	5.366E-04	5.986E+00	5.956E+00	4.679E+00	3.865E+00	1.567E-05	4.427E-05
7.5	1.650E-04	1.924E-04	1.924E-04	1.920E-04	3.228E+00	3.227E+00	2.800E+00	2.480E+00	1.801E-05	2.677E-05
15.0	3.785E-05	4.516E-05	4.516E-05	4.506E-05	1.343E+00	1.343E+00	1.277E+00	1.200E+00	1.870E-05	1.233E-05
25.0	1.326E-05	1.603E-05	1.603E-05	1.599E-05	6.955E-01	6.959E-01	6.859E-01	6.691E-01	1.807E-05	6.690E-06
35.0	6.995E-06	8.496E-06	8.496E-06	8.476E-06	4.514E-01	4.517E-01	4.504E-01	4.461E-01	1.749E-05	4.413E-06
45.0	4.339E-06	5.283E-06	5.282E-06	5.270E-06	3.244E-01	3.246E-01	3.251E-01	3.241E-01	1.685E-05	3.192E-06
55.0	2.954E-06	3.608E-06	3.608E-06	3.600E-06	2.492E-01	2.493E-01	2.502E-01	2.503E-01	1.633E-05	2.459E-06
65.0	2.137E-06	2.618E-06	2.618E-06	2.612E-06	1.991E-01	1.992E-01	2.001E-01	2.005E-01	1.583E-05	1.967E-06
75.0	1.615E-06	1.982E-06	1.982E-06	1.977E-06	1.635E-01	1.636E-01	1.644E-01	1.649E-01	1.535E-05	1.617E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.761E+03	1.944E+03	1.943E+03	1.943E+03	0.000E+00	1.956E+03	1.956E+03	1.956E+03	2.142E+00	
2.5	7.924E+02	8.902E+02	8.896E+02	8.896E+02	0.000E+00	8.985E+02	8.985E+02	8.985E+02	3.067E+00	
3.5	4.341E+02	4.936E+02	4.933E+02	4.933E+02	0.000E+00	4.995E+02	4.995E+02	4.995E+02	3.721E+00	
4.5	2.682E+02	3.075E+02	3.073E+02	3.073E+02	0.000E+00	3.121E+02	3.121E+02	3.121E+02	4.164E+00	
7.5	9.432E+01	1.100E+02	1.100E+02	1.100E+02	0.000E+00	1.125E+02	1.125E+02	1.125E+02	4.786E+00	
15.0	2.164E+01	2.582E+01	2.581E+01	2.581E+01	0.000E+00	2.687E+01	2.687E+01	2.687E+01	4.970E+00	
25.0	7.580E+00	9.166E+00	9.160E+00	9.160E+00	0.000E+00	9.711E+00	9.711E+00	9.711E+00	4.802E+00	
35.0	4.000E+00	4.858E+00	4.855E+00	4.855E+00	0.000E+00	5.213E+00	5.213E+00	5.213E+00	4.647E+00	
45.0	2.481E+00	3.021E+00	3.019E+00	3.019E+00	0.000E+00	3.276E+00	3.276E+00	3.276E+00	4.478E+00	
55.0	1.689E+00	2.063E+00	2.062E+00	2.062E+00	0.000E+00	2.259E+00	2.259E+00	2.259E+00	4.340E+00	
65.0	1.222E+00	1.497E+00	1.496E+00	1.496E+00	0.000E+00	1.654E+00	1.654E+00	1.654E+00	4.207E+00	
75.0	9.234E-01	1.133E+00	1.133E+00	1.133E+00	0.000E+00	1.262E+00	1.262E+00	1.262E+00	4.079E+00	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.080E-05	3.400E-05	3.400E-05	3.394E-05
2.5	1.386E-05	1.557E-05	1.557E-05	1.557E-05
3.5	7.593E-06	8.632E-06	8.632E-06	8.654E-06
4.5	4.690E-06	5.378E-06	5.378E-06	5.413E-06
7.5	1.650E-06	1.924E-06	1.924E-06	1.974E-06
15.0	3.785E-07	4.516E-07	4.516E-07	5.067E-07
25.0	1.326E-07	1.603E-07	1.603E-07	2.141E-07
35.0	6.995E-08	8.496E-08	8.496E-08	1.372E-07
45.0	4.339E-08	5.283E-08	5.282E-08	1.033E-07
55.0	2.954E-08	3.608E-08	3.608E-08	8.500E-08
65.0	2.137E-08	2.618E-08	2.618E-08	7.362E-08
75.0	1.615E-08	1.982E-08	1.982E-08	6.583E-08

TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.181E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.053E-02	5.849E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.614E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.459E-02	3.092E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.353E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.669E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.374E-04	6.249E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.293E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.503E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 9.757E-02 PERSON-REM/YR

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.797E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.167E-02	4.539E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.807E-03	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.786E-01	2.401E-02
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.835E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.886E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.833E-03	4.832E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.002E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.942E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 7.569E-01 PERSON-REM/YR

TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.047E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.570E-02	3.044E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.904E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.217E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.596E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.201E-03	3.057E-04	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.227E-03	0.000E+00

TOTAL DOSE COMMITMENT IS 5.016E-01 PERSON-REM/YR

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHC 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.851E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.051E-01	1.266E-02	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.472E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.461E+00	6.362E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.318E-02	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.494E-03	2.189E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.750E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.612E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.024E+00 PERSON-REM/YR



TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.239E-04	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.752E-04	3.164E-05	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.975E-05	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.977E-03	1.632E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.283E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.899E-05	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.268E-05	3.271E-06	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.629E-05	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.306E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 5.207E-03 PERSON-REM/YR



TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0	
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.619E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.696E-03	1.078E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.220E-05	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.262E-02	5.541E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.794E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.036E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.532E-05	1.921E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.186E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.663E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.744E-02 PERSON-REM/YR

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.333E-02	8.850E-03	6.505E-03	5.090E-03	1.530E-02	1.564E-02	1.044E-02	8.685E-03	7.849E-03	7.422E-03	7.213E-03	7.129E-03
NNE	1.492E-02	1.028E-02	7.105E-03	5.558E-03	1.667E-02	1.726E-02	1.147E-02	9.323E-03	8.224E-03	7.604E-03	7.255E-03	7.070E-03
NE	1.756E-02	1.172E-02	8.086E-03	6.327E-03	1.928E-02	2.041E-02	1.356E-02	1.090E-02	9.514E-03	8.720E-03	8.236E-03	7.935E-03
ENE	1.464E-02	1.076E-02	7.324E-03	5.577E-03	1.641E-02	1.693E-02	1.122E-02	9.116E-03	8.025E-03	7.399E-03	7.027E-03	6.804E-03
E	7.540E-03	6.581E-03	4.873E-03	3.894E-03	1.210E-02	1.287E-02	8.577E-03	6.944E-03	6.099E-03	5.624E-03	5.346E-03	5.182E-03
ESE	4.207E-03	3.522E-03	2.932E-03	2.473E-03	8.433E-03	9.811E-03	6.721E-03	5.391E-03	4.647E-03	4.183E-03	3.877E-03	3.670E-03
SE	1.746E-03	1.171E-03	9.421E-04	7.975E-04	2.757E-03	3.238E-03	2.245E-03	1.815E-03	1.579E-03	1.435E-03	1.344E-03	1.284E-03
SSE	7.263E-04	4.304E-04	2.043E-04	1.546E-04	4.325E-04	4.314E-04	2.951E-04	2.442E-04	2.160E-04	1.980E-04	1.856E-04	1.767E-04
S	1.738E-03	1.221E-03	8.853E-04	6.865E-04	1.872E-03	1.574E-03	9.874E-04	8.456E-04	8.087E-04	8.117E-04	8.329E-04	8.643E-04
SSW	4.258E-03	3.369E-03	2.702E-03	2.226E-03	7.115E-03	7.526E-03	4.927E-03	3.959E-03	3.489E-03	3.247E-03	3.137E-03	3.102E-03
SW	6.038E-03	4.834E-03	3.893E-03	3.224E-03	1.043E-02	1.111E-02	7.293E-03	5.872E-03	5.194E-03	4.853E-03	4.687E-03	4.622E-03
WSW	5.671E-03	4.359E-03	3.404E-03	2.748E-03	8.415E-03	8.498E-03	5.676E-03	4.810E-03	4.437E-03	4.281E-03	4.238E-03	4.258E-03
W	6.193E-03	4.728E-03	3.672E-03	2.949E-03	8.911E-03	8.931E-03	6.046E-03	5.222E-03	4.895E-03	4.796E-03	4.804E-03	4.870E-03
WNW	8.252E-03	6.230E-03	4.850E-03	3.901E-03	1.178E-02	1.169E-02	7.784E-03	6.644E-03	6.201E-03	6.055E-03	6.062E-03	6.170E-03
NW	9.316E-03	6.882E-03	5.208E-03	4.177E-03	1.275E-02	1.296E-02	8.602E-03	7.212E-03	6.574E-03	6.269E-03	6.140E-03	6.111E-03
NNW	9.850E-03	6.965E-03	5.117E-03	4.051E-03	1.224E-02	1.249E-02	8.414E-03	7.073E-03	6.446E-03	6.134E-03	5.989E-03	5.940E-03

TOTAL DOSE COMMITMENT IS 1.199E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.610E-01	1.069E-01	7.857E-02	6.147E-02	1.847E-01	1.879E-01	1.244E-01	1.026E-01	9.190E-02	8.623E-02	8.322E-02	8.175E-02
NNE	1.800E-01	1.240E-01	8.575E-02	6.708E-02	2.011E-01	2.075E-01	1.371E-01	1.106E-01	9.683E-02	8.888E-02	8.424E-02	8.160E-02
NE	2.115E-01	1.412E-01	9.755E-02	7.634E-02	2.326E-01	2.456E-01	1.623E-01	1.297E-01	1.124E-01	1.024E-01	9.608E-02	9.204E-02
ENE	1.762E-01	1.295E-01	8.829E-02	6.726E-02	1.979E-01	2.036E-01	1.342E-01	1.083E-01	9.464E-02	8.666E-02	8.178E-02	7.873E-02
E	9.107E-02	7.938E-02	5.881E-02	4.701E-02	1.460E-01	1.548E-01	1.026E-01	8.250E-02	7.195E-02	6.589E-02	6.224E-02	5.997E-02
ESE	5.090E-02	4.258E-02	3.543E-02	2.988E-02	1.018E-01	1.182E-01	8.069E-02	6.443E-02	5.526E-02	4.949E-02	4.564E-02	4.299E-02
SE	2.108E-02	1.416E-02	1.140E-02	9.643E-03	3.330E-02	3.901E-02	2.692E-02	2.163E-02	1.870E-02	1.690E-02	1.573E-02	1.494E-02
SSE	8.719E-03	5.168E-03	2.458E-03	1.860E-03	5.195E-03	5.153E-03	3.502E-03	2.882E-03	2.536E-03	2.314E-03	2.160E-03	2.048E-03
S	2.095E-02	1.472E-02	1.067E-02	8.273E-03	2.250E-02	1.874E-02	1.155E-02	9.740E-03	9.202E-03	9.152E-03	9.330E-03	9.634E-03
SSW	5.146E-02	4.072E-02	3.265E-02	2.689E-02	8.585E-02	9.042E-02	5.871E-02	4.673E-02	4.080E-02	3.763E-02	3.608E-02	3.543E-02
SW	7.304E-02	5.846E-02	4.707E-02	3.897E-02	1.259E-01	1.336E-01	8.698E-02	6.939E-02	6.080E-02	5.631E-02	5.396E-02	5.286E-02
WSW	6.859E-02	5.271E-02	4.114E-02	3.321E-02	1.015E-01	1.020E-01	6.742E-02	5.652E-02	5.162E-02	4.937E-02	4.851E-02	4.844E-02
W	7.492E-02	5.717E-02	4.439E-02	3.564E-02	1.075E-01	1.071E-01	7.165E-02	6.120E-02	5.678E-02	5.514E-02	5.484E-02	5.525E-02
WNW	9.982E-02	7.534E-02	5.864E-02	4.714E-02	1.422E-01	1.402E-01	9.221E-02	7.776E-02	7.178E-02	6.945E-02	6.900E-02	6.980E-02
NW	1.127E-01	8.318E-02	6.294E-02	5.047E-02	1.539E-01	1.556E-01	1.023E-01	8.491E-02	7.669E-02	7.253E-02	7.052E-02	6.975E-02
NNW	1.191E-01	8.414E-02	6.181E-02	4.893E-02	1.477E-01	1.500E-01	1.002E-01	8.342E-02	7.537E-02	7.116E-02	6.900E-02	6.802E-02

TOTAL DOSE COMMITMENT IS 1.427E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.245E-03	3.483E-03	2.559E-03	2.002E-03	6.030E-03	6.200E-03	4.189E-03	3.528E-03	3.226E-03	3.083E-03	3.024E-03	3.013E-03
NNE	5.888E-03	4.060E-03	2.801E-03	2.190E-03	6.572E-03	6.835E-03	4.585E-03	3.765E-03	3.356E-03	3.133E-03	3.016E-03	2.962E-03
NE	6.958E-03	4.638E-03	3.192E-03	2.495E-03	7.602E-03	8.074E-03	5.405E-03	4.383E-03	3.862E-03	3.572E-03	3.402E-03	3.303E-03
ENE	5.805E-03	4.265E-03	2.897E-03	2.203E-03	6.475E-03	6.700E-03	4.479E-03	3.674E-03	3.266E-03	3.040E-03	2.912E-03	2.842E-03
E	2.968E-03	2.599E-03	1.922E-03	1.535E-03	4.769E-03	5.091E-03	3.422E-03	2.797E-03	2.481E-03	2.310E-03	2.215E-03	2.164E-03
ESE	1.648E-03	1.383E-03	1.152E-03	9.721E-04	3.318E-03	3.872E-03	2.667E-03	2.154E-03	1.870E-03	1.695E-03	1.582E-03	1.507E-03
SE	6.881E-04	4.592E-04	3.694E-04	3.129E-04	1.083E-03	1.278E-03	8.928E-04	7.276E-04	6.386E-04	5.856E-04	5.527E-04	5.319E-04
SSE	2.902E-04	1.719E-04	8.105E-05	6.135E-05	1.719E-04	1.726E-04	1.191E-04	9.930E-05	8.843E-05	8.157E-05	7.692E-05	7.361E-05
S	6.881E-04	4.829E-04	3.499E-04	2.715E-04	7.423E-04	6.329E-04	4.066E-04	3.554E-04	3.452E-04	3.504E-04	3.625E-04	3.785E-04
SSW	1.672E-03	1.324E-03	1.062E-03	8.754E-04	2.803E-03	2.983E-03	1.976E-03	1.609E-03	1.437E-03	1.353E-03	1.321E-03	1.318E-03
SW	2.367E-03	1.896E-03	1.528E-03	1.266E-03	4.103E-03	4.400E-03	2.921E-03	2.383E-03	2.136E-03	2.019E-03	1.970E-03	1.960E-03
WSW	2.224E-03	1.711E-03	1.337E-03	1.080E-03	3.313E-03	3.373E-03	2.287E-03	1.967E-03	1.840E-03	1.796E-03	1.795E-03	1.818E-03
W	2.427E-03	1.854E-03	1.441E-03	1.158E-03	3.508E-03	3.551E-03	2.444E-03	2.144E-03	2.037E-03	2.019E-03	2.042E-03	2.087E-03
WNW	3.235E-03	2.443E-03	1.903E-03	1.532E-03	4.639E-03	4.648E-03	3.148E-03	2.733E-03	2.588E-03	2.558E-03	2.586E-03	2.653E-03
NW	3.654E-03	2.703E-03	2.046E-03	1.642E-03	5.022E-03	5.145E-03	3.461E-03	2.941E-03	2.716E-03	2.619E-03	2.589E-03	2.598E-03
NNW	3.870E-03	2.740E-03	2.013E-03	1.594E-03	4.824E-03	4.957E-03	3.380E-03	2.878E-03	2.654E-03	2.553E-03	2.516E-03	2.515E-03

TOTAL DOSE COMMITMENT IS 4.815E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0  
 EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	6.479E-02	4.302E-02	3.161E-02	2.473E-02	7.440E-02	7.617E-02	5.106E-02	4.264E-02	3.869E-02	3.671E-02	3.579E-02	3.547E-02
NNE	7.269E-02	5.011E-02	3.458E-02	2.704E-02	8.109E-02	8.405E-02	5.602E-02	4.568E-02	4.044E-02	3.751E-02	3.589E-02	3.507E-02
NE	8.582E-02	5.722E-02	3.940E-02	3.080E-02	9.380E-02	9.937E-02	6.618E-02	5.334E-02	4.670E-02	4.293E-02	4.066E-02	3.928E-02
ENE	7.159E-02	5.260E-02	3.574E-02	2.718E-02	7.988E-02	8.243E-02	5.479E-02	4.465E-02	3.943E-02	3.647E-02	3.473E-02	3.372E-02
E	3.666E-02	3.208E-02	2.372E-02	1.895E-02	5.885E-02	6.265E-02	4.187E-02	3.400E-02	2.996E-02	2.771E-02	2.642E-02	2.568E-02
ESE	2.038E-02	1.709E-02	1.424E-02	1.201E-02	4.097E-02	4.772E-02	3.275E-02	2.633E-02	2.274E-02	2.052E-02	1.906E-02	1.808E-02
SE	8.497E-03	5.676E-03	4.566E-03	3.866E-03	1.338E-02	1.574E-02	1.094E-02	8.871E-03	7.740E-03	7.058E-03	6.626E-03	6.344E-03
SSE	3.573E-03	2.116E-03	9.988E-04	7.557E-04	2.113E-03	2.110E-03	1.446E-03	1.200E-03	1.063E-03	9.766E-04	9.173E-04	8.747E-04
S	8.489E-03	5.957E-03	4.317E-03	3.348E-03	9.135E-03	7.713E-03	4.874E-03	4.201E-03	4.038E-03	4.068E-03	4.186E-03	4.352E-03
SSW	2.066E-02	1.636E-02	1.312E-02	1.081E-02	3.458E-02	3.665E-02	2.409E-02	1.944E-02	1.721E-02	1.608E-02	1.559E-02	1.546E-02
SW	2.926E-02	2.343E-02	1.888E-02	1.564E-02	5.064E-02	5.409E-02	3.563E-02	2.881E-02	2.560E-02	2.401E-02	2.327E-02	2.302E-02
WSW	2.749E-02	2.114E-02	1.651E-02	1.334E-02	4.087E-02	4.139E-02	2.779E-02	2.367E-02	2.193E-02	2.124E-02	2.110E-02	2.126E-02
W	3.000E-02	2.292E-02	1.781E-02	1.431E-02	4.327E-02	4.352E-02	2.963E-02	2.573E-02	2.423E-02	2.383E-02	2.395E-02	2.434E-02
WNW	3.999E-02	3.020E-02	2.352E-02	1.892E-02	5.722E-02	5.698E-02	3.815E-02	3.275E-02	3.072E-02	3.012E-02	3.025E-02	3.088E-02
NW	4.516E-02	3.340E-02	2.528E-02	2.028E-02	6.195E-02	6.315E-02	4.209E-02	3.545E-02	3.245E-02	3.106E-02	3.052E-02	3.046E-02
NNW	4.782E-02	3.385E-02	2.486E-02	1.968E-02	5.951E-02	6.086E-02	4.116E-02	3.474E-02	3.179E-02	3.036E-02	2.973E-02	2.957E-02

TOTAL DOSE COMMITMENT IS 5.865E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	4.408E-04	2.926E-04	2.154E-04	1.687E-04	5.051E-04	5.054E-04	3.242E-04	2.578E-04	2.226E-04	2.017E-04	1.884E-04	1.798E-04
NNE	4.854E-04	3.331E-04	2.328E-04	1.825E-04	5.477E-04	5.594E-04	3.607E-04	2.827E-04	2.400E-04	2.137E-04	1.966E-04	1.851E-04
NE	5.588E-04	3.759E-04	2.631E-04	2.069E-04	6.330E-04	6.639E-04	4.303E-04	3.354E-04	2.830E-04	2.506E-04	2.288E-04	2.136E-04
ENE	4.635E-04	3.408E-04	2.357E-04	1.810E-04	5.368E-04	5.495E-04	3.546E-04	2.783E-04	2.362E-04	2.100E-04	1.927E-04	1.806E-04
E	2.493E-04	2.135E-04	1.594E-04	1.278E-04	3.978E-04	4.184E-04	2.713E-04	2.124E-04	1.799E-04	1.599E-04	1.468E-04	1.377E-04
ESE	1.424E-04	1.179E-04	9.766E-05	8.226E-05	2.797E-04	3.221E-04	2.166E-04	1.698E-04	1.428E-04	1.252E-04	1.131E-04	1.043E-04
SE	5.730E-05	3.944E-05	3.177E-05	2.683E-05	9.203E-05	1.064E-04	7.191E-05	5.645E-05	4.760E-05	4.192E-05	3.804E-05	3.527E-05
SSE	2.204E-05	1.313E-05	6.470E-06	4.905E-06	1.372E-05	1.345E-05	8.948E-06	7.210E-06	6.216E-06	5.559E-06	5.091E-06	4.738E-06
S	5.565E-05	3.936E-05	2.863E-05	2.216E-05	5.986E-05	4.810E-05	2.768E-05	2.180E-05	1.943E-05	1.844E-05	1.813E-05	1.820E-05
SSW	1.423E-04	1.125E-04	9.001E-05	7.401E-05	2.352E-04	2.436E-04	1.532E-04	1.173E-04	9.830E-05	8.713E-05	8.046E-05	7.638E-05
SW	2.040E-04	1.628E-04	1.308E-04	1.081E-04	3.471E-04	3.618E-04	2.280E-04	1.750E-04	1.473E-04	1.311E-04	1.211E-04	1.148E-04
WSW	1.910E-04	1.464E-04	1.141E-04	9.188E-05	2.792E-04	2.742E-04	1.738E-04	1.392E-04	1.216E-04	1.116E-04	1.058E-04	1.023E-04
W	2.094E-04	1.593E-04	1.234E-04	9.880E-05	2.958E-04	2.867E-04	1.830E-04	1.489E-04	1.320E-04	1.229E-04	1.179E-04	1.151E-04
WNW	2.784E-04	2.099E-04	1.630E-04	1.307E-04	3.914E-04	3.755E-04	2.350E-04	1.882E-04	1.653E-04	1.530E-04	1.463E-04	1.432E-04
NW	3.138E-04	2.301E-04	1.740E-04	1.393E-04	4.221E-04	4.180E-04	2.646E-04	2.109E-04	1.829E-04	1.665E-04	1.564E-04	1.500E-04
NNW	3.287E-04	2.307E-04	1.698E-04	1.343E-04	4.036E-04	4.026E-04	2.599E-04	2.085E-04	1.815E-04	1.653E-04	1.552E-04	1.485E-04

TOTAL DOSE COMMITMENT IS 3.703E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
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TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHC 75.0
N	5.814E-03	3.859E-03	2.839E-03	2.221E-03	6.640E-03	6.596E-03	4.171E-03	3.259E-03	2.764E-03	2.458E-03	2.255E-03	2.115E-03
NNE	6.433E-03	4.419E-03	3.077E-03	2.410E-03	7.214E-03	7.318E-03	4.665E-03	3.606E-03	3.016E-03	2.643E-03	2.393E-03	2.219E-03
NE	7.456E-03	5.003E-03	3.486E-03	2.736E-03	8.345E-03	8.700E-03	5.586E-03	4.303E-03	3.584E-03	3.130E-03	2.818E-03	2.594E-03
ENE	6.194E-03	4.553E-03	3.134E-03	2.399E-03	7.083E-03	7.198E-03	4.596E-03	3.562E-03	2.981E-03	2.611E-03	2.359E-03	2.179E-03
E	3.288E-03	2.832E-03	2.109E-03	1.688E-03	5.242E-03	5.481E-03	3.517E-03	2.718E-03	2.271E-03	1.989E-03	1.798E-03	1.662E-03
ESE	1.865E-03	1.549E-03	1.285E-03	1.083E-03	3.679E-03	4.225E-03	2.824E-03	2.197E-03	1.830E-03	1.589E-03	1.420E-03	1.296E-03
SE	7.575E-04	5.173E-04	4.165E-04	3.519E-04	1.208E-03	1.393E-03	9.344E-04	7.262E-04	6.054E-04	5.267E-04	4.719E-04	4.319E-04
SSE	2.983E-04	1.773E-04	8.621E-05	6.519E-05	1.810E-04	1.747E-04	1.145E-04	9.115E-05	7.772E-05	6.877E-05	6.233E-05	5.743E-05
S	7.409E-04	5.227E-04	3.795E-04	2.935E-04	7.898E-04	6.224E-04	3.445E-04	2.604E-04	2.234E-04	2.053E-04	1.965E-04	1.931E-04
SSW	1.871E-03	1.479E-03	1.184E-03	9.731E-04	3.089E-03	3.178E-03	1.969E-03	1.480E-03	1.216E-03	1.055E-03	9.540E-04	8.877E-04
SW	2.673E-03	2.135E-03	1.716E-03	1.418E-03	4.552E-03	4.717E-03	2.933E-03	2.214E-03	1.826E-03	1.592E-03	1.441E-03	1.340E-03
WSW	2.505E-03	1.921E-03	1.497E-03	1.206E-03	3.659E-03	3.565E-03	2.220E-03	1.741E-03	1.486E-03	1.335E-03	1.238E-03	1.175E-03
W	2.743E-03	2.088E-03	1.618E-03	1.296E-03	3.874E-03	3.720E-03	2.327E-03	1.850E-03	1.602E-03	1.457E-03	1.367E-03	1.309E-03
WNW	3.650E-03	2.752E-03	2.137E-03	1.714E-03	5.127E-03	4.873E-03	2.986E-03	2.331E-03	1.995E-03	1.801E-03	1.682E-03	1.613E-03
NW	4.116E-03	3.024E-03	2.286E-03	1.830E-03	5.537E-03	5.441E-03	3.388E-03	2.649E-03	2.250E-03	2.007E-03	1.848E-03	1.740E-03
NNW	4.324E-03	3.041E-03	2.236E-03	1.768E-03	5.304E-03	5.248E-03	3.337E-03	2.630E-03	2.246E-03	2.008E-03	1.850E-03	1.741E-03

TOTAL DOSE COMMITMENT IS 4.762E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	9.757E-02	7.569E-01	5.016E-01	5.899E-02	3.402E-02	2.024E+00
GROUND	5.207E-03	5.207E-03	5.207E-03	5.207E-03	5.207E-03	5.207E-03
CLOUD	1.744E-02	1.744E-02	1.744E-02	1.744E-02	1.744E-02	1.744E-02
VEG. ING	5.994E-01	7.138E+00	5.994E-01	1.791E+00	1.579E+00	5.994E-01
MEAT ING	2.044E-02	2.490E-01	2.044E-02	6.496E-02	5.477E-02	2.044E-02
MILK ING	1.946E-02	2.502E-01	1.946E-02	3.593E-02	4.602E-02	1.946E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	7.595E-01	8.416E+00	1.164E+00	1.974E+00	1.737E+00	2.686E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	5.994E-01	7.137E+00	5.994E-01	1.791E+00	1.579E+00	5.994E-01
MEAT ING	4.610E-01	5.616E+00	4.610E-01	1.465E+00	1.235E+00	4.610E-01
MILK ING	1.757E-02	2.260E-01	1.757E-02	3.244E-02	4.156E-02	1.757E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.078E+00	1.298E+01	1.078E+00	3.288E+00	2.856E+00	1.078E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	9.757E-02	7.569E-01	5.016E-01	5.899E-02	3.402E-02	2.024E+00
GROUND	5.207E-03	5.207E-03	5.207E-03	5.207E-03	5.207E-03	5.207E-03
CLOUD	1.744E-02	1.744E-02	1.744E-02	1.744E-02	1.744E-02	1.744E-02
VEG. ING	1.199E+00	1.427E+01	1.199E+00	3.582E+00	3.159E+00	1.199E+00
MEAT ING	4.815E-01	5.865E+00	4.815E-01	1.530E+00	1.290E+00	4.815E-01
MILK ING	3.703E-02	4.762E-01	3.703E-02	6.837E-02	8.758E-02	3.703E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.838E+00	2.140E+01	2.242E+00	5.262E+00	4.593E+00	3.764E+00

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	1.176E-05	1.480E-05	1.480E-05	1.476E-05	6.723E+00	8.460E+00	8.455E+00	8.455E+00
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.176E-05	1.480E-05	1.480E-05	1.476E-05	6.723E+00	8.460E+00	8.455E+00	8.455E+00
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.026E-01	1.045E-01	1.045E-01	1.042E-01	5.864E+04	5.974E+04	5.970E+04	5.970E+04
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.026E-01	1.045E-01	1.045E-01	1.042E-01	5.864E+04	5.974E+04	5.970E+04	5.970E+04
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	2.883E-03	4.137E-03	4.137E-03	4.127E-03	1.649E+03	2.365E+03	2.364E+03	2.364E+03
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.883E-03	4.137E-03	4.137E-03	4.127E-03	1.649E+03	2.365E+03	2.364E+03	2.364E+03
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.267E-03	3.263E-03	3.263E-03	3.255E-03	1.296E+03	1.866E+03	1.865E+03	1.865E+03
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.267E-03	3.263E-03	3.263E-03	3.255E-03	1.296E+03	1.866E+03	1.865E+03	1.865E+03
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.291E-02	1.402E-02	1.402E-02	1.399E-02	7.385E+03	8.019E+03	8.014E+03	8.014E+03
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.291E-02	1.402E-02	1.402E-02	1.399E-02	7.385E+03	8.019E+03	8.014E+03	8.014E+03
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.194E-02	3.433E-02	3.433E-02	3.425E-02	1.826E+04	1.963E+04	1.962E+04	1.962E+04
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.194E-02	3.433E-02	3.433E-02	3.425E-02	1.826E+04	1.963E+04	1.962E+04	1.962E+04
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.174E-03	4.746E-03	4.746E-03	4.735E-03	1.815E+03	2.714E+03	2.712E+03	2.712E+03
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.174E-03	4.746E-03	4.746E-03	4.735E-03	1.815E+03	2.714E+03	2.712E+03	2.712E+03
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.152E-03	9.242E-03	9.242E-03	9.220E-03	4.661E+03	5.284E+03	5.281E+03	5.281E+03
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			8.152E-03	9.242E-03	9.242E-03	9.220E-03	4.661E+03	5.284E+03	5.281E+03	5.281E+03

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
9	Restricted Area Boun	2	2.898E-02	3.028E-02	3.028E-02	3.021E-02	1.657E+04	1.731E+04	1.730E+04	
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		2.898E-02	3.028E-02	3.028E-02	3.021E-02	1.657E+04	1.731E+04	1.730E+04	
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
10	Bailroil	2	1.154E-05	1.460E-05	1.460E-05	1.457E-05	6.600E+00	8.348E+00	8.342E+00	
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.154E-05	1.460E-05	1.460E-05	1.457E-05	6.600E+00	8.348E+00	8.342E+00	
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
11	Jeffrey City	2	1.102E-05	1.367E-05	1.367E-05	1.364E-05	6.302E+00	7.815E+00	7.810E+00	
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.102E-05	1.367E-05	1.367E-05	1.364E-05	6.302E+00	7.815E+00	7.810E+00	
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
12	Rawlins	2	2.243E-06	2.795E-06	2.795E-06	2.788E-06	1.283E+00	1.598E+00	1.597E+00	
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		2.243E-06	2.795E-06	2.795E-06	2.788E-06	1.283E+00	1.598E+00	1.597E+00	
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
13	Special Receptor #1	2	4.682E-03	8.775E-03	8.775E-03	8.754E-03	2.677E+03	5.017E+03	5.014E+03	
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		4.682E-03	8.775E-03	8.775E-03	8.754E-03	2.677E+03	5.017E+03	5.014E+03	
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
14	Special Receptor #2	2	1.882E-03	2.777E-03	2.777E-03	2.770E-03	1.076E+03	1.588E+03	1.587E+03	
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.882E-03	2.777E-03	2.777E-03	2.770E-03	1.076E+03	1.588E+03	1.587E+03	

NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS							GROUND CONCENTRATIONS, PCI/M2				
	AIRBORNE CONCENTRATIONS, PCI/M3											
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	7.249E-01	7.253E-01	7.030E-01	6.717E-01	1.675E-05	4.567E-07	3.250E-10	6.817E-06	5.745E-01	5.745E-01	5.745E-01	4.451E+00
2	7.314E+01	6.366E+01	2.098E+01	6.276E+00	2.947E-06	1.669E-09	2.731E-14	1.953E-04	5.042E+01	5.042E+01	5.042E+01	7.832E-01
3	3.553E+01	3.164E+01	1.102E+01	3.681E+00	2.036E-06	1.349E-09	2.569E-14	1.022E-04	2.506E+01	2.506E+01	2.506E+01	5.411E-01
4	3.190E+01	2.440E+01	6.416E+00	1.938E+00	1.070E-06	7.923E-10	1.898E-14	6.490E-05	1.933E+01	1.933E+01	1.933E+01	2.843E-01
5	3.353E+01	3.039E+01	1.229E+01	4.739E+00	3.165E-06	2.495E-09	5.617E-14	1.113E-04	2.407E+01	2.407E+01	2.407E+01	8.410E-01
6	7.277E+01	5.746E+01	1.410E+01	3.198E+00	1.076E-06	4.443E-10	5.357E-15	1.426E-04	4.551E+01	4.551E+01	4.551E+01	2.859E-01
7	4.554E+01	3.975E+01	1.261E+01	3.814E+00	1.853E-06	1.086E-09	1.836E-14	1.191E-04	3.149E+01	3.149E+01	3.149E+01	4.923E-01
8	3.219E+01	2.897E+01	1.106E+01	4.065E+00	2.555E-06	1.907E-09	4.073E-14	1.011E-04	2.294E+01	2.294E+01	2.294E+01	6.789E-01
9	4.414E+01	3.915E+01	1.528E+01	5.564E+00	3.397E-06	2.461E-09	5.111E-14	1.386E-04	3.101E+01	3.101E+01	3.101E+01	9.027E-01
10	7.716E-01	7.721E-01	7.575E-01	7.345E-01	2.341E-05	8.161E-07	7.486E-10	7.375E-06	6.115E-01	6.115E-01	6.115E-01	6.221E+00
11	2.490E-01	2.492E-01	2.478E-01	2.443E-01	1.077E-05	5.317E-07	7.055E-10	2.425E-06	1.974E-01	1.974E-01	1.974E-01	2.862E+00
12	1.209E-01	1.209E-01	1.203E-01	1.186E-01	5.899E-06	3.551E-07	5.903E-10	1.177E-06	9.578E-02	9.578E-02	9.578E-02	1.567E+00
13	1.163E+02	8.144E+01	1.502E+01	2.926E+00	1.009E-06	5.621E-10	1.174E-14	1.710E-04	6.451E+01	6.451E+01	6.451E+01	2.681E-01
14	3.555E+01	3.227E+01	1.401E+01	6.727E+00	6.951E-06	8.590E-09	3.104E-13	1.293E-04	2.556E+01	2.556E+01	2.556E+01	1.847E+00

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 34  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0  
 NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.17E-01	2.55E-01	7.90E-01	5.17E-02	4.10E-02	0.00E+00
INFANT	GROUND	4.72E-05	4.72E-05	4.72E-05	4.72E-05	4.72E-05	4.72E-05
INFANT	CLOUD	2.01E-09	2.01E-09	2.01E-09	2.01E-09	2.01E-09	2.01E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.43E-02	4.66E-02	1.83E-02	1.83E-02	3.24E-02	0.00E+00
INFANT	TOTALS	1.32E-01	3.02E-01	8.08E-01	7.00E-02	7.34E-02	4.72E-05
CHILD	INHAL.	5.53E-02	2.15E-01	3.67E-01	2.08E-02	1.41E-02	0.00E+00
CHILD	GROUND	4.72E-05	4.72E-05	4.72E-05	4.72E-05	4.72E-05	4.72E-05
CHILD	CLOUD	2.01E-09	2.01E-09	2.01E-09	2.01E-09	2.01E-09	2.01E-09
CHILD	VEG. ING	5.89E-03	2.95E-02	2.42E-02	2.42E-02	2.02E-02	0.00E+00
CHILD	MEAT ING	6.60E-04	3.29E-03	3.06E-03	3.06E-03	2.39E-03	0.00E+00
CHILD	MILK ING	1.55E-03	9.91E-03	4.13E-03	4.13E-03	5.02E-03	0.00E+00
CHILD	TOTALS	6.35E-02	2.58E-01	3.98E-01	5.23E-02	4.17E-02	4.72E-05
TEENAGE	INHAL.	3.37E-02	2.39E-01	1.90E-01	9.09E-03	7.05E-03	0.00E+00
TEENAGE	GROUND	4.72E-05	4.72E-05	4.72E-05	4.72E-05	4.72E-05	4.72E-05
TEENAGE	CLOUD	2.01E-09	2.01E-09	2.01E-09	2.01E-09	2.01E-09	2.01E-09
TEENAGE	VEG. ING	9.53E-03	1.58E-01	2.16E-02	2.16E-02	2.07E-02	0.00E+00
TEENAGE	MEAT ING	1.04E-03	1.70E-02	2.67E-03	2.67E-03	2.38E-03	0.00E+00
TEENAGE	MILK ING	2.09E-03	4.43E-02	2.65E-03	2.65E-03	3.83E-03	0.00E+00
TEENAGE	TOTALS	4.64E-02	4.59E-01	2.17E-01	3.61E-02	3.40E-02	4.72E-05
ADULT	INHAL.	2.88E-02	2.24E-01	1.57E-01	7.50E-03	5.39E-03	0.00E+00
ADULT	GROUND	4.72E-05	4.72E-05	4.72E-05	4.72E-05	4.72E-05	4.72E-05
ADULT	CLOUD	2.01E-09	2.01E-09	2.01E-09	2.01E-09	2.01E-09	2.01E-09
ADULT	VEG. ING	5.38E-03	6.58E-02	1.41E-02	1.41E-02	1.30E-02	0.00E+00
ADULT	MEAT ING	7.54E-04	9.29E-03	2.21E-03	2.21E-03	1.91E-03	0.00E+00
ADULT	MILK ING	3.98E-04	6.00E-03	6.57E-04	6.57E-04	8.71E-04	0.00E+00
ADULT	TOTALS	3.54E-02	3.05E-01	1.74E-01	2.45E-02	2.12E-02	4.72E-05

REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 35  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIO    DURATION IN YRS IS... 3.0  
 NUMBER 1 NAME=Nearest Resident    X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.75E-01	2.64E-01	7.91E-01	9.86E-02	5.93E-02	9.06E-01
INFANT	GROUND	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03
INFANT	CLOUD	7.40E-03	7.40E-03	7.40E-03	7.40E-03	7.40E-03	7.40E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.59E-02	4.96E-02	2.39E-02	2.39E-02	3.73E-02	0.00E+00
INFANT	TOTALS	2.00E-01	3.23E-01	8.24E-01	1.32E-01	1.06E-01	9.15E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.11E-01	2.22E-01	3.67E-01	4.17E-02	2.26E-02	9.06E-01
CHILD	GROUND	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03
CHILD	CLOUD	7.40E-03	7.40E-03	7.40E-03	7.40E-03	7.40E-03	7.40E-03
CHILD	VEG. ING	7.42E-03	3.65E-02	3.24E-02	3.24E-02	2.62E-02	0.00E+00
CHILD	MEAT ING	8.55E-04	4.17E-03	4.10E-03	4.10E-03	3.15E-03	0.00E+00
CHILD	MILK ING	1.80E-03	1.10E-02	5.45E-03	5.45E-03	5.99E-03	0.00E+00
CHILD	TOTALS	1.30E-01	2.83E-01	4.18E-01	9.27E-02	6.71E-02	9.15E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.95E-02	2.56E-01	1.90E-01	1.80E-02	1.13E-02	9.06E-01
TEENAGE	GROUND	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03
TEENAGE	CLOUD	7.40E-03	7.40E-03	7.40E-03	7.40E-03	7.40E-03	7.40E-03
TEENAGE	VEG. ING	1.18E-02	1.92E-01	2.89E-02	2.89E-02	2.67E-02	0.00E+00
TEENAGE	MEAT ING	1.32E-03	2.12E-02	3.58E-03	3.58E-03	3.13E-03	0.00E+00
TEENAGE	MILK ING	2.36E-03	4.82E-02	3.49E-03	3.49E-03	4.53E-03	0.00E+00
TEENAGE	TOTALS	1.14E-01	5.26E-01	2.35E-01	6.31E-02	5.48E-02	9.15E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	8.44E-02	2.34E-01	1.57E-01	1.49E-02	8.97E-03	9.06E-01
ADULT	GROUND	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03	1.67E-03
ADULT	CLOUD	7.40E-03	7.40E-03	7.40E-03	7.40E-03	7.40E-03	7.40E-03
ADULT	VEG. ING	6.76E-03	8.18E-02	1.89E-02	1.89E-02	1.69E-02	0.00E+00
ADULT	MEAT ING	9.72E-04	1.18E-02	2.96E-03	2.96E-03	2.52E-03	0.00E+00
ADULT	MILK ING	4.60E-04	6.71E-03	8.68E-04	8.68E-04	1.04E-03	0.00E+00
ADULT	TOTALS	1.02E-01	3.43E-01	1.89E-01	4.67E-02	3.85E-02	9.15E-01



NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.15E+02	1.80E+03	6.29E+03	3.65E+02	2.91E+02	0.00E+00
INFANT	GROUND	3.68E-01	3.68E-01	3.68E-01	3.68E-01	3.68E-01	3.68E-01
INFANT	CLOUD	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.11E+02	3.55E+02	1.29E+02	1.29E+02	2.57E+02	0.00E+00
INFANT	TOTALS	1.03E+03	2.16E+03	6.42E+03	4.94E+02	5.49E+02	3.68E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.32E+02	1.52E+03	2.93E+03	1.47E+02	9.99E+01	0.00E+00
CHILD	GROUND	3.68E-01	3.68E-01	3.68E-01	3.68E-01	3.68E-01	3.68E-01
CHILD	CLOUD	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05
CHILD	VEG. ING	4.23E+01	2.12E+02	1.71E+02	1.71E+02	1.47E+02	0.00E+00
CHILD	MEAT ING	4.70E+00	2.34E+01	2.16E+01	2.16E+01	1.71E+01	0.00E+00
CHILD	MILK ING	1.15E+01	7.27E+01	2.92E+01	2.92E+01	3.88E+01	0.00E+00
CHILD	TOTALS	4.91E+02	1.83E+03	3.16E+03	3.69E+02	3.03E+02	3.68E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.59E+02	1.69E+03	1.52E+03	6.42E+01	5.02E+01	0.00E+00
TEENAGE	GROUND	3.68E-01	3.68E-01	3.68E-01	3.68E-01	3.68E-01	3.68E-01
TEENAGE	CLOUD	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05
TEENAGE	VEG. ING	6.82E+01	1.14E+03	1.53E+02	1.53E+02	1.51E+02	0.00E+00
TEENAGE	MEAT ING	7.38E+00	1.22E+02	1.89E+01	1.89E+01	1.71E+01	0.00E+00
TEENAGE	MILK ING	1.53E+01	3.25E+02	1.87E+01	1.87E+01	2.96E+01	0.00E+00
TEENAGE	TOTALS	3.51E+02	3.27E+03	1.71E+03	2.55E+02	2.48E+02	3.68E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.21E+02	1.58E+03	1.26E+03	5.30E+01	3.83E+01	0.00E+00
ADULT	GROUND	3.68E-01	3.68E-01	3.68E-01	3.68E-01	3.68E-01	3.68E-01
ADULT	CLOUD	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05	1.62E-05
ADULT	VEG. ING	3.84E+01	4.71E+02	9.96E+01	9.96E+01	9.42E+01	0.00E+00
ADULT	MEAT ING	5.35E+00	6.60E+01	1.56E+01	1.56E+01	1.37E+01	0.00E+00
ADULT	MILK ING	2.91E+00	4.37E+01	4.64E+00	4.64E+00	6.70E+00	0.00E+00
ADULT	TOTALS	2.68E+02	2.16E+03	1.38E+03	1.73E+02	1.53E+02	3.68E-01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 37  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIO      DURATION IN YRS IS... 3.0  
 NUMBER 2 NAME-Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.21E+02	1.80E+03	6.29E+03	3.65E+02	2.91E+02	9.14E+01
INFANT	GROUND	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01
INFANT	CLOUD	8.92E-02	8.92E-02	8.92E-02	8.92E-02	8.92E-02	8.92E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.11E+02	3.55E+02	1.29E+02	1.29E+02	2.57E+02	0.00E+00
INFANT	TOTALS	1.04E+03	2.17E+03	6.43E+03	5.05E+02	5.59E+02	1.03E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.37E+02	1.52E+03	2.93E+03	1.47E+02	9.99E+01	9.14E+01
CHILD	GROUND	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01
CHILD	CLOUD	8.92E-02	8.92E-02	8.92E-02	8.92E-02	8.92E-02	8.92E-02
CHILD	VEG. ING	4.23E+01	2.12E+02	1.71E+02	1.71E+02	1.47E+02	0.00E+00
CHILD	MEAT ING	4.70E+00	2.34E+01	2.16E+01	2.16E+01	1.71E+01	0.00E+00
CHILD	MILK ING	1.15E+01	7.27E+01	2.92E+01	2.92E+01	3.88E+01	0.00E+00
CHILD	TOTALS	5.07E+02	1.84E+03	3.17E+03	3.80E+02	3.14E+02	1.03E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.65E+02	1.69E+03	1.52E+03	6.42E+01	5.02E+01	9.14E+01
TEENAGE	GROUND	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01
TEENAGE	CLOUD	8.92E-02	8.92E-02	8.92E-02	8.92E-02	8.92E-02	8.92E-02
TEENAGE	VEG. ING	6.82E+01	1.14E+03	1.53E+02	1.53E+02	1.51E+02	0.00E+00
TEENAGE	MEAT ING	7.38E+00	1.22E+02	1.89E+01	1.89E+01	1.71E+01	0.00E+00
TEENAGE	MILK ING	1.53E+01	3.25E+02	1.87E+01	1.87E+01	2.96E+01	0.00E+00
TEENAGE	TOTALS	3.67E+02	3.28E+03	1.72E+03	2.66E+02	2.59E+02	1.03E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.27E+02	1.58E+03	1.26E+03	5.30E+01	3.83E+01	9.14E+01
ADULT	GROUND	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01
ADULT	CLOUD	8.92E-02	8.92E-02	8.92E-02	8.92E-02	8.92E-02	8.92E-02
ADULT	VEG. ING	3.84E+01	4.71E+02	9.96E+01	9.96E+01	9.42E+01	0.00E+00
ADULT	MEAT ING	5.35E+00	6.60E+01	1.56E+01	1.56E+01	1.37E+01	0.00E+00
ADULT	MILK ING	2.91E+00	4.37E+01	4.64E+00	4.64E+00	6.70E+00	0.00E+00
ADULT	TOTALS	2.84E+02	2.17E+03	1.39E+03	1.84E+02	1.64E+02	1.03E+02



NUMBER 3 NAME-Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.10E+01	7.12E+01	2.06E+02	1.44E+01	1.14E+01	0.00E+00
INFANT	GROUND	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02
INFANT	CLOUD	5.21E-07	5.21E-07	5.21E-07	5.21E-07	5.21E-07	5.21E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.82E+00	1.25E+01	5.10E+00	5.10E+00	8.46E+00	0.00E+00
INFANT	TOTALS	3.49E+01	8.37E+01	2.11E+02	1.96E+01	1.99E+01	1.25E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.46E+01	6.01E+01	9.54E+01	5.83E+00	3.92E+00	0.00E+00
CHILD	GROUND	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02
CHILD	CLOUD	5.21E-07	5.21E-07	5.21E-07	5.21E-07	5.21E-07	5.21E-07
CHILD	VEG. ING	1.63E+00	8.18E+00	6.78E+00	6.78E+00	5.57E+00	0.00E+00
CHILD	MEAT ING	1.84E-01	9.15E-01	8.54E-01	8.54E-01	6.63E-01	0.00E+00
CHILD	MILK ING	4.21E-01	2.71E+00	1.15E+00	1.15E+00	1.33E+00	0.00E+00
CHILD	TOTALS	1.69E+01	7.19E+01	1.04E+02	1.46E+01	1.15E+01	1.25E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.97E+00	6.68E+01	4.93E+01	2.54E+00	1.96E+00	0.00E+00
TEENAGE	GROUND	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02
TEENAGE	CLOUD	5.21E-07	5.21E-07	5.21E-07	5.21E-07	5.21E-07	5.21E-07
TEENAGE	VEG. ING	2.65E+00	4.38E+01	6.05E+00	6.05E+00	5.70E+00	0.00E+00
TEENAGE	MEAT ING	2.89E-01	4.74E+00	7.47E-01	7.47E-01	6.61E-01	0.00E+00
TEENAGE	MILK ING	5.74E-01	1.21E+01	7.41E-01	7.41E-01	1.02E+00	0.00E+00
TEENAGE	TOTALS	1.25E+01	1.27E+02	5.69E+01	1.01E+01	9.35E+00	1.25E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.68E+00	6.26E+01	4.07E+01	2.10E+00	1.50E+00	0.00E+00
ADULT	GROUND	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02
ADULT	CLOUD	5.21E-07	5.21E-07	5.21E-07	5.21E-07	5.21E-07	5.21E-07
ADULT	VEG. ING	1.49E+00	1.83E+01	3.94E+00	3.94E+00	3.58E+00	0.00E+00
ADULT	MEAT ING	2.10E-01	2.59E+00	6.17E-01	6.17E-01	5.31E-01	0.00E+00
ADULT	MILK ING	1.10E-01	1.65E+00	1.84E-01	1.84E-01	2.32E-01	0.00E+00
ADULT	TOTALS	9.50E+00	8.52E+01	4.54E+01	6.85E+00	5.86E+00	1.25E-02

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 39  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIO      DURATION IN YRS IS... 3.0  
 NUMBER 3 NAME=Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.37E+01	7.13E+01	2.06E+02	1.45E+01	1.14E+01	4.44E+01
INFANT	GROUND	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01
INFANT	CLOUD	5.05E-02	5.05E-02	5.05E-02	5.05E-02	5.05E-02	5.05E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.82E+00	1.25E+01	5.10E+00	5.10E+00	8.46E+00	0.00E+00
INFANT	TOTALS	3.80E+01	8.42E+01	2.12E+02	2.00E+01	2.04E+01	4.49E+01
CHILD	INHAL.	1.73E+01	6.01E+01	9.54E+01	5.83E+00	3.92E+00	4.44E+01
CHILD	GROUND	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01
CHILD	CLOUD	5.05E-02	5.05E-02	5.05E-02	5.05E-02	5.05E-02	5.05E-02
CHILD	VEG. ING	1.63E+00	8.18E+00	6.78E+00	6.78E+00	5.57E+00	0.00E+00
CHILD	MEAT ING	1.84E-01	9.15E-01	8.54E-01	8.54E-01	6.63E-01	0.00E+00
CHILD	MILK ING	4.21E-01	2.71E+00	1.15E+00	1.15E+00	1.33E+00	0.00E+00
CHILD	TOTALS	2.00E+01	7.24E+01	1.05E+02	1.51E+01	1.20E+01	4.49E+01
TEENAGE	INHAL.	1.16E+01	6.68E+01	4.93E+01	2.54E+00	1.97E+00	4.44E+01
TEENAGE	GROUND	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01
TEENAGE	CLOUD	5.05E-02	5.05E-02	5.05E-02	5.05E-02	5.05E-02	5.05E-02
TEENAGE	VEG. ING	2.65E+00	4.38E+01	6.05E+00	6.05E+00	5.70E+00	0.00E+00
TEENAGE	MEAT ING	2.89E-01	4.74E+00	7.47E-01	7.47E-01	6.61E-01	0.00E+00
TEENAGE	MILK ING	5.74E-01	1.21E+01	7.41E-01	7.41E-01	1.02E+00	0.00E+00
TEENAGE	TOTALS	1.56E+01	1.28E+02	5.73E+01	1.06E+01	9.83E+00	4.49E+01
ADULT	INHAL.	1.03E+01	6.26E+01	4.07E+01	2.10E+00	1.50E+00	4.44E+01
ADULT	GROUND	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01
ADULT	CLOUD	5.05E-02	5.05E-02	5.05E-02	5.05E-02	5.05E-02	5.05E-02
ADULT	VEG. ING	1.49E+00	1.83E+01	3.94E+00	3.94E+00	3.58E+00	0.00E+00
ADULT	MEAT ING	2.10E-01	2.59E+00	6.17E-01	6.17E-01	5.31E-01	0.00E+00
ADULT	MILK ING	1.10E-01	1.65E+00	1.84E-01	1.84E-01	2.32E-01	0.00E+00
ADULT	TOTALS	1.26E+01	8.56E+01	4.59E+01	7.33E+00	6.34E+00	4.49E+01



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 40  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0  
 NUMBER 4 NAME-Restricted Area Bound X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.45E+01	5.62E+01	1.62E+02	1.14E+01	9.03E+00	0.00E+00
INFANT	GROUND	9.85E-03	9.85E-03	9.85E-03	9.85E-03	9.85E-03	9.85E-03
INFANT	CLOUD	4.10E-07	4.10E-07	4.10E-07	4.10E-07	4.10E-07	4.10E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.01E+00	9.82E+00	4.02E+00	4.02E+00	6.66E+00	0.00E+00
INFANT	TOTALS	2.75E+01	6.60E+01	1.66E+02	1.54E+01	1.57E+01	9.85E-03
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.15E+01	4.74E+01	7.51E+01	4.60E+00	3.09E+00	0.00E+00
CHILD	GROUND	9.85E-03	9.85E-03	9.85E-03	9.85E-03	9.85E-03	9.85E-03
CHILD	CLOUD	4.10E-07	4.10E-07	4.10E-07	4.10E-07	4.10E-07	4.10E-07
CHILD	VEG. ING	1.29E+00	6.45E+00	5.35E+00	5.35E+00	4.39E+00	0.00E+00
CHILD	MEAT ING	1.45E-01	7.22E-01	6.74E-01	6.74E-01	5.22E-01	0.00E+00
CHILD	MILK ING	3.32E-01	2.14E+00	9.10E-01	9.10E-01	1.05E+00	0.00E+00
CHILD	TOTALS	1.33E+01	5.67E+01	8.21E+01	1.15E+01	9.06E+00	9.85E-03
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.07E+00	5.27E+01	3.88E+01	2.00E+00	1.55E+00	0.00E+00
TEENAGE	GROUND	9.85E-03	9.85E-03	9.85E-03	9.85E-03	9.85E-03	9.85E-03
TEENAGE	CLOUD	4.10E-07	4.10E-07	4.10E-07	4.10E-07	4.10E-07	4.10E-07
TEENAGE	VEG. ING	2.09E+00	3.46E+01	4.77E+00	4.77E+00	4.49E+00	0.00E+00
TEENAGE	MEAT ING	2.28E-01	3.74E+00	5.89E-01	5.89E-01	5.21E-01	0.00E+00
TEENAGE	MILK ING	4.52E-01	9.56E+00	5.84E-01	5.84E-01	8.01E-01	0.00E+00
TEENAGE	TOTALS	9.84E+00	1.01E+02	4.48E+01	7.96E+00	7.37E+00	9.85E-03
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.05E+00	4.94E+01	3.20E+01	1.65E+00	1.18E+00	0.00E+00
ADULT	GROUND	9.85E-03	9.85E-03	9.85E-03	9.85E-03	9.85E-03	9.85E-03
ADULT	CLOUD	4.10E-07	4.10E-07	4.10E-07	4.10E-07	4.10E-07	4.10E-07
ADULT	VEG. ING	1.18E+00	1.44E+01	3.11E+00	3.11E+00	2.83E+00	0.00E+00
ADULT	MEAT ING	1.66E-01	2.04E+00	4.87E-01	4.87E-01	4.19E-01	0.00E+00
ADULT	MILK ING	8.63E-02	1.30E+00	1.45E-01	1.45E-01	1.83E-01	0.00E+00
ADULT	TOTALS	7.49E+00	6.72E+01	3.58E+01	5.41E+00	4.62E+00	9.85E-03

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 41  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIO      DURATION IN YRS IS... 3.0  
 NUMBER 4 NAME-Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.68E+01	5.62E+01	1.62E+02	1.14E+01	9.03E+00	3.99E+01
INFANT	GROUND	3.47E-01	3.47E-01	3.47E-01	3.47E-01	3.47E-01	3.47E-01
INFANT	CLOUD	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.01E+00	9.82E+00	4.02E+00	4.02E+00	6.66E+00	0.00E+00
INFANT	TOTALS	3.02E+01	6.64E+01	1.67E+02	1.58E+01	1.61E+01	4.02E+01
CHILD	INHAL.	1.39E+01	4.74E+01	7.51E+01	4.60E+00	3.09E+00	3.99E+01
CHILD	GROUND	3.47E-01	3.47E-01	3.47E-01	3.47E-01	3.47E-01	3.47E-01
CHILD	CLOUD	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02
CHILD	VEG. ING	1.29E+00	6.45E+00	5.35E+00	5.35E+00	4.39E+00	0.00E+00
CHILD	MEAT ING	1.45E-01	7.22E-01	6.74E-01	6.74E-01	5.23E-01	0.00E+00
CHILD	MILK ING	3.32E-01	2.14E+00	9.10E-01	9.10E-01	1.05E+00	0.00E+00
CHILD	TOTALS	1.60E+01	5.71E+01	8.24E+01	1.19E+01	9.43E+00	4.02E+01
TEENAGE	INHAL.	9.46E+00	5.27E+01	3.88E+01	2.00E+00	1.55E+00	3.99E+01
TEENAGE	GROUND	3.47E-01	3.47E-01	3.47E-01	3.47E-01	3.47E-01	3.47E-01
TEENAGE	CLOUD	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02
TEENAGE	VEG. ING	2.09E+00	3.46E+01	4.77E+00	4.77E+00	4.49E+00	0.00E+00
TEENAGE	MEAT ING	2.28E-01	3.74E+00	5.90E-01	5.90E-01	5.21E-01	0.00E+00
TEENAGE	MILK ING	4.52E-01	9.56E+00	5.84E-01	5.84E-01	8.01E-01	0.00E+00
TEENAGE	TOTALS	1.26E+01	1.01E+02	4.52E+01	8.32E+00	7.74E+00	4.02E+01
ADULT	INHAL.	8.44E+00	4.94E+01	3.20E+01	1.65E+00	1.18E+00	3.99E+01
ADULT	GROUND	3.47E-01	3.47E-01	3.47E-01	3.47E-01	3.47E-01	3.47E-01
ADULT	CLOUD	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02
ADULT	VEG. ING	1.18E+00	1.44E+01	3.11E+00	3.11E+00	2.83E+00	0.00E+00
ADULT	MEAT ING	1.66E-01	2.04E+00	4.87E-01	4.87E-01	4.19E-01	0.00E+00
ADULT	MILK ING	8.63E-02	1.30E+00	1.45E-01	1.45E-01	1.83E-01	0.00E+00
ADULT	TOTALS	1.02E+01	6.75E+01	3.62E+01	5.77E+00	4.98E+00	4.02E+01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 42  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD      DURATION IN YRS IS... 3.0

NUMBER 5 NAME=Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.19E+02	2.42E+02	8.13E+02	4.90E+01	3.90E+01	0.00E+00
INFANT	GROUND	4.79E-02	4.79E-02	4.79E-02	4.79E-02	4.79E-02	4.79E-02
INFANT	CLOUD	2.08E-06	2.08E-06	2.08E-06	2.08E-06	2.08E-06	2.08E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.44E+01	4.65E+01	1.73E+01	1.73E+01	3.33E+01	0.00E+00
INFANT	TOTALS	1.34E+02	2.88E+02	8.31E+02	6.63E+01	7.23E+01	4.79E-02
CHILD	INHAL.	5.62E+01	2.04E+02	3.79E+02	1.98E+01	1.34E+01	0.00E+00
CHILD	GROUND	4.79E-02	4.79E-02	4.79E-02	4.79E-02	4.79E-02	4.79E-02
CHILD	CLOUD	2.08E-06	2.08E-06	2.08E-06	2.08E-06	2.08E-06	2.08E-06
CHILD	VEG. ING	5.65E+00	2.83E+01	2.30E+01	2.30E+01	1.96E+01	0.00E+00
CHILD	MEAT ING	6.30E-01	3.14E+00	2.90E+00	2.90E+00	2.29E+00	0.00E+00
CHILD	MILK ING	1.52E+00	9.64E+00	3.91E+00	3.91E+00	5.06E+00	0.00E+00
CHILD	TOTALS	6.40E+01	2.45E+02	4.09E+02	4.96E+01	4.03E+01	4.79E-02
TEENAGE	INHAL.	3.39E+01	2.27E+02	1.96E+02	8.61E+00	6.72E+00	0.00E+00
TEENAGE	GROUND	4.79E-02	4.79E-02	4.79E-02	4.79E-02	4.79E-02	4.79E-02
TEENAGE	CLOUD	2.08E-06	2.08E-06	2.08E-06	2.08E-06	2.08E-06	2.08E-06
TEENAGE	VEG. ING	9.12E+00	1.52E+02	2.05E+01	2.05E+01	2.00E+01	0.00E+00
TEENAGE	MEAT ING	9.88E-01	1.63E+01	2.53E+00	2.53E+00	2.28E+00	0.00E+00
TEENAGE	MILK ING	2.03E+00	4.31E+01	2.51E+00	2.51E+00	3.86E+00	0.00E+00
TEENAGE	TOTALS	4.61E+01	4.38E+02	2.22E+02	3.42E+01	3.29E+01	4.79E-02
ADULT	INHAL.	2.89E+01	2.12E+02	1.62E+02	7.11E+00	5.14E+00	0.00E+00
ADULT	GROUND	4.79E-02	4.79E-02	4.79E-02	4.79E-02	4.79E-02	4.79E-02
ADULT	CLOUD	2.08E-06	2.08E-06	2.08E-06	2.08E-06	2.08E-06	2.08E-06
ADULT	VEG. ING	5.13E+00	6.29E+01	1.34E+01	1.34E+01	1.25E+01	0.00E+00
ADULT	MEAT ING	7.17E-01	8.84E+00	2.09E+00	2.09E+00	1.83E+00	0.00E+00
ADULT	MILK ING	3.86E-01	5.81E+00	6.23E-01	6.23E-01	8.75E-01	0.00E+00
ADULT	TOTALS	3.52E+01	2.90E+02	1.78E+02	2.32E+01	2.04E+01	4.79E-02

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 43  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIO      DURATION IN YRS IS... 3.0  
 NUMBER 5 NAME-Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.22E+02	2.42E+02	8.13E+02	4.90E+01	3.90E+01	4.19E+01
INFANT	GROUND	1.48E+00	1.48E+00	1.48E+00	1.48E+00	1.48E+00	1.48E+00
INFANT	CLOUD	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.44E+01	4.65E+01	1.73E+01	1.73E+01	3.33E+01	0.00E+00
INFANT	TOTALS	1.38E+02	2.90E+02	8.32E+02	6.79E+01	7.38E+01	4.35E+01
CHILD	INHAL.	5.87E+01	2.04E+02	3.79E+02	1.98E+01	1.34E+01	4.19E+01
CHILD	GROUND	1.48E+00	1.48E+00	1.48E+00	1.48E+00	1.48E+00	1.48E+00
CHILD	CLOUD	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02
CHILD	VEG. ING	5.65E+00	2.83E+01	2.30E+01	2.30E+01	1.96E+01	0.00E+00
CHILD	MEAT ING	6.30E-01	3.14E+00	2.90E+00	2.90E+00	2.29E+00	0.00E+00
CHILD	MILK ING	1.52E+00	9.64E+00	3.91E+00	3.91E+00	5.06E+00	0.00E+00
CHILD	TOTALS	6.80E+01	2.47E+02	4.10E+02	5.11E+01	4.18E+01	4.35E+01
TEENAGE	INHAL.	3.64E+01	2.27E+02	1.96E+02	8.61E+00	6.72E+00	4.19E+01
TEENAGE	GROUND	1.48E+00	1.48E+00	1.48E+00	1.48E+00	1.48E+00	1.48E+00
TEENAGE	CLOUD	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02
TEENAGE	VEG. ING	9.12E+00	1.52E+02	2.05E+01	2.05E+01	2.00E+01	0.00E+00
TEENAGE	MEAT ING	9.88E-01	1.63E+01	2.53E+00	2.53E+00	2.28E+00	0.00E+00
TEENAGE	MILK ING	2.03E+00	4.31E+01	2.51E+00	2.51E+00	3.86E+00	0.00E+00
TEENAGE	TOTALS	5.01E+01	4.39E+02	2.23E+02	3.57E+01	3.44E+01	4.35E+01
ADULT	INHAL.	3.14E+01	2.12E+02	1.62E+02	7.11E+00	5.14E+00	4.19E+01
ADULT	GROUND	1.48E+00	1.48E+00	1.48E+00	1.48E+00	1.48E+00	1.48E+00
ADULT	CLOUD	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02
ADULT	VEG. ING	5.14E+00	6.29E+01	1.34E+01	1.34E+01	1.25E+01	0.00E+00
ADULT	MEAT ING	7.17E-01	8.84E+00	2.09E+00	2.09E+00	1.83E+00	0.00E+00
ADULT	MILK ING	3.86E-01	5.81E+00	6.23E-01	6.23E-01	8.75E-01	0.00E+00
ADULT	TOTALS	3.92E+01	2.92E+02	1.80E+02	2.47E+01	2.19E+01	4.35E+01

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.93E+02	5.92E+02	2.00E+03	1.20E+02	9.56E+01	0.00E+00
INFANT	GROUND	1.18E-01	1.18E-01	1.18E-01	1.18E-01	1.18E-01	1.18E-01
INFANT	CLOUD	5.13E-06	5.13E-06	5.13E-06	5.13E-06	5.13E-06	5.13E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.55E+01	1.14E+02	4.24E+01	4.24E+01	8.19E+01	0.00E+00
INFANT	TOTALS	3.29E+02	7.06E+02	2.04E+03	1.62E+02	1.78E+02	1.18E-01
CHILD	INHAL.	1.38E+02	4.99E+02	9.33E+02	4.84E+01	3.28E+01	0.00E+00
CHILD	GROUND	1.18E-01	1.18E-01	1.18E-01	1.18E-01	1.18E-01	1.18E-01
CHILD	CLOUD	5.13E-06	5.13E-06	5.13E-06	5.13E-06	5.13E-06	5.13E-06
CHILD	VEG. ING	1.38E+01	6.93E+01	5.63E+01	5.63E+01	4.79E+01	0.00E+00
CHILD	MEAT ING	1.54E+00	7.68E+00	7.09E+00	7.09E+00	5.60E+00	0.00E+00
CHILD	MILK ING	3.73E+00	2.36E+01	9.58E+00	9.58E+00	1.25E+01	0.00E+00
CHILD	TOTALS	1.57E+02	6.00E+02	1.01E+03	1.21E+02	9.89E+01	1.18E-01
TEENAGE	INHAL.	8.33E+01	5.55E+02	4.83E+02	2.11E+01	1.65E+01	0.00E+00
TEENAGE	GROUND	1.18E-01	1.18E-01	1.18E-01	1.18E-01	1.18E-01	1.18E-01
TEENAGE	CLOUD	5.13E-06	5.13E-06	5.13E-06	5.13E-06	5.13E-06	5.13E-06
TEENAGE	VEG. ING	2.23E+01	3.72E+02	5.02E+01	5.02E+01	4.91E+01	0.00E+00
TEENAGE	MEAT ING	2.42E+00	3.98E+01	6.20E+00	6.20E+00	5.59E+00	0.00E+00
TEENAGE	MILK ING	4.98E+00	1.06E+02	6.15E+00	6.15E+00	9.50E+00	0.00E+00
TEENAGE	TOTALS	1.13E+02	1.07E+03	5.46E+02	8.38E+01	8.08E+01	1.18E-01
ADULT	INHAL.	7.11E+01	5.20E+02	3.99E+02	1.74E+01	1.26E+01	0.00E+00
ADULT	GROUND	1.18E-01	1.18E-01	1.18E-01	1.18E-01	1.18E-01	1.18E-01
ADULT	CLOUD	5.13E-06	5.13E-06	5.13E-06	5.13E-06	5.13E-06	5.13E-06
ADULT	VEG. ING	1.26E+01	1.54E+02	3.27E+01	3.27E+01	3.07E+01	0.00E+00
ADULT	MEAT ING	1.76E+00	2.16E+01	5.12E+00	5.12E+00	4.48E+00	0.00E+00
ADULT	MILK ING	9.47E-01	1.42E+01	1.52E+00	1.52E+00	2.15E+00	0.00E+00
ADULT	TOTALS	8.65E+01	7.10E+02	4.39E+02	5.69E+01	5.01E+01	1.18E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 45  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0  
 NUMBER 6 NAME-Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.98E+02	5.92E+02	2.00E+03	1.20E+02	9.56E+01	9.10E+01
INFANT	GROUND	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00
INFANT	CLOUD	5.02E-02	5.02E-02	5.02E-02	5.02E-02	5.02E-02	5.02E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.55E+01	1.14E+02	4.24E+01	4.24E+01	8.19E+01	0.00E+00
INFANT	TOTALS	3.38E+02	7.10E+02	2.05E+03	1.66E+02	1.81E+02	9.46E+01
CHILD	INHAL.	1.44E+02	4.99E+02	9.33E+02	4.84E+01	3.28E+01	9.10E+01
CHILD	GROUND	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00
CHILD	CLOUD	5.02E-02	5.02E-02	5.02E-02	5.02E-02	5.02E-02	5.02E-02
CHILD	VEG. ING	1.38E+01	6.93E+01	5.63E+01	5.63E+01	4.79E+01	0.00E+00
CHILD	MEAT ING	1.54E+00	7.68E+00	7.09E+00	7.09E+00	5.60E+00	0.00E+00
CHILD	MILK ING	3.73E+00	2.36E+01	9.58E+00	9.58E+00	1.25E+01	0.00E+00
CHILD	TOTALS	1.66E+02	6.03E+02	1.01E+03	1.25E+02	1.02E+02	9.46E+01
TEENAGE	INHAL.	8.87E+01	5.55E+02	4.83E+02	2.11E+01	1.65E+01	9.10E+01
TEENAGE	GROUND	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00
TEENAGE	CLOUD	5.02E-02	5.02E-02	5.02E-02	5.02E-02	5.02E-02	5.02E-02
TEENAGE	VEG. ING	2.23E+01	3.72E+02	5.02E+01	5.02E+01	4.91E+01	0.00E+00
TEENAGE	MEAT ING	2.42E+00	3.98E+01	6.20E+00	6.20E+00	5.59E+00	0.00E+00
TEENAGE	MILK ING	4.98E+00	1.06E+02	6.15E+00	6.15E+00	9.50E+00	0.00E+00
TEENAGE	TOTALS	1.22E+02	1.08E+03	5.49E+02	8.73E+01	8.43E+01	9.46E+01
ADULT	INHAL.	7.65E+01	5.20E+02	3.99E+02	1.74E+01	1.26E+01	9.10E+01
ADULT	GROUND	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00	3.63E+00
ADULT	CLOUD	5.02E-02	5.02E-02	5.02E-02	5.02E-02	5.02E-02	5.02E-02
ADULT	VEG. ING	1.26E+01	1.54E+02	3.27E+01	3.27E+01	3.07E+01	0.00E+00
ADULT	MEAT ING	1.76E+00	2.16E+01	5.12E+00	5.12E+00	4.48E+00	0.00E+00
ADULT	MILK ING	9.47E-01	1.42E+01	1.52E+00	1.52E+00	2.15E+00	0.00E+00
ADULT	TOTALS	9.55E+01	7.14E+02	4.42E+02	6.05E+01	5.36E+01	9.46E+01



NUMBER 7 NAME-Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION. MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.50E+01	8.17E+01	2.32E+02	1.66E+01	1.31E+01	0.00E+00
INFANT	GROUND	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02
INFANT	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.31E+00	1.41E+01	5.85E+00	5.85E+00	9.50E+00	0.00E+00
INFANT	TOTALS	3.93E+01	9.59E+01	2.37E+02	2.24E+01	2.26E+01	1.41E-02
CHILD	INHAL.	1.65E+01	6.89E+01	1.07E+02	6.69E+00	4.49E+00	0.00E+00
CHILD	GROUND	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02
CHILD	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
CHILD	VEG. ING	1.87E+00	9.36E+00	7.77E+00	7.77E+00	6.36E+00	0.00E+00
CHILD	MEAT ING	2.10E-01	1.05E+00	9.80E-01	9.80E-01	7.58E-01	0.00E+00
CHILD	MILK ING	4.79E-01	3.09E+00	1.32E+00	1.32E+00	1.50E+00	0.00E+00
CHILD	TOTALS	1.91E+01	8.25E+01	1.17E+02	1.68E+01	1.31E+01	1.41E-02
TEENAGE	INHAL.	1.01E+01	7.66E+01	5.53E+01	2.91E+00	2.25E+00	0.00E+00
TEENAGE	GROUND	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02
TEENAGE	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
TEENAGE	VEG. ING	3.03E+00	5.01E+01	6.94E+00	6.94E+00	6.51E+00	0.00E+00
TEENAGE	MEAT ING	3.31E-01	5.43E+00	8.57E-01	8.57E-01	7.56E-01	0.00E+00
TEENAGE	MILK ING	6.54E-01	1.38E+01	8.50E-01	8.50E-01	1.15E+00	0.00E+00
TEENAGE	TOTALS	1.42E+01	1.46E+02	6.40E+01	1.16E+01	1.07E+01	1.41E-02
ADULT	INHAL.	8.68E+00	7.18E+01	4.56E+01	2.41E+00	1.72E+00	0.00E+00
ADULT	GROUND	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02
ADULT	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
ADULT	VEG. ING	1.71E+00	2.09E+01	4.52E+00	4.52E+00	4.09E+00	0.00E+00
ADULT	MEAT ING	2.41E-01	2.96E+00	7.08E-01	7.08E-01	6.08E-01	0.00E+00
ADULT	MILK ING	1.25E-01	1.88E+00	2.11E-01	2.11E-01	2.63E-01	0.00E+00
ADULT	TOTALS	1.08E+01	9.76E+01	5.11E+01	7.86E+00	6.70E+00	1.41E-02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 47  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0  
 NUMBER 7 NAME-Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.84E+01	8.17E+01	2.32E+02	1.66E+01	1.31E+01	5.69E+01
INFANT	GROUND	5.04E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01
INFANT	CLOUD	5.40E-02	5.40E-02	5.40E-02	5.40E-02	5.40E-02	5.40E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.31E+00	1.41E+01	5.85E+00	5.85E+00	9.51E+00	0.00E+00
INFANT	TOTALS	4.33E+01	9.64E+01	2.38E+02	2.30E+01	2.32E+01	5.75E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.99E+01	6.89E+01	1.07E+02	6.69E+00	4.49E+00	5.69E+01
CHILD	GROUND	5.04E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01
CHILD	CLOUD	5.40E-02	5.40E-02	5.40E-02	5.40E-02	5.40E-02	5.40E-02
CHILD	VEG. ING	1.87E+00	9.36E+00	7.78E+00	7.78E+00	6.36E+00	0.00E+00
CHILD	MEAT ING	2.10E-01	1.05E+00	9.80E-01	9.80E-01	7.58E-01	0.00E+00
CHILD	MILK ING	4.79E-01	3.09E+00	1.32E+00	1.32E+00	1.50E+00	0.00E+00
CHILD	TOTALS	2.30E+01	8.30E+01	1.18E+02	1.73E+01	1.37E+01	5.75E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.36E+01	7.66E+01	5.53E+01	2.92E+00	2.25E+00	5.69E+01
TEENAGE	GROUND	5.04E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01
TEENAGE	CLOUD	5.40E-02	5.40E-02	5.40E-02	5.40E-02	5.40E-02	5.40E-02
TEENAGE	VEG. ING	3.03E+00	5.01E+01	6.94E+00	6.94E+00	6.51E+00	0.00E+00
TEENAGE	MEAT ING	3.31E-01	5.43E+00	8.57E-01	8.57E-01	7.56E-01	0.00E+00
TEENAGE	MILK ING	6.54E-01	1.38E+01	8.50E-01	8.50E-01	1.15E+00	0.00E+00
TEENAGE	TOTALS	1.81E+01	1.47E+02	6.45E+01	1.21E+01	1.12E+01	5.75E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.21E+01	7.18E+01	4.56E+01	2.41E+00	1.72E+00	5.69E+01
ADULT	GROUND	5.04E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01	5.04E-01
ADULT	CLOUD	5.40E-02	5.40E-02	5.40E-02	5.40E-02	5.40E-02	5.40E-02
ADULT	VEG. ING	1.71E+00	2.09E+01	4.52E+00	4.52E+00	4.09E+00	0.00E+00
ADULT	MEAT ING	2.41E-01	2.96E+00	7.08E-01	7.08E-01	6.08E-01	0.00E+00
ADULT	MILK ING	1.25E-01	1.88E+00	2.11E-01	2.11E-01	2.63E-01	0.00E+00
ADULT	TOTALS	1.47E+01	9.82E+01	5.16E+01	8.41E+00	7.24E+00	5.75E+01

NUMBER 8 NAME=Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.69E+01	1.59E+02	5.23E+02	3.23E+01	2.57E+01	0.00E+00
INFANT	GROUND	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02
INFANT	CLOUD	1.34E-06	1.34E-06	1.34E-06	1.34E-06	1.34E-06	1.34E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	9.34E+00	3.02E+01	1.14E+01	1.14E+01	2.14E+01	0.00E+00
INFANT	TOTALS	8.63E+01	1.90E+02	5.34E+02	4.37E+01	4.71E+01	3.09E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.63E+01	1.34E+02	2.43E+02	1.30E+01	8.81E+00	0.00E+00
CHILD	GROUND	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02
CHILD	CLOUD	1.34E-06	1.34E-06	1.34E-06	1.34E-06	1.34E-06	1.34E-06
CHILD	VEG. ING	3.71E+00	1.86E+01	1.51E+01	1.51E+01	1.28E+01	0.00E+00
CHILD	MEAT ING	4.14E-01	2.06E+00	1.91E+00	1.91E+00	1.50E+00	0.00E+00
CHILD	MILK ING	9.91E-01	6.30E+00	2.58E+00	2.58E+00	3.27E+00	0.00E+00
CHILD	TOTALS	4.14E+01	1.61E+02	2.63E+02	3.27E+01	2.64E+01	3.09E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.19E+01	1.49E+02	1.26E+02	5.68E+00	4.42E+00	0.00E+00
TEENAGE	GROUND	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02
TEENAGE	CLOUD	1.34E-06	1.34E-06	1.34E-06	1.34E-06	1.34E-06	1.34E-06
TEENAGE	VEG. ING	5.99E+00	9.98E+01	1.35E+01	1.35E+01	1.31E+01	0.00E+00
TEENAGE	MEAT ING	6.50E-01	1.07E+01	1.67E+00	1.67E+00	1.50E+00	0.00E+00
TEENAGE	MILK ING	1.33E+00	2.82E+01	1.66E+00	1.66E+00	2.50E+00	0.00E+00
TEENAGE	TOTALS	2.99E+01	2.88E+02	1.43E+02	2.25E+01	2.16E+01	3.09E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.87E+01	1.40E+02	1.04E+02	4.69E+00	3.38E+00	0.00E+00
ADULT	GROUND	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02
ADULT	CLOUD	1.34E-06	1.34E-06	1.34E-06	1.34E-06	1.34E-06	1.34E-06
ADULT	VEG. ING	3.38E+00	4.14E+01	8.81E+00	8.81E+00	8.22E+00	0.00E+00
ADULT	MEAT ING	4.72E-01	5.82E+00	1.38E+00	1.38E+00	1.20E+00	0.00E+00
ADULT	MILK ING	2.53E-01	3.80E+00	4.10E-01	4.10E-01	5.67E-01	0.00E+00
ADULT	TOTALS	2.29E+01	1.91E+02	1.15E+02	1.53E+01	1.34E+01	3.09E-02



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 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.93E+01	1.59E+02	5.23E+02	3.23E+01	2.57E+01	4.02E+01
INFANT	GROUND	9.79E-01	9.79E-01	9.79E-01	9.79E-01	9.79E-01	9.79E-01
INFANT	CLOUD	5.42E-02	5.42E-02	5.42E-02	5.42E-02	5.42E-02	5.42E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	9.34E+00	3.02E+01	1.14E+01	1.14E+01	2.14E+01	0.00E+00
INFANT	TOTALS	8.97E+01	1.91E+02	5.35E+02	4.47E+01	4.81E+01	4.13E+01
CHILD	INHAL.	3.87E+01	1.34E+02	2.43E+02	1.30E+01	8.81E+00	4.02E+01
CHILD	GROUND	9.79E-01	9.79E-01	9.79E-01	9.79E-01	9.79E-01	9.79E-01
CHILD	CLOUD	5.42E-02	5.42E-02	5.42E-02	5.42E-02	5.42E-02	5.42E-02
CHILD	VEG. ING	3.71E+00	1.86E+01	1.51E+01	1.51E+01	1.28E+01	0.00E+00
CHILD	MEAT ING	4.14E-01	2.06E+00	1.91E+00	1.91E+00	1.50E+00	0.00E+00
CHILD	MILK ING	9.91E-01	6.30E+00	2.58E+00	2.58E+00	3.27E+00	0.00E+00
CHILD	TOTALS	4.48E+01	1.62E+02	2.64E+02	3.37E+01	2.74E+01	4.13E+01
TEENAGE	INHAL.	2.43E+01	1.49E+02	1.26E+02	5.68E+00	4.42E+00	4.02E+01
TEENAGE	GROUND	9.79E-01	9.79E-01	9.79E-01	9.79E-01	9.79E-01	9.79E-01
TEENAGE	CLOUD	5.42E-02	5.42E-02	5.42E-02	5.42E-02	5.42E-02	5.42E-02
TEENAGE	VEG. ING	5.99E+00	9.98E+01	1.35E+01	1.35E+01	1.31E+01	0.00E+00
TEENAGE	MEAT ING	6.50E-01	1.07E+01	1.67E+00	1.67E+00	1.50E+00	0.00E+00
TEENAGE	MILK ING	1.33E+00	2.82E+01	1.66E+00	1.66E+00	2.50E+00	0.00E+00
TEENAGE	TOTALS	3.33E+01	2.89E+02	1.44E+02	2.36E+01	2.26E+01	4.13E+01
ADULT	INHAL.	2.11E+01	1.40E+02	1.04E+02	4.69E+00	3.38E+00	4.02E+01
ADULT	GROUND	9.79E-01	9.79E-01	9.79E-01	9.79E-01	9.79E-01	9.79E-01
ADULT	CLOUD	5.42E-02	5.42E-02	5.42E-02	5.42E-02	5.42E-02	5.42E-02
ADULT	VEG. ING	3.38E+00	4.14E+01	8.81E+00	8.81E+00	8.22E+00	0.00E+00
ADULT	MEAT ING	4.72E-01	5.82E+00	1.38E+00	1.38E+00	1.20E+00	0.00E+00
ADULT	MILK ING	2.53E-01	3.80E+00	4.10E-01	4.10E-01	5.67E-01	0.00E+00
ADULT	TOTALS	2.63E+01	1.92E+02	1.16E+02	1.63E+01	1.44E+01	4.13E+01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 50  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 1. 25-YEAR ACTION PERIO DURATION IN YRS IS... 3.0  
 NUMBER 9 NAME-Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.62E+02	5.22E+02	1.80E+03	1.06E+02	8.44E+01	0.00E+00
INFANT	GROUND	1.05E-01	1.05E-01	1.05E-01	1.05E-01	1.05E-01	1.05E-01
INFANT	CLOUD	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.17E+01	1.02E+02	3.74E+01	3.74E+01	7.34E+01	0.00E+00
INFANT	TOTALS	2.94E+02	6.24E+02	1.83E+03	1.43E+02	1.58E+02	1.05E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.24E+02	4.40E+02	8.37E+02	4.27E+01	2.89E+01	0.00E+00
CHILD	GROUND	1.05E-01	1.05E-01	1.05E-01	1.05E-01	1.05E-01	1.05E-01
CHILD	CLOUD	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06
CHILD	VEG. ING	1.22E+01	6.12E+01	4.96E+01	4.96E+01	4.25E+01	0.00E+00
CHILD	MEAT ING	1.36E+00	6.78E+00	6.25E+00	6.25E+00	4.95E+00	0.00E+00
CHILD	MILK ING	3.32E+00	2.10E+01	8.45E+00	8.45E+00	1.11E+01	0.00E+00
CHILD	TOTALS	1.41E+02	5.29E+02	9.02E+02	1.07E+02	8.76E+01	1.05E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.43E+01	4.89E+02	4.33E+02	1.86E+01	1.45E+01	0.00E+00
TEENAGE	GROUND	1.05E-01	1.05E-01	1.05E-01	1.05E-01	1.05E-01	1.05E-01
TEENAGE	CLOUD	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06
TEENAGE	VEG. ING	1.97E+01	3.29E+02	4.43E+01	4.43E+01	4.35E+01	0.00E+00
TEENAGE	MEAT ING	2.14E+00	3.52E+01	5.47E+00	5.47E+00	4.94E+00	0.00E+00
TEENAGE	MILK ING	4.42E+00	9.37E+01	5.43E+00	5.43E+00	8.49E+00	0.00E+00
TEENAGE	TOTALS	1.01E+02	9.48E+02	4.89E+02	7.39E+01	7.16E+01	1.05E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.34E+01	4.59E+02	3.58E+02	1.54E+01	1.11E+01	0.00E+00
ADULT	GROUND	1.05E-01	1.05E-01	1.05E-01	1.05E-01	1.05E-01	1.05E-01
ADULT	CLOUD	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06
ADULT	VEG. ING	1.11E+01	1.36E+02	2.89E+01	2.89E+01	2.72E+01	0.00E+00
ADULT	MEAT ING	1.55E+00	1.91E+01	4.52E+00	4.52E+00	3.96E+00	0.00E+00
ADULT	MILK ING	8.39E-01	1.26E+01	1.35E+00	1.35E+00	1.92E+00	0.00E+00
ADULT	TOTALS	7.70E+01	6.27E+02	3.93E+02	5.02E+01	4.43E+01	1.05E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 51  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0  
 NUMBER 9 NAME-Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.65E+02	5.22E+02	1.80E+03	1.06E+02	8.44E+01	5.52E+01
INFANT	GROUND	3.20E+00	3.20E+00	3.20E+00	3.20E+00	3.20E+00	3.20E+00
INFANT	CLOUD	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.17E+01	1.02E+02	3.74E+01	3.74E+01	7.34E+01	0.00E+00
INFANT	TOTALS	3.00E+02	6.27E+02	1.84E+03	1.46E+02	1.61E+02	5.84E+01
CHILD	INHAL.	1.27E+02	4.40E+02	8.37E+02	4.27E+01	2.89E+01	5.52E+01
CHILD	GROUND	3.20E+00	3.20E+00	3.20E+00	3.20E+00	3.20E+00	3.20E+00
CHILD	CLOUD	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02
CHILD	VEG. ING	1.22E+01	6.13E+01	4.96E+01	4.96E+01	4.25E+01	0.00E+00
CHILD	MEAT ING	1.36E+00	6.78E+00	6.25E+00	6.25E+00	4.95E+00	0.00E+00
CHILD	MILK ING	3.32E+00	2.10E+01	8.45E+00	8.45E+00	1.11E+01	0.00E+00
CHILD	TOTALS	1.47E+02	5.33E+02	9.05E+02	1.10E+02	9.07E+01	5.84E+01
TEENAGE	INHAL.	7.77E+01	4.89E+02	4.33E+02	1.86E+01	1.45E+01	5.52E+01
TEENAGE	GROUND	3.20E+00	3.20E+00	3.20E+00	3.20E+00	3.20E+00	3.20E+00
TEENAGE	CLOUD	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02
TEENAGE	VEG. ING	1.97E+01	3.29E+02	4.43E+01	4.43E+01	4.35E+01	0.00E+00
TEENAGE	MEAT ING	2.14E+00	3.52E+01	5.47E+00	5.47E+00	4.94E+00	0.00E+00
TEENAGE	MILK ING	4.42E+00	9.37E+01	5.43E+00	5.43E+00	8.49E+00	0.00E+00
TEENAGE	TOTALS	1.07E+02	9.51E+02	4.92E+02	7.71E+01	7.47E+01	5.84E+01
ADULT	INHAL.	6.67E+01	4.59E+02	3.58E+02	1.54E+01	1.11E+01	5.52E+01
ADULT	GROUND	3.20E+00	3.20E+00	3.20E+00	3.20E+00	3.20E+00	3.20E+00
ADULT	CLOUD	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02
ADULT	VEG. ING	1.11E+01	1.36E+02	2.89E+01	2.89E+01	2.72E+01	0.00E+00
ADULT	MEAT ING	1.55E+00	1.91E+01	4.52E+00	4.52E+00	3.96E+00	0.00E+00
ADULT	MILK ING	8.39E-01	1.26E+01	1.35E+00	1.35E+00	1.92E+00	0.00E+00
ADULT	TOTALS	8.35E+01	6.30E+02	3.96E+02	5.34E+01	4.75E+01	5.84E+01

NUMBER 10 NAME-Bailroil    X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.16E-01	2.52E-01	7.77E-01	5.10E-02	4.05E-02	0.00E+00
INFANT	GROUND	4.65E-05	4.65E-05	4.65E-05	4.65E-05	4.65E-05	4.65E-05
INFANT	CLOUD	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.41E-02	4.59E-02	1.80E-02	1.80E-02	3.18E-02	0.00E+00
INFANT	TOTALS	1.30E-01	2.97E-01	7.95E-01	6.90E-02	7.24E-02	4.65E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.45E-02	2.12E-01	3.61E-01	2.06E-02	1.39E-02	0.00E+00
CHILD	GROUND	4.65E-05	4.65E-05	4.65E-05	4.65E-05	4.65E-05	4.65E-05
CHILD	CLOUD	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
CHILD	VEG. ING	5.81E-03	2.91E-02	2.39E-02	2.39E-02	1.99E-02	0.00E+00
CHILD	MEAT ING	6.51E-04	3.24E-03	3.02E-03	3.02E-03	2.36E-03	0.00E+00
CHILD	MILK ING	1.53E-03	9.77E-03	4.07E-03	4.07E-03	4.94E-03	0.00E+00
CHILD	TOTALS	6.25E-02	2.54E-01	3.92E-01	5.16E-02	4.12E-02	4.65E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.32E-02	2.36E-01	1.87E-01	8.97E-03	6.96E-03	0.00E+00
TEENAGE	GROUND	4.65E-05	4.65E-05	4.65E-05	4.65E-05	4.65E-05	4.65E-05
TEENAGE	CLOUD	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
TEENAGE	VEG. ING	9.40E-03	1.56E-01	2.13E-02	2.13E-02	2.04E-02	0.00E+00
TEENAGE	MEAT ING	1.02E-03	1.68E-02	2.64E-03	2.64E-03	2.35E-03	0.00E+00
TEENAGE	MILK ING	2.06E-03	4.37E-02	2.62E-03	2.62E-03	3.77E-03	0.00E+00
TEENAGE	TOTALS	4.57E-02	4.52E-01	2.13E-01	3.56E-02	3.35E-02	4.65E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.83E-02	2.21E-01	1.54E-01	7.40E-03	5.32E-03	0.00E+00
ADULT	GROUND	4.65E-05	4.65E-05	4.65E-05	4.65E-05	4.65E-05	4.65E-05
ADULT	CLOUD	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
ADULT	VEG. ING	5.30E-03	6.49E-02	1.39E-02	1.39E-02	1.28E-02	0.00E+00
ADULT	MEAT ING	7.44E-04	9.16E-03	2.18E-03	2.18E-03	1.89E-03	0.00E+00
ADULT	MILK ING	3.93E-04	5.92E-03	6.48E-04	6.48E-04	8.58E-04	0.00E+00
ADULT	TOTALS	3.48E-02	3.01E-01	1.71E-01	2.42E-02	2.09E-02	4.65E-05

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 53  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIO      DURATION IN YRS IS... 3.0  
 NUMBER 10 NAME-Bailroil      X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.78E-01	2.64E-01	7.79E-01	1.17E-01	6.60E-02	9.65E-01
INFANT	GROUND	1.66E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03
INFANT	CLOUD	8.08E-03	8.08E-03	8.08E-03	8.08E-03	8.08E-03	8.08E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.63E-02	5.01E-02	2.59E-02	2.59E-02	3.88E-02	0.00E+00
INFANT	TOTALS	2.04E-01	3.24E-01	8.14E-01	1.52E-01	1.15E-01	9.74E-01
CHILD	INHAL.	1.14E-01	2.22E-01	3.61E-01	4.97E-02	2.59E-02	9.65E-01
CHILD	GROUND	1.66E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03
CHILD	CLOUD	8.08E-03	8.08E-03	8.08E-03	8.08E-03	8.08E-03	8.08E-03
CHILD	VEG. ING	7.95E-03	3.88E-02	3.54E-02	3.54E-02	2.83E-02	0.00E+00
CHILD	MEAT ING	9.23E-04	4.48E-03	4.47E-03	4.47E-03	3.42E-03	0.00E+00
CHILD	MILK ING	1.87E-03	1.13E-02	5.92E-03	5.92E-03	6.30E-03	0.00E+00
CHILD	TOTALS	1.35E-01	2.86E-01	4.17E-01	1.05E-01	7.37E-02	9.74E-01
TEENAGE	INHAL.	9.31E-02	2.59E-01	1.87E-01	2.14E-02	1.30E-02	9.65E-01
TEENAGE	GROUND	1.66E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03
TEENAGE	CLOUD	8.08E-03	8.08E-03	8.08E-03	8.08E-03	8.08E-03	8.08E-03
TEENAGE	VEG. ING	1.26E-02	2.03E-01	3.15E-02	3.15E-02	2.89E-02	0.00E+00
TEENAGE	MEAT ING	1.42E-03	2.27E-02	3.91E-03	3.91E-03	3.40E-03	0.00E+00
TEENAGE	MILK ING	2.43E-03	4.91E-02	3.79E-03	3.79E-03	4.74E-03	0.00E+00
TEENAGE	TOTALS	1.19E-01	5.44E-01	2.36E-01	7.04E-02	5.97E-02	9.74E-01
ADULT	INHAL.	8.79E-02	2.35E-01	1.54E-01	1.78E-02	1.03E-02	9.65E-01
ADULT	GROUND	1.66E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03
ADULT	CLOUD	8.08E-03	8.08E-03	8.08E-03	8.08E-03	8.08E-03	8.08E-03
ADULT	VEG. ING	7.24E-03	8.73E-02	2.06E-02	2.06E-02	1.82E-02	0.00E+00
ADULT	MEAT ING	1.05E-03	1.27E-02	3.23E-03	3.23E-03	2.74E-03	0.00E+00
ADULT	MILK ING	4.79E-04	6.91E-03	9.43E-04	9.43E-04	1.10E-03	0.00E+00
ADULT	TOTALS	1.06E-01	3.52E-01	1.89E-01	5.23E-02	4.21E-02	9.74E-01



NUMBER 11 NAME=Jeffrey City X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.09E-01	2.36E-01	7.36E-01	4.77E-02	3.79E-02	0.00E+00
INFANT	GROUND	4.39E-05	4.39E-05	4.39E-05	4.39E-05	4.39E-05	4.39E-05
INFANT	CLOUD	1.87E-09	1.87E-09	1.87E-09	1.87E-09	1.87E-09	1.87E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.33E-02	4.32E-02	1.69E-02	1.69E-02	3.01E-02	0.00E+00
INFANT	TOTALS	1.23E-01	2.79E-01	7.52E-01	6.46E-02	6.81E-02	4.39E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.14E-02	1.99E-01	3.42E-01	1.93E-02	1.30E-02	0.00E+00
CHILD	GROUND	4.39E-05	4.39E-05	4.39E-05	4.39E-05	4.39E-05	4.39E-05
CHILD	CLOUD	1.87E-09	1.87E-09	1.87E-09	1.87E-09	1.87E-09	1.87E-09
CHILD	VEG. ING	5.45E-03	2.73E-02	2.24E-02	2.24E-02	1.87E-02	0.00E+00
CHILD	MEAT ING	6.10E-04	3.04E-03	2.82E-03	2.82E-03	2.21E-03	0.00E+00
CHILD	MILK ING	1.43E-03	9.17E-03	3.81E-03	3.81E-03	4.66E-03	0.00E+00
CHILD	TOTALS	5.90E-02	2.38E-01	3.71E-01	4.83E-02	3.86E-02	4.39E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.13E-02	2.21E-01	1.77E-01	8.39E-03	6.52E-03	0.00E+00
TEENAGE	GROUND	4.39E-05	4.39E-05	4.39E-05	4.39E-05	4.39E-05	4.39E-05
TEENAGE	CLOUD	1.87E-09	1.87E-09	1.87E-09	1.87E-09	1.87E-09	1.87E-09
TEENAGE	VEG. ING	8.81E-03	1.46E-01	2.00E-02	2.00E-02	1.92E-02	0.00E+00
TEENAGE	MEAT ING	9.59E-04	1.57E-02	2.47E-03	2.47E-03	2.20E-03	0.00E+00
TEENAGE	MILK ING	1.94E-03	4.10E-02	2.45E-03	2.45E-03	3.56E-03	0.00E+00
TEENAGE	TOTALS	4.30E-02	4.24E-01	2.02E-01	3.33E-02	3.15E-02	4.39E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.67E-02	2.07E-01	1.46E-01	6.93E-03	4.98E-03	0.00E+00
ADULT	GROUND	4.39E-05	4.39E-05	4.39E-05	4.39E-05	4.39E-05	4.39E-05
ADULT	CLOUD	1.87E-09	1.87E-09	1.87E-09	1.87E-09	1.87E-09	1.87E-09
ADULT	VEG. ING	4.97E-03	6.08E-02	1.30E-02	1.30E-02	1.20E-02	0.00E+00
ADULT	MEAT ING	6.97E-04	8.58E-03	2.04E-03	2.04E-03	1.77E-03	0.00E+00
ADULT	MILK ING	3.69E-04	5.55E-03	6.07E-04	6.07E-04	8.09E-04	0.00E+00
ADULT	TOTALS	3.28E-02	2.82E-01	1.62E-01	2.27E-02	1.96E-02	4.39E-05

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 55  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIO      DURATION IN YRS IS... 3.0  
 NUMBER 11 NAME=Jeffrey City      X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.30E-01	2.41E-01	7.36E-01	7.79E-02	4.97E-02	3.11E-01
INFANT	GROUND	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03
INFANT	CLOUD	2.68E-03	2.68E-03	2.68E-03	2.68E-03	2.68E-03	2.68E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.43E-02	4.52E-02	2.05E-02	2.05E-02	3.33E-02	0.00E+00
INFANT	TOTALS	1.48E-01	2.91E-01	7.61E-01	1.03E-01	8.72E-02	3.15E-01
CHILD	INHAL.	7.11E-02	2.03E-01	3.42E-01	3.27E-02	1.85E-02	3.11E-01
CHILD	GROUND	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03
CHILD	CLOUD	2.68E-03	2.68E-03	2.68E-03	2.68E-03	2.68E-03	2.68E-03
CHILD	VEG. ING	6.43E-03	3.18E-02	2.77E-02	2.77E-02	2.26E-02	0.00E+00
CHILD	MEAT ING	7.35E-04	3.61E-03	3.49E-03	3.49E-03	2.70E-03	0.00E+00
CHILD	MILK ING	1.59E-03	9.90E-03	4.66E-03	4.66E-03	5.29E-03	0.00E+00
CHILD	TOTALS	8.40E-02	2.52E-01	3.82E-01	7.26E-02	5.32E-02	3.15E-01
TEENAGE	INHAL.	5.09E-02	2.32E-01	1.77E-01	1.41E-02	9.28E-03	3.11E-01
TEENAGE	GROUND	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03
TEENAGE	CLOUD	2.68E-03	2.68E-03	2.68E-03	2.68E-03	2.68E-03	2.68E-03
TEENAGE	VEG. ING	1.03E-02	1.68E-01	2.47E-02	2.47E-02	2.30E-02	0.00E+00
TEENAGE	MEAT ING	1.14E-03	1.84E-02	3.05E-03	3.05E-03	2.69E-03	0.00E+00
TEENAGE	MILK ING	2.11E-03	4.35E-02	2.99E-03	2.99E-03	4.01E-03	0.00E+00
TEENAGE	TOTALS	6.86E-02	4.66E-01	2.12E-01	4.90E-02	4.32E-02	3.15E-01
ADULT	INHAL.	4.62E-02	2.13E-01	1.46E-01	1.17E-02	7.28E-03	3.11E-01
ADULT	GROUND	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03	1.48E-03
ADULT	CLOUD	2.68E-03	2.68E-03	2.68E-03	2.68E-03	2.68E-03	2.68E-03
ADULT	VEG. ING	5.86E-03	7.11E-02	1.61E-02	1.61E-02	1.45E-02	0.00E+00
ADULT	MEAT ING	8.37E-04	1.02E-02	2.52E-03	2.52E-03	2.16E-03	0.00E+00
ADULT	MILK ING	4.08E-04	6.01E-03	7.42E-04	7.42E-04	9.20E-04	0.00E+00
ADULT	TOTALS	5.75E-02	3.05E-01	1.70E-01	3.52E-02	2.90E-02	3.15E-01

REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 56  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIO    DURATION IN YRS IS... 3.0

NUMBER 12 NAME=Rawlins    X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.23E-02	4.82E-02	1.50E-01	9.76E-03	7.75E-03	0.00E+00
INFANT	GROUND	8.96E-06	8.96E-06	8.96E-06	8.96E-06	8.96E-06	8.96E-06
INFANT	CLOUD	3.82E-10	3.82E-10	3.82E-10	3.82E-10	3.82E-10	3.82E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.72E-03	8.82E-03	3.45E-03	3.45E-03	6.14E-03	0.00E+00
INFANT	TOTALS	2.50E-02	5.70E-02	1.53E-01	1.32E-02	1.39E-02	8.96E-06
CHILD	INHAL.	1.05E-02	4.06E-02	6.97E-02	3.94E-03	2.66E-03	0.00E+00
CHILD	GROUND	8.96E-06	8.96E-06	8.96E-06	8.96E-06	8.96E-06	8.96E-06
CHILD	CLOUD	3.82E-10	3.82E-10	3.82E-10	3.82E-10	3.82E-10	3.82E-10
CHILD	VEG. ING	1.11E-03	5.58E-03	4.58E-03	4.58E-03	3.83E-03	0.00E+00
CHILD	MEAT ING	1.25E-04	6.21E-04	5.77E-04	5.77E-04	4.51E-04	0.00E+00
CHILD	MILK ING	2.93E-04	1.87E-03	7.79E-04	7.79E-04	9.51E-04	0.00E+00
CHILD	TOTALS	1.20E-02	4.87E-02	7.56E-02	9.88E-03	7.89E-03	8.96E-06
TEENAGE	INHAL.	6.38E-03	4.51E-02	3.60E-02	1.72E-03	1.33E-03	0.00E+00
TEENAGE	GROUND	8.96E-06	8.96E-06	8.96E-06	8.96E-06	8.96E-06	8.96E-06
TEENAGE	CLOUD	3.82E-10	3.82E-10	3.82E-10	3.82E-10	3.82E-10	3.82E-10
TEENAGE	VEG. ING	1.80E-03	2.99E-02	4.09E-03	4.09E-03	3.92E-03	0.00E+00
TEENAGE	MEAT ING	1.96E-04	3.22E-03	5.05E-04	5.05E-04	4.50E-04	0.00E+00
TEENAGE	MILK ING	3.96E-04	8.38E-03	5.01E-04	5.01E-04	7.26E-04	0.00E+00
TEENAGE	TOTALS	8.79E-03	8.67E-02	4.11E-02	6.82E-03	6.43E-03	8.96E-06
ADULT	INHAL.	5.46E-03	4.23E-02	2.97E-02	1.42E-03	1.02E-03	0.00E+00
ADULT	GROUND	8.96E-06	8.96E-06	8.96E-06	8.96E-06	8.96E-06	8.96E-06
ADULT	CLOUD	3.82E-10	3.82E-10	3.82E-10	3.82E-10	3.82E-10	3.82E-10
ADULT	VEG. ING	1.02E-03	1.24E-02	2.66E-03	2.66E-03	2.46E-03	0.00E+00
ADULT	MEAT ING	1.42E-04	1.75E-03	4.17E-04	4.17E-04	3.61E-04	0.00E+00
ADULT	MILK ING	7.54E-05	1.13E-03	1.24E-04	1.24E-04	1.65E-04	0.00E+00
ADULT	TOTALS	6.70E-03	5.77E-02	3.30E-02	4.63E-03	4.01E-03	8.96E-06

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 57  
 METSET: Sweetwater WY DATA: 40cFr.in 02/25/94  
 TIME STEP NUMBER 1, 25-YEAR ACTION PERIOD DURATION IN YRS IS... 3.0  
 NUMBER 12 NAME=Rawlins X= 54.6KM, Y=-27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.24E-02	5.13E-02	1.50E-01	2.63E-02	1.42E-02	1.51E-01
INFANT	GROUND	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
INFANT	CLOUD	1.30E-03	1.30E-03	1.30E-03	1.30E-03	1.30E-03	1.30E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.26E-03	9.90E-03	5.44E-03	5.44E-03	7.90E-03	0.00E+00
INFANT	TOTALS	3.73E-02	6.29E-02	1.57E-01	3.33E-02	2.37E-02	1.53E-01
CHILD	INHAL.	2.01E-02	4.30E-02	6.98E-02	1.13E-02	5.68E-03	1.51E-01
CHILD	GROUND	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
CHILD	CLOUD	1.30E-03	1.30E-03	1.30E-03	1.30E-03	1.30E-03	1.30E-03
CHILD	VEG. ING	1.65E-03	8.02E-03	7.46E-03	7.46E-03	5.94E-03	0.00E+00
CHILD	MEAT ING	1.93E-04	9.32E-04	9.43E-04	9.43E-04	7.20E-04	0.00E+00
CHILD	MILK ING	3.80E-04	2.27E-03	1.25E-03	1.25E-03	1.29E-03	0.00E+00
CHILD	TOTALS	2.39E-02	5.59E-02	8.11E-02	2.25E-02	1.53E-02	1.53E-01
TEENAGE	INHAL.	1.60E-02	5.11E-02	3.61E-02	4.86E-03	2.85E-03	1.51E-01
TEENAGE	GROUND	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
TEENAGE	CLOUD	1.30E-03	1.30E-03	1.30E-03	1.30E-03	1.30E-03	1.30E-03
TEENAGE	VEG. ING	2.61E-03	4.18E-02	6.65E-03	6.65E-03	6.04E-03	0.00E+00
TEENAGE	MEAT ING	2.97E-04	4.70E-03	8.25E-04	8.25E-04	7.15E-04	0.00E+00
TEENAGE	MILK ING	4.89E-04	9.75E-03	7.98E-04	7.98E-04	9.72E-04	0.00E+00
TEENAGE	TOTALS	2.10E-02	1.09E-01	4.60E-02	1.48E-02	1.22E-02	1.53E-01
ADULT	INHAL.	1.50E-02	4.58E-02	2.98E-02	4.04E-03	2.28E-03	1.51E-01
ADULT	GROUND	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
ADULT	CLOUD	1.30E-03	1.30E-03	1.30E-03	1.30E-03	1.30E-03	1.30E-03
ADULT	VEG. ING	1.50E-03	1.81E-02	4.34E-03	4.34E-03	3.82E-03	0.00E+00
ADULT	MEAT ING	2.19E-04	2.64E-03	6.81E-04	6.81E-04	5.77E-04	0.00E+00
ADULT	MILK ING	9.70E-05	1.38E-03	1.98E-04	1.98E-04	2.26E-04	0.00E+00
ADULT	TOTALS	1.84E-02	6.95E-02	3.66E-02	1.09E-02	8.52E-03	1.53E-01

NUMBER 13 NAME=Special Receptor #1 X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.95E+01	1.51E+02	3.85E+02	3.06E+01	2.42E+01	0.00E+00
INFANT	GROUND	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02
INFANT	CLOUD	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.41E+00	2.45E+01	1.08E+01	1.08E+01	1.58E+01	0.00E+00
INFANT	TOTALS	6.69E+01	1.76E+02	3.96E+02	4.15E+01	4.00E+01	2.40E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.80E+01	1.27E+02	1.77E+02	1.24E+01	8.26E+00	0.00E+00
CHILD	GROUND	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02
CHILD	CLOUD	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07
CHILD	VEG. ING	3.41E+00	1.71E+01	1.44E+01	1.44E+01	1.15E+01	0.00E+00
CHILD	MEAT ING	3.86E-01	1.93E+00	1.81E+00	1.81E+00	1.39E+00	0.00E+00
CHILD	MILK ING	8.49E-01	5.55E+00	2.44E+00	2.44E+00	2.57E+00	0.00E+00
CHILD	TOTALS	3.26E+01	1.52E+02	1.96E+02	3.10E+01	2.38E+01	2.40E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.74E+01	1.42E+02	9.14E+01	5.39E+00	4.14E+00	0.00E+00
TEENAGE	GROUND	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02
TEENAGE	CLOUD	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07
TEENAGE	VEG. ING	5.54E+00	9.14E+01	1.28E+01	1.28E+01	1.18E+01	0.00E+00
TEENAGE	MEAT ING	6.09E-01	9.96E+00	1.59E+00	1.59E+00	1.38E+00	0.00E+00
TEENAGE	MILK ING	1.18E+00	2.48E+01	1.57E+00	1.57E+00	1.97E+00	0.00E+00
TEENAGE	TOTALS	2.48E+01	2.68E+02	1.07E+02	2.14E+01	1.93E+01	2.40E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.50E+01	1.33E+02	7.53E+01	4.45E+00	3.16E+00	0.00E+00
ADULT	GROUND	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02	2.40E-02
ADULT	CLOUD	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07
ADULT	VEG. ING	3.14E+00	3.83E+01	8.36E+00	8.36E+00	7.42E+00	0.00E+00
ADULT	MEAT ING	4.43E-01	5.45E+00	1.31E+00	1.31E+00	1.11E+00	0.00E+00
ADULT	MILK ING	2.25E-01	3.40E+00	3.89E-01	3.89E-01	4.52E-01	0.00E+00
ADULT	TOTALS	1.88E+01	1.80E+02	8.54E+01	1.45E+01	1.22E+01	2.40E-02

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.82E+01	1.51E+02	3.85E+02	3.06E+01	2.42E+01	1.45E+02
INFANT	GROUND	9.32E-01	9.32E-01	9.32E-01	9.32E-01	9.32E-01	9.32E-01
INFANT	CLOUD	4.90E-02	4.90E-02	4.90E-02	4.90E-02	4.90E-02	4.90E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.41E+00	2.45E+01	1.08E+01	1.08E+01	1.58E+01	0.00E+00
INFANT	TOTALS	7.66E+01	1.76E+02	3.97E+02	4.24E+01	4.10E+01	1.46E+02
CHILD	INHAL.	3.67E+01	1.27E+02	1.77E+02	1.24E+01	8.26E+00	1.45E+02
CHILD	GROUND	9.32E-01	9.32E-01	9.32E-01	9.32E-01	9.32E-01	9.32E-01
CHILD	CLOUD	4.90E-02	4.90E-02	4.90E-02	4.90E-02	4.90E-02	4.90E-02
CHILD	VEG. ING	3.41E+00	1.71E+01	1.44E+01	1.44E+01	1.15E+01	0.00E+00
CHILD	MEAT ING	3.86E-01	1.93E+00	1.81E+00	1.81E+00	1.39E+00	0.00E+00
CHILD	MILK ING	8.49E-01	5.55E+00	2.44E+00	2.44E+00	2.57E+00	0.00E+00
CHILD	TOTALS	4.23E+01	1.53E+02	1.97E+02	3.20E+01	2.47E+01	1.46E+02
TEENAGE	INHAL.	2.62E+01	1.42E+02	9.14E+01	5.39E+00	4.14E+00	1.45E+02
TEENAGE	GROUND	9.32E-01	9.32E-01	9.32E-01	9.32E-01	9.32E-01	9.32E-01
TEENAGE	CLOUD	4.90E-02	4.90E-02	4.90E-02	4.90E-02	4.90E-02	4.90E-02
TEENAGE	VEG. ING	5.54E+00	9.14E+01	1.28E+01	1.28E+01	1.18E+01	0.00E+00
TEENAGE	MEAT ING	6.09E-01	9.96E+00	1.59E+00	1.59E+00	1.38E+00	0.00E+00
TEENAGE	MILK ING	1.18E+00	2.48E+01	1.57E+00	1.57E+00	1.97E+00	0.00E+00
TEENAGE	TOTALS	3.45E+01	2.69E+02	1.08E+02	2.24E+01	2.02E+01	1.46E+02
ADULT	INHAL.	2.37E+01	1.33E+02	7.53E+01	4.45E+00	3.16E+00	1.45E+02
ADULT	GROUND	9.32E-01	9.32E-01	9.32E-01	9.32E-01	9.32E-01	9.32E-01
ADULT	CLOUD	4.90E-02	4.90E-02	4.90E-02	4.90E-02	4.90E-02	4.90E-02
ADULT	VEG. ING	3.14E+00	3.83E+01	8.36E+00	8.36E+00	7.42E+00	0.00E+00
ADULT	MEAT ING	4.43E-01	5.45E+00	1.31E+00	1.31E+00	1.11E+00	0.00E+00
ADULT	MILK ING	2.25E-01	3.40E+00	3.89E-01	3.89E-01	4.52E-01	0.00E+00
ADULT	TOTALS	2.85E+01	1.81E+02	8.64E+01	1.55E+01	1.31E+01	1.46E+02



NUMBER 14 NAME-Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.06E+01	4.78E+01	1.36E+02	9.70E+00	7.68E+00	0.00E+00
INFANT	GROUND	8.30E-03	8.30E-03	8.30E-03	8.30E-03	8.30E-03	8.30E-03
INFANT	CLOUD	3.44E-07	3.44E-07	3.44E-07	3.44E-07	3.44E-07	3.44E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.54E+00	8.30E+00	3.42E+00	3.42E+00	5.60E+00	0.00E+00
INFANT	TOTALS	2.31E+01	5.61E+01	1.40E+02	1.31E+01	1.33E+01	8.30E-03
CHILD	INHAL.	9.70E+00	4.03E+01	6.31E+01	3.91E+00	2.63E+00	0.00E+00
CHILD	GROUND	8.30E-03	8.30E-03	8.30E-03	8.30E-03	8.30E-03	8.30E-03
CHILD	CLOUD	3.44E-07	3.44E-07	3.44E-07	3.44E-07	3.44E-07	3.44E-07
CHILD	VEG. ING	1.09E+00	5.48E+00	4.55E+00	4.55E+00	3.73E+00	0.00E+00
CHILD	MEAT ING	1.23E-01	6.14E-01	5.73E-01	5.73E-01	4.44E-01	0.00E+00
CHILD	MILK ING	2.81E-01	1.81E+00	7.74E-01	7.74E-01	8.84E-01	0.00E+00
CHILD	TOTALS	1.12E+01	4.83E+01	6.90E+01	9.82E+00	7.69E+00	8.30E-03
TEENAGE	INHAL.	5.96E+00	4.48E+01	3.26E+01	1.71E+00	1.32E+00	0.00E+00
TEENAGE	GROUND	8.30E-03	8.30E-03	8.30E-03	8.30E-03	8.30E-03	8.30E-03
TEENAGE	CLOUD	3.44E-07	3.44E-07	3.44E-07	3.44E-07	3.44E-07	3.44E-07
TEENAGE	VEG. ING	1.77E+00	2.94E+01	4.06E+00	4.06E+00	3.81E+00	0.00E+00
TEENAGE	MEAT ING	1.94E-01	3.18E+00	5.02E-01	5.02E-01	4.43E-01	0.00E+00
TEENAGE	MILK ING	3.84E-01	8.11E+00	4.97E-01	4.97E-01	6.75E-01	0.00E+00
TEENAGE	TOTALS	8.32E+00	8.55E+01	3.77E+01	6.77E+00	6.26E+00	8.30E-03
ADULT	INHAL.	5.10E+00	4.20E+01	2.69E+01	1.41E+00	1.01E+00	0.00E+00
ADULT	GROUND	8.30E-03	8.30E-03	8.30E-03	8.30E-03	8.30E-03	8.30E-03
ADULT	CLOUD	3.44E-07	3.44E-07	3.44E-07	3.44E-07	3.44E-07	3.44E-07
ADULT	VEG. ING	1.00E+00	1.23E+01	2.65E+00	2.65E+00	2.40E+00	0.00E+00
ADULT	MEAT ING	1.41E-01	1.74E+00	4.14E-01	4.14E-01	3.56E-01	0.00E+00
ADULT	MILK ING	7.32E-02	1.10E+00	1.23E-01	1.23E-01	1.54E-01	0.00E+00
ADULT	TOTALS	6.33E+00	5.71E+01	3.01E+01	4.60E+00	3.92E+00	8.30E-03

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.33E+01	4.78E+01	1.36E+02	9.72E+00	7.69E+00	4.44E+01
INFANT	GROUND	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01
INFANT	CLOUD	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.54E+00	8.30E+00	3.43E+00	3.43E+00	5.60E+00	0.00E+00
INFANT	TOTALS	2.62E+01	5.65E+01	1.40E+02	1.35E+01	1.37E+01	4.48E+01
CHILD	INHAL.	1.24E+01	4.03E+01	6.31E+01	3.92E+00	2.63E+00	4.44E+01
CHILD	GROUND	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01
CHILD	CLOUD	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02
CHILD	VEG. ING	1.09E+00	5.48E+00	4.55E+00	4.55E+00	3.73E+00	0.00E+00
CHILD	MEAT ING	1.23E-01	6.14E-01	5.74E-01	5.74E-01	4.44E-01	0.00E+00
CHILD	MILK ING	2.81E-01	1.81E+00	7.75E-01	7.75E-01	8.85E-01	0.00E+00
CHILD	TOTALS	1.42E+01	4.86E+01	6.94E+01	1.02E+01	8.07E+00	4.48E+01
TEENAGE	INHAL.	8.63E+00	4.48E+01	3.26E+01	1.71E+00	1.32E+00	4.44E+01
TEENAGE	GROUND	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01
TEENAGE	CLOUD	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02
TEENAGE	VEG. ING	1.77E+00	2.94E+01	4.06E+00	4.06E+00	3.82E+00	0.00E+00
TEENAGE	MEAT ING	1.94E-01	3.18E+00	5.02E-01	5.02E-01	4.43E-01	0.00E+00
TEENAGE	MILK ING	3.84E-01	8.11E+00	4.98E-01	4.98E-01	6.76E-01	0.00E+00
TEENAGE	TOTALS	1.14E+01	8.59E+01	3.81E+01	7.15E+00	6.63E+00	4.48E+01
ADULT	INHAL.	7.77E+00	4.20E+01	2.69E+01	1.41E+00	1.01E+00	4.44E+01
ADULT	GROUND	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01
ADULT	CLOUD	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02
ADULT	VEG. ING	1.00E+00	1.23E+01	2.65E+00	2.65E+00	2.40E+00	0.00E+00
ADULT	MEAT ING	1.41E-01	1.74E+00	4.15E-01	4.15E-01	3.56E-01	0.00E+00
ADULT	MILK ING	7.33E-02	1.10E+00	1.23E-01	1.23E-01	1.54E-01	0.00E+00
ADULT	TOTALS	9.37E+00	5.75E+01	3.05E+01	4.98E+00	4.30E+00	4.48E+01



TIME STEP NUMBER 2, #NWARA

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.297E-03	1.407E-02	1.407E-02	1.404E-02	1.540E+02	1.415E+02	5.862E+01	2.310E+01	1.591E-05	5.292E-04
2.5	2.507E-03	5.595E-03	5.595E-03	5.582E-03	7.359E+01	7.022E+01	3.827E+01	2.122E+01	2.604E-05	3.455E-04
3.5	1.326E-03	2.864E-03	2.864E-03	2.857E-03	4.355E+01	4.247E+01	2.729E+01	1.846E+01	3.578E-05	2.509E-04
4.5	8.104E-04	1.703E-03	1.703E-03	1.699E-03	2.926E+01	2.886E+01	2.050E+01	1.549E+01	4.292E-05	1.914E-04
7.5	2.898E-04	6.059E-04	6.059E-04	6.045E-04	1.412E+01	1.408E+01	1.156E+01	9.893E+00	5.625E-05	1.100E-04
15.0	7.068E-05	1.474E-04	1.474E-04	1.471E-04	5.191E+00	5.193E+00	4.810E+00	4.426E+00	6.006E-05	4.625E-05
25.0	2.579E-05	5.373E-05	5.373E-05	5.360E-05	2.504E+00	2.506E+00	2.440E+00	2.348E+00	5.661E-05	2.371E-05
35.0	1.372E-05	2.858E-05	2.858E-05	2.852E-05	1.567E+00	1.568E+00	1.553E+00	1.526E+00	5.370E-05	1.518E-05
45.0	8.553E-06	1.782E-05	1.782E-05	1.778E-05	1.100E+00	1.101E+00	1.099E+00	1.090E+00	5.101E-05	1.077E-05
55.0	5.852E-06	1.220E-05	1.220E-05	1.217E-05	8.271E-01	8.276E-01	8.287E-01	8.261E-01	4.863E-05	8.135E-06
65.0	4.259E-06	8.882E-06	8.881E-06	8.861E-06	6.502E-01	6.506E-01	6.526E-01	6.524E-01	4.653E-05	6.412E-06
75.0	3.239E-06	6.759E-06	6.759E-06	6.743E-06	5.277E-01	5.280E-01	5.302E-01	5.309E-01	4.467E-05	5.212E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	6.795E+03	1.209E+04	1.208E+04	1.208E+04	0.000E+00	1.219E+04	1.219E+04	1.219E+04	5.561E+00
2.5	2.706E+03	4.810E+03	4.805E+03	4.805E+03	0.000E+00	4.860E+03	4.860E+03	4.860E+03	9.152E+00
3.5	1.434E+03	2.482E+03	2.479E+03	2.479E+03	0.000E+00	2.513E+03	2.513E+03	2.513E+03	1.259E+01
4.5	8.780E+02	1.486E+03	1.485E+03	1.485E+03	0.000E+00	1.508E+03	1.508E+03	1.508E+03	1.510E+01
7.5	3.140E+02	5.294E+02	5.289E+02	5.289E+02	0.000E+00	5.400E+02	5.400E+02	5.400E+02	1.981E+01
15.0	7.662E+01	1.289E+02	1.288E+02	1.288E+02	0.000E+00	1.329E+02	1.329E+02	1.329E+02	2.130E+01
25.0	2.796E+01	4.700E+01	4.695E+01	4.695E+01	0.000E+00	4.893E+01	4.893E+01	4.893E+01	2.023E+01
35.0	1.487E+01	2.500E+01	2.497E+01	2.497E+01	0.000E+00	2.621E+01	2.621E+01	2.621E+01	1.929E+01
45.0	9.271E+00	1.559E+01	1.557E+01	1.557E+01	0.000E+00	1.644E+01	1.644E+01	1.644E+01	1.840E+01
55.0	6.343E+00	1.067E+01	1.066E+01	1.066E+01	0.000E+00	1.131E+01	1.131E+01	1.131E+01	1.759E+01
65.0	4.616E+00	7.766E+00	7.758E+00	7.758E+00	0.000E+00	8.273E+00	8.273E+00	8.273E+00	1.687E+01
75.0	3.511E+00	5.909E+00	5.903E+00	5.903E+00	0.000E+00	6.321E+00	6.321E+00	6.321E+00	1.622E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.297E-05	1.407E-04	1.407E-04	1.404E-04
2.5	2.507E-05	5.595E-05	5.595E-05	5.590E-05
3.5	1.326E-05	2.864E-05	2.864E-05	2.868E-05
4.5	8.104E-06	1.703E-05	1.703E-05	1.712E-05
7.5	2.898E-06	6.059E-06	6.059E-06	6.213E-06
15.0	7.068E-07	1.474E-06	1.474E-06	1.651E-06
25.0	2.579E-07	5.373E-07	5.373E-07	7.059E-07
35.0	1.372E-07	2.858E-07	2.858E-07	4.463E-07
45.0	8.553E-08	1.782E-07	1.782E-07	3.308E-07
55.0	5.852E-08	1.220E-07	1.220E-07	2.676E-07
65.0	4.259E-08	8.882E-08	8.881E-08	2.282E-07
75.0	3.239E-08	6.759E-08	6.759E-08	2.014E-07

TIME STEP NUMBER 2, #NWARA

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.088E-03	2.694E-02	2.694E-02	2.688E-02	3.123E+02	2.218E+02	3.914E+01	6.800E+00	1.837E-06	4.523E-04
2.5	2.933E-03	1.011E-02	1.011E-02	1.009E-02	1.359E+02	1.191E+02	4.529E+01	1.812E+01	1.344E-05	4.199E-04
3.5	1.537E-03	4.349E-03	4.349E-03	4.339E-03	6.439E+01	6.038E+01	3.084E+01	1.758E+01	2.467E-05	2.841E-04
4.5	9.544E-04	2.498E-03	2.498E-03	2.492E-03	4.076E+01	3.937E+01	2.344E+01	1.578E+01	3.412E-05	2.182E-04
7.5	3.565E-04	8.379E-04	8.379E-04	8.359E-04	1.697E+01	1.685E+01	1.237E+01	9.854E+00	4.780E-05	1.168E-04
15.0	9.310E-05	2.046E-04	2.046E-04	2.041E-04	5.659E+00	5.660E+00	4.967E+00	4.357E+00	5.139E-05	4.726E-05
25.0	3.515E-05	7.547E-05	7.547E-05	7.529E-05	2.632E+00	2.634E+00	2.501E+00	2.340E+00	4.836E-05	2.412E-05
35.0	1.879E-05	3.997E-05	3.997E-05	3.988E-05	1.618E+00	1.619E+00	1.583E+00	1.528E+00	4.584E-05	1.539E-05
45.0	1.173E-05	2.491E-05	2.491E-05	2.485E-05	1.132E+00	1.132E+00	1.121E+00	1.100E+00	4.376E-05	1.095E-05
55.0	8.035E-06	1.709E-05	1.709E-05	1.705E-05	8.529E-01	8.534E-01	8.507E-01	8.418E-01	4.206E-05	8.332E-06
65.0	5.851E-06	1.246E-05	1.246E-05	1.243E-05	6.720E-01	6.724E-01	6.726E-01	6.691E-01	4.047E-05	6.598E-06
75.0	4.452E-06	9.493E-06	9.493E-06	9.471E-06	5.464E-01	5.467E-01	5.480E-01	5.469E-01	3.900E-05	5.381E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	7.283E+03	2.081E+04	2.079E+04	2.079E+04	0.000E+00	2.097E+04	2.097E+04	2.097E+04	6.793E-01	
2.5	3.048E+03	7.940E+03	7.933E+03	7.933E+03	0.000E+00	8.027E+03	8.027E+03	8.027E+03	4.757E+00	
3.5	1.628E+03	3.545E+03	3.541E+03	3.541E+03	0.000E+00	3.589E+03	3.589E+03	3.589E+03	8.694E+00	
4.5	1.018E+03	2.070E+03	2.068E+03	2.068E+03	0.000E+00	2.099E+03	2.099E+03	2.099E+03	1.200E+01	
7.5	3.833E+02	7.113E+02	7.106E+02	7.106E+02	0.000E+00	7.239E+02	7.239E+02	7.239E+02	1.682E+01	
15.0	1.006E+02	1.765E+02	1.764E+02	1.764E+02	0.000E+00	1.808E+02	1.808E+02	1.808E+02	1.822E+01	
25.0	3.803E+01	6.551E+01	6.544E+01	6.544E+01	0.000E+00	6.752E+01	6.752E+01	6.752E+01	1.729E+01	
35.0	2.034E+01	3.478E+01	3.474E+01	3.474E+01	0.000E+00	3.602E+01	3.602E+01	3.602E+01	1.648E+01	
45.0	1.270E+01	2.168E+01	2.166E+01	2.166E+01	0.000E+00	2.255E+01	2.255E+01	2.255E+01	1.579E+01	
55.0	8.699E+00	1.487E+01	1.485E+01	1.485E+01	0.000E+00	1.553E+01	1.553E+01	1.553E+01	1.522E+01	
65.0	6.334E+00	1.084E+01	1.083E+01	1.083E+01	0.000E+00	1.136E+01	1.136E+01	1.136E+01	1.467E+01	
75.0	4.819E+00	8.254E+00	8.245E+00	8.245E+00	0.000E+00	8.678E+00	8.678E+00	8.678E+00	1.416E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.088E-05	2.694E-04	2.694E-04	2.688E-04
2.5	2.933E-05	1.011E-04	1.011E-04	1.009E-04
3.5	1.537E-05	4.349E-05	4.349E-05	4.347E-05
4.5	9.544E-06	2.498E-05	2.498E-05	2.502E-05
7.5	3.565E-06	8.379E-06	8.379E-06	8.503E-06
15.0	9.310E-07	2.046E-06	2.046E-06	2.195E-06
25.0	3.515E-07	7.547E-07	7.547E-07	8.980E-07
35.0	1.879E-07	3.997E-07	3.997E-07	5.363E-07
45.0	1.173E-07	2.491E-07	2.491E-07	3.798E-07
55.0	8.035E-08	1.709E-07	1.709E-07	2.966E-07
65.0	5.851E-08	1.246E-07	1.246E-07	2.457E-07
75.0	4.452E-08	9.493E-08	9.493E-08	2.117E-07

TIME STEP NUMBER 2, #NWARA

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.556E-03	8.013E-03	8.012E-03	7.994E-03	7.362E+01	4.854E+01	9.003E+00	1.869E+00	6.565E-07	1.026E-04
2.5	1.728E-03	5.119E-03	5.118E-03	5.106E-03	6.420E+01	5.454E+01	1.972E+01	8.123E+00	6.498E-06	1.865E-04
3.5	9.462E-04	2.482E-03	2.482E-03	2.476E-03	3.472E+01	3.223E+01	1.574E+01	8.968E+00	1.305E-05	1.464E-04
4.5	5.958E-04	1.481E-03	1.481E-03	1.477E-03	2.303E+01	2.217E+01	1.276E+01	8.529E+00	1.892E-05	1.193E-04
7.5	2.249E-04	5.177E-04	5.177E-04	5.165E-04	1.027E+01	1.020E+01	7.420E+00	5.877E+00	2.888E-05	7.005E-05
15.0	5.866E-05	1.284E-04	1.284E-04	1.281E-04	3.627E+00	3.629E+00	3.204E+00	2.818E+00	3.370E-05	3.049E-05
25.0	2.206E-05	4.742E-05	4.742E-05	4.731E-05	1.730E+00	1.732E+00	1.654E+00	1.556E+00	3.290E-05	1.597E-05
35.0	1.179E-05	2.512E-05	2.512E-05	2.506E-05	1.075E+00	1.076E+00	1.056E+00	1.024E+00	3.163E-05	1.028E-05
45.0	7.362E-06	1.560E-05	1.560E-05	1.557E-05	7.522E-01	7.527E-01	7.478E-01	7.362E-01	3.027E-05	7.313E-06
55.0	5.041E-06	1.069E-05	1.069E-05	1.066E-05	5.665E-01	5.669E-01	5.663E-01	5.621E-01	2.908E-05	5.551E-06
65.0	3.671E-06	7.799E-06	7.798E-06	7.780E-06	4.468E-01	4.471E-01	4.479E-01	4.465E-01	2.801E-05	4.397E-06
75.0	2.793E-06	5.944E-06	5.943E-06	5.930E-06	3.635E-01	3.638E-01	3.649E-01	3.648E-01	2.701E-05	3.586E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	3.835E+03	6.872E+03	6.864E+03	6.864E+03	0.000E+00	6.903E+03	6.903E+03	6.903E+03	2.533E-01
2.5	1.823E+03	4.134E+03	4.129E+03	4.129E+03	0.000E+00	4.173E+03	4.173E+03	4.173E+03	2.309E+00
3.5	1.009E+03	2.055E+03	2.053E+03	2.053E+03	0.000E+00	2.079E+03	2.079E+03	2.079E+03	4.602E+00
4.5	6.381E+02	1.241E+03	1.240E+03	1.240E+03	0.000E+00	1.257E+03	1.257E+03	1.257E+03	6.652E+00
7.5	2.422E+02	4.417E+02	4.413E+02	4.413E+02	0.000E+00	4.493E+02	4.493E+02	4.493E+02	1.015E+01
15.0	6.339E+01	1.109E+02	1.108E+02	1.108E+02	0.000E+00	1.137E+02	1.137E+02	1.137E+02	1.194E+01
25.0	2.387E+01	4.115E+01	4.110E+01	4.110E+01	0.000E+00	4.247E+01	4.247E+01	4.247E+01	1.175E+01
35.0	1.277E+01	2.185E+01	2.182E+01	2.182E+01	0.000E+00	2.267E+01	2.267E+01	2.267E+01	1.135E+01
45.0	7.972E+00	1.359E+01	1.357E+01	1.357E+01	0.000E+00	1.417E+01	1.417E+01	1.417E+01	1.091E+01
55.0	5.459E+00	9.307E+00	9.297E+00	9.297E+00	0.000E+00	9.746E+00	9.746E+00	9.746E+00	1.051E+01
65.0	3.975E+00	6.787E+00	6.780E+00	6.780E+00	0.000E+00	7.134E+00	7.134E+00	7.134E+00	1.014E+01
75.0	3.024E+00	5.171E+00	5.165E+00	5.165E+00	0.000E+00	5.453E+00	5.453E+00	5.453E+00	9.796E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.556E-05	8.013E-05	8.012E-05	7.994E-05
2.5	1.728E-05	5.119E-05	5.118E-05	5.108E-05
3.5	9.462E-06	2.482E-05	2.482E-05	2.480E-05
4.5	5.958E-06	1.481E-05	1.481E-05	1.483E-05
7.5	2.249E-06	5.177E-06	5.177E-06	5.252E-06
15.0	5.866E-07	1.284E-06	1.284E-06	1.382E-06
25.0	2.206E-07	4.742E-07	4.742E-07	5.718E-07
35.0	1.179E-07	2.512E-07	2.512E-07	3.455E-07
45.0	7.362E-08	1.560E-07	1.560E-07	2.465E-07
55.0	5.041E-08	1.069E-07	1.069E-07	1.939E-07
65.0	3.671E-08	7.799E-08	7.798E-08	1.618E-07
75.0	2.793E-08	5.944E-08	5.943E-08	1.403E-07

TIME STEP NUMBER 2, 4NWAREA

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE 5 DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.204E-04	2.530E-03	2.530E-03	2.524E-03	4.009E+01	3.843E+01	2.005E+01	1.082E+01	1.311E-05	1.816E-04
2.5	3.129E-04	9.950E-04	9.949E-04	9.926E-04	1.831E+01	1.796E+01	1.148E+01	7.649E+00	1.468E-05	1.052E-04
3.5	1.647E-04	4.930E-04	4.929E-04	4.918E-04	1.047E+01	1.037E+01	7.492E+00	5.637E+00	1.550E-05	6.970E-05
4.5	9.889E-05	2.958E-04	2.958E-04	2.951E-04	7.240E+00	7.206E+00	5.606E+00	4.521E+00	1.630E-05	5.271E-05
7.5	3.173E-05	9.374E-05	9.373E-05	9.352E-05	3.243E+00	3.241E+00	2.832E+00	2.506E+00	1.686E-05	2.704E-05
15.0	6.031E-06	1.697E-05	1.697E-05	1.693E-05	1.040E+00	1.040E+00	9.987E-01	9.491E-01	1.457E-05	9.675E-06
25.0	1.833E-06	4.706E-06	4.706E-06	4.695E-06	4.535E-01	4.537E-01	4.496E-01	4.423E-01	1.232E-05	4.397E-06
35.0	8.767E-07	2.083E-06	2.083E-06	2.078E-06	2.664E-01	2.666E-01	2.665E-01	2.652E-01	1.099E-05	2.615E-06
45.0	5.073E-07	1.137E-06	1.137E-06	1.134E-06	1.796E-01	1.797E-01	1.802E-01	1.801E-01	1.004E-05	1.771E-06
55.0	3.273E-07	7.022E-07	7.021E-07	7.005E-07	1.311E-01	1.312E-01	1.317E-01	1.319E-01	9.327E-06	1.295E-06
65.0	2.270E-07	4.707E-07	4.707E-07	4.696E-07	1.008E-01	1.008E-01	1.013E-01	1.016E-01	8.755E-06	9.963E-07
75.0	1.658E-07	3.359E-07	3.359E-07	3.351E-07	8.053E-02	8.058E-02	8.097E-02	8.123E-02	8.297E-06	7.965E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	7.471E+02	1.980E+03	1.978E+03	1.978E+03	0.000E+00	2.008E+03	2.008E+03	2.008E+03	4.540E+00
2.5	3.279E+02	7.927E+02	7.919E+02	7.919E+02	0.000E+00	8.061E+02	8.061E+02	8.061E+02	5.097E+00
3.5	1.736E+02	3.973E+02	3.969E+02	3.969E+02	0.000E+00	4.051E+02	4.051E+02	4.051E+02	5.389E+00
4.5	1.042E+02	2.384E+02	2.382E+02	2.382E+02	0.000E+00	2.439E+02	2.439E+02	2.439E+02	5.743E+00
7.5	3.349E+01	7.574E+01	7.566E+01	7.566E+01	0.000E+00	7.823E+01	7.823E+01	7.823E+01	5.887E+00
15.0	6.393E+00	1.385E+01	1.383E+01	1.383E+01	0.000E+00	1.466E+01	1.466E+01	1.466E+01	5.128E+00
25.0	1.958E+00	3.916E+00	3.912E+00	3.912E+00	0.000E+00	4.271E+00	4.271E+00	4.271E+00	4.376E+00
35.0	9.420E-01	1.764E+00	1.762E+00	1.762E+00	0.000E+00	1.973E+00	1.973E+00	1.973E+00	3.927E+00
45.0	5.473E-01	9.762E-01	9.752E-01	9.752E-01	0.000E+00	1.117E+00	1.117E+00	1.117E+00	3.608E+00
55.0	3.542E-01	6.096E-01	6.089E-01	6.089E-01	0.000E+00	7.128E-01	7.128E-01	7.128E-01	3.363E+00
65.0	2.461E-01	4.122E-01	4.117E-01	4.117E-01	0.000E+00	4.916E-01	4.916E-01	4.916E-01	3.166E+00
75.0	1.800E-01	2.959E-01	2.956E-01	2.956E-01	0.000E+00	3.594E-01	3.594E-01	3.594E-01	3.007E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.204E-06	2.530E-05	2.530E-05	2.528E-05
2.5	3.129E-06	9.950E-06	9.949E-06	9.970E-06
3.5	1.647E-06	4.930E-06	4.929E-06	4.965E-06
4.5	9.889E-07	2.958E-06	2.958E-06	3.000E-06
7.5	3.173E-07	9.374E-07	9.373E-07	9.858E-07
15.0	6.031E-08	1.697E-07	1.697E-07	2.130E-07
25.0	1.833E-08	4.706E-08	4.706E-08	8.391E-08
35.0	8.767E-09	2.083E-08	2.083E-08	5.373E-08
45.0	5.073E-09	1.137E-08	1.137E-08	4.147E-08
55.0	3.273E-09	7.022E-09	7.021E-09	3.499E-08
65.0	2.270E-09	4.707E-09	4.707E-09	3.096E-08
75.0	1.658E-09	3.359E-09	3.359E-09	2.824E-08

TIME STEP NUMBER 2, 4NWARA

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.178E-03	4.777E-03	4.777E-03	4.766E-03	4.413E+01	4.255E+01	2.567E+01	1.561E+01	2.272E-05	2.322E-04
2.5	1.438E-03	2.294E-03	2.293E-03	2.288E-03	2.829E+01	2.785E+01	1.961E+01	1.421E+01	3.194E-05	1.811E-04
3.5	7.909E-04	1.311E-03	1.311E-03	1.307E-03	1.998E+01	1.983E+01	1.527E+01	1.218E+01	3.846E-05	1.433E-04
4.5	4.899E-04	8.340E-04	8.340E-04	8.320E-04	1.508E+01	1.502E+01	1.223E+01	1.030E+01	4.284E-05	1.159E-04
7.5	1.733E-04	3.107E-04	3.107E-04	3.100E-04	8.143E+00	8.141E+00	7.228E+00	6.514E+00	4.865E-05	6.933E-05
15.0	4.006E-05	7.665E-05	7.665E-05	7.647E-05	3.339E+00	3.341E+00	3.202E+00	3.038E+00	4.901E-05	3.101E-05
25.0	1.410E-05	2.796E-05	2.796E-05	2.790E-05	1.698E+00	1.699E+00	1.679E+00	1.644E+00	4.596E-05	1.639E-05
35.0	7.450E-06	1.495E-05	1.495E-05	1.492E-05	1.086E+00	1.087E+00	1.085E+00	1.076E+00	4.352E-05	1.063E-05
45.0	4.625E-06	9.344E-06	9.344E-06	9.322E-06	7.724E-01	7.729E-01	7.744E-01	7.727E-01	4.132E-05	7.604E-06
55.0	3.152E-06	6.425E-06	6.424E-06	6.410E-06	5.894E-01	5.897E-01	5.919E-01	5.922E-01	3.965E-05	5.817E-06
65.0	2.283E-06	4.686E-06	4.686E-06	4.675E-06	4.684E-01	4.687E-01	4.708E-01	4.718E-01	3.815E-05	4.629E-06
75.0	1.726E-06	3.562E-06	3.562E-06	3.554E-06	3.831E-01	3.833E-01	3.851E-01	3.862E-01	3.677E-05	3.788E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Pb-210	
1.5	3.506E+03	4.595E+03	4.590E+03	4.590E+03	0.000E+00	4.623E+03	4.623E+03	4.623E+03	7.910E+00
2.5	1.582E+03	2.165E+03	2.162E+03	2.162E+03	0.000E+00	2.184E+03	2.184E+03	2.184E+03	1.117E+01
3.5	8.684E+02	1.223E+03	1.221E+03	1.221E+03	0.000E+00	1.237E+03	1.237E+03	1.237E+03	1.347E+01
4.5	5.373E+02	7.717E+02	7.708E+02	7.708E+02	0.000E+00	7.827E+02	7.827E+02	7.827E+02	1.502E+01
7.5	1.895E+02	2.831E+02	2.828E+02	2.828E+02	0.000E+00	2.893E+02	2.893E+02	2.893E+02	1.711E+01
15.0	4.365E+01	6.859E+01	6.851E+01	6.851E+01	0.000E+00	7.116E+01	7.116E+01	7.116E+01	1.737E+01
25.0	1.533E+01	2.478E+01	2.475E+01	2.475E+01	0.000E+00	2.609E+01	2.609E+01	2.609E+01	1.641E+01
35.0	8.094E+00	1.321E+01	1.319E+01	1.319E+01	0.000E+00	1.405E+01	1.405E+01	1.405E+01	1.562E+01
45.0	5.023E+00	8.239E+00	8.230E+00	8.230E+00	0.000E+00	8.842E+00	8.842E+00	8.842E+00	1.489E+01
55.0	3.421E+00	5.651E+00	5.645E+00	5.645E+00	0.000E+00	6.112E+00	6.112E+00	6.112E+00	1.433E+01
65.0	2.477E+00	4.114E+00	4.110E+00	4.110E+00	0.000E+00	4.481E+00	4.481E+00	4.481E+00	1.381E+01
75.0	1.872E+00	3.123E+00	3.120E+00	3.120E+00	0.000E+00	3.424E+00	3.424E+00	3.424E+00	1.333E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.178E-05	4.777E-05	4.777E-05	4.772E-05
2.5	1.438E-05	2.294E-05	2.293E-05	2.298E-05
3.5	7.909E-06	1.311E-05	1.311E-05	1.319E-05
4.5	4.899E-06	8.340E-06	8.340E-06	8.449E-06
7.5	1.733E-06	3.107E-06	3.107E-06	3.246E-06
15.0	4.006E-07	7.665E-07	7.665E-07	9.118E-07
25.0	1.410E-07	2.796E-07	2.796E-07	4.168E-07
35.0	7.450E-08	1.495E-07	1.495E-07	2.797E-07
45.0	4.625E-08	9.344E-08	9.344E-08	2.172E-07
55.0	3.152E-08	6.425E-08	6.424E-08	1.831E-07
65.0	2.283E-08	4.686E-08	4.686E-08	1.612E-07
75.0	1.726E-08	3.562E-08	3.562E-08	1.458E-07

TIME STEP NUMBER 2, 4NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.661E-02	9.292E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.740E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.185E-01	4.955E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.843E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.533E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.736E-04	1.000E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.110E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.060E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.553E-01 PERSON-REM/YR

TIME STEP NUMBER 2, 4NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.984E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.517E-01	8.459E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.250E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.076E+00	4.488E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.524E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.857E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.342E-03	8.904E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.875E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.641E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.409E+00 PERSON-REM/YR

TIME STEP NUMBER 2, #NWARA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.215E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.77E-02	4.247E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.670E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.345E-01	2.186E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.730E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.300E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.635E-03	4.164E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.389E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.695E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.978E-01 PERSON-REM/YR





TIME STEP NUMBER 2, &NWARA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.353E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.855E-01	2.971E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.779E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.347E+00	1.453E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.452E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.680E-02	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.762E-02	5.102E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.101E-01	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.797E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.669E+00 PERSON-REM/YR

TIME STEP NUMBER 2, &NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.872E-04	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.594E-03	8.751E-05	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.494E-05	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.097E-02	4.504E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.344E-05	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.423E-05	8.820E-06	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.795E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.574E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.436E-02 PERSON-REM/YR

TIME STEP NUMBER 2. 4NWARA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.810E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.033E-03	2.535E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.487E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.893E-02	1.267E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.223E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.991E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.537E-04	4.480E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.703E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.574E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.028E-02 PERSON-REM/YR

TIME STEP NUMBER 2, &NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHC 75.0
N	2.490E-02	1.652E-02	1.186E-02	9.110E-03	2.743E-02	2.856E-02	1.968E-02	1.687E-02	1.564E-02	1.511E-02	1.495E-02	1.498E-02
NNE	3.302E-02	2.359E-02	1.462E-02	1.110E-02	3.177E-02	3.223E-02	2.166E-02	1.796E-02	1.616E-02	1.522E-02	1.478E-02	1.464E-02
NE	4.694E-02	2.945E-02	1.783E-02	1.323E-02	3.748E-02	3.828E-02	2.553E-02	2.083E-02	1.853E-02	1.731E-02	1.663E-02	1.626E-02
ENE	4.059E-02	2.969E-02	1.781E-02	1.253E-02	3.301E-02	3.193E-02	2.123E-02	1.760E-02	1.582E-02	1.486E-02	1.435E-02	1.409E-02
E	1.417E-02	1.496E-02	1.020E-02	7.851E-03	2.317E-02	2.408E-02	1.621E-02	1.335E-02	1.195E-02	1.124E-02	1.088E-02	1.070E-02
ESE	5.747E-03	5.679E-03	5.010E-03	4.275E-03	1.480E-02	1.758E-02	1.229E-02	1.003E-02	8.798E-03	8.048E-03	7.569E-03	7.265E-03
SE	3.543E-03	1.722E-03	1.361E-03	1.186E-03	4.419E-03	5.574E-03	4.042E-03	3.368E-03	3.005E-03	2.791E-03	2.662E-03	2.584E-03
SSE	2.626E-03	1.498E-03	5.490E-04	4.015E-04	1.024E-03	9.176E-04	6.043E-04	4.965E-04	4.393E-04	4.037E-04	3.795E-04	3.621E-04
S	4.420E-03	2.912E-03	2.030E-03	1.575E-03	4.279E-03	3.565E-03	2.208E-03	1.889E-03	1.816E-03	1.833E-03	1.890E-03	1.968E-03
SSW	6.975E-03	5.575E-03	4.560E-03	3.803E-03	1.241E-02	1.350E-02	9.150E-03	7.598E-03	6.901E-03	6.587E-03	6.513E-03	6.565E-03
SW	8.505E-03	7.100E-03	5.883E-03	4.974E-03	1.679E-02	1.906E-02	1.322E-02	1.110E-02	1.019E-02	9.811E-03	9.705E-03	9.749E-03
WSW	8.349E-03	6.648E-03	5.305E-03	4.349E-03	1.375E-02	1.471E-02	1.051E-02	9.367E-03	8.967E-03	8.894E-03	8.989E-03	9.174E-03
W	8.608E-03	6.884E-03	5.512E-03	4.527E-03	1.436E-02	1.561E-02	1.137E-02	1.028E-02	9.968E-03	1.004E-02	1.026E-02	1.056E-02
WNW	1.184E-02	9.064E-03	7.285E-03	5.992E-03	1.897E-02	2.040E-02	1.464E-02	1.314E-02	1.272E-02	1.275E-02	1.302E-02	1.346E-02
NW	1.372E-02	1.118E-02	8.443E-03	6.884E-03	2.162E-02	2.307E-02	1.610E-02	1.401E-02	1.316E-02	1.285E-02	1.282E-02	1.295E-02
NNW	1.650E-02	1.272E-02	9.077E-03	7.197E-03	2.192E-02	2.291E-02	1.596E-02	1.382E-02	1.292E-02	1.256E-02	1.247E-02	1.254E-02

TOTAL DOSE COMMITMENT IS 2.310E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 2, #NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.994E-01	1.987E-01	1.427E-01	1.096E-01	3.295E-01	3.410E-01	2.326E-01	1.973E-01	1.813E-01	1.738E-01	1.708E-01	1.703E-01
NNE	3.965E-01	2.831E-01	1.757E-01	1.333E-01	3.815E-01	3.853E-01	2.569E-01	2.111E-01	1.885E-01	1.762E-01	1.700E-01	1.674E-01
NE	5.629E-01	3.533E-01	2.141E-01	1.589E-01	4.501E-01	4.581E-01	3.036E-01	2.458E-01	2.170E-01	2.014E-01	1.922E-01	1.869E-01
ENE	4.867E-01	3.559E-01	2.136E-01	1.504E-01	3.962E-01	3.819E-01	2.521E-01	2.074E-01	1.849E-01	1.725E-01	1.654E-01	1.615E-01
E	1.704E-01	1.796E-01	1.225E-01	9.433E-02	2.783E-01	2.882E-01	1.926E-01	1.573E-01	1.397E-01	1.304E-01	1.254E-01	1.227E-01
ESE	6.938E-02	6.841E-02	6.031E-02	5.145E-02	1.780E-01	2.108E-01	1.466E-01	1.191E-01	1.038E-01	9.441E-02	8.831E-02	8.434E-02
SE	4.258E-02	2.076E-02	1.642E-02	1.430E-02	5.318E-02	6.680E-02	4.813E-02	3.983E-02	3.529E-02	3.256E-02	3.087E-02	2.979E-02
SSE	3.143E-02	1.793E-02	6.577E-03	4.808E-03	1.224E-02	1.088E-02	7.106E-03	5.802E-03	5.107E-03	4.671E-03	4.373E-03	4.157E-03
S	5.302E-02	3.494E-02	2.435E-02	1.889E-02	5.119E-02	4.217E-02	2.562E-02	2.157E-02	2.049E-02	2.052E-02	2.103E-02	2.182E-02
SSW	8.400E-02	6.712E-02	5.488E-02	4.575E-02	1.490E-01	1.612E-01	1.081E-01	8.879E-02	7.984E-02	7.555E-02	7.415E-02	7.429E-02
SW	1.026E-01	8.561E-02	7.090E-02	5.991E-02	2.019E-01	2.277E-01	1.563E-01	1.298E-01	1.180E-01	1.127E-01	1.106E-01	1.105E-01
WSW	1.007E-01	8.012E-02	6.390E-02	5.235E-02	1.652E-01	1.753E-01	1.237E-01	1.089E-01	1.032E-01	1.015E-01	1.019E-01	1.035E-01
W	1.039E-01	8.301E-02	6.642E-02	5.452E-02	1.724E-01	1.858E-01	1.334E-01	1.192E-01	1.144E-01	1.142E-01	1.160E-01	1.188E-01
WNW	1.428E-01	1.093E-01	8.779E-02	7.215E-02	2.279E-01	2.428E-01	1.717E-01	1.521E-01	1.456E-01	1.448E-01	1.469E-01	1.511E-01
NW	1.655E-01	1.347E-01	1.017E-01	8.284E-02	2.596E-01	2.751E-01	1.897E-01	1.633E-01	1.519E-01	1.471E-01	1.458E-01	1.465E-01
NNW	1.987E-01	1.530E-01	1.092E-01	8.655E-02	2.632E-01	2.733E-01	1.883E-01	1.614E-01	1.496E-01	1.442E-01	1.423E-01	1.423E-01

TOTAL DOSE COMMITMENT IS 2.730E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 2, UNWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	9.959E-03	6.608E-03	4.745E-03	3.643E-03	1.099E-02	1.154E-02	8.064E-03	7.003E-03	6.571E-03	6.413E-03	6.396E-03	6.457E-03
NNE	1.325E-02	9.469E-03	5.861E-03	4.447E-03	1.274E-02	1.300E-02	8.831E-03	7.405E-03	6.738E-03	6.407E-03	6.273E-03	6.257E-03
NE	1.889E-02	1.184E-02	7.155E-03	5.303E-03	1.503E-02	1.541E-02	1.038E-02	8.549E-03	7.680E-03	7.243E-03	7.016E-03	6.909E-03
ENE	1.634E-02	1.195E-02	7.155E-03	5.030E-03	1.324E-02	1.286E-02	8.640E-03	7.242E-03	6.576E-03	6.237E-03	6.071E-03	6.005E-03
E	5.668E-03	6.006E-03	4.088E-03	3.146E-03	9.285E-03	9.701E-03	6.595E-03	5.492E-03	4.967E-03	4.716E-03	4.602E-03	4.561E-03
ESE	2.283E-03	2.265E-03	2.001E-03	1.708E-03	5.919E-03	7.057E-03	4.967E-03	4.088E-03	3.612E-03	3.329E-03	3.154E-03	3.047E-03
SE	1.420E-03	6.851E-04	5.415E-04	4.724E-04	1.764E-03	2.239E-03	1.638E-03	1.378E-03	1.241E-03	1.163E-03	1.118E-03	1.093E-03
SSE	1.060E-03	6.048E-04	2.212E-04	1.618E-04	4.139E-04	3.744E-04	2.492E-04	2.065E-04	1.839E-04	1.700E-04	1.607E-04	1.541E-04
S	1.777E-03	1.170E-03	8.155E-04	6.332E-04	1.726E-03	1.460E-03	9.268E-04	8.091E-04	7.890E-04	8.043E-04	8.347E-04	8.736E-04
SSW	2.783E-03	2.225E-03	1.821E-03	1.520E-03	4.971E-03	5.454E-03	3.749E-03	3.158E-03	2.906E-03	2.805E-03	2.799E-03	2.843E-03
SW	3.381E-03	2.826E-03	2.344E-03	1.984E-03	6.716E-03	7.690E-03	5.408E-03	4.606E-03	4.283E-03	4.172E-03	4.164E-03	4.215E-03
WSW	3.323E-03	2.649E-03	2.116E-03	1.736E-03	5.507E-03	5.956E-03	4.330E-03	3.920E-03	3.802E-03	3.811E-03	3.883E-03	3.989E-03
W	3.421E-03	2.740E-03	2.196E-03	1.806E-03	5.749E-03	6.334E-03	4.701E-03	4.320E-03	4.242E-03	4.315E-03	4.447E-03	4.606E-03
WNW	4.709E-03	3.607E-03	2.902E-03	2.390E-03	7.595E-03	8.275E-03	6.058E-03	5.530E-03	5.427E-03	5.500E-03	5.660E-03	5.890E-03
NW	5.460E-03	4.462E-03	3.369E-03	2.750E-03	8.659E-03	9.337E-03	6.618E-03	5.843E-03	5.556E-03	5.482E-03	5.517E-03	5.609E-03
NNW	6.587E-03	5.086E-03	3.629E-03	2.879E-03	8.787E-03	9.266E-03	6.550E-03	5.750E-03	5.440E-03	5.340E-03	5.348E-03	5.415E-03

TOTAL DOSE COMMITMENT IS 9.464E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 2, 4NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.227E-01	8.139E-02	5.844E-02	4.487E-02	1.352E-01	1.411E-01	9.763E-02	8.399E-02	7.816E-02	7.575E-02	7.512E-02	7.547E-02
NNE	1.631E-01	1.165E-01	7.216E-02	5.474E-02	1.567E-01	1.592E-01	1.073E-01	8.924E-02	8.059E-02	7.612E-02	7.409E-02	7.353E-02
NE	2.323E-01	1.457E-01	8.806E-02	6.528E-02	1.848E-01	1.889E-01	1.264E-01	1.034E-01	9.222E-02	8.642E-02	8.323E-02	8.155E-02
ENE	2.010E-01	1.470E-01	8.804E-02	6.190E-02	1.629E-01	1.576E-01	1.051E-01	8.743E-02	7.881E-02	7.425E-02	7.187E-02	7.073E-02
E	6.982E-02	7.392E-02	5.032E-02	3.873E-02	1.142E-01	1.189E-01	8.025E-02	6.631E-02	5.953E-02	5.615E-02	5.448E-02	5.373E-02
ESE	2.816E-02	2.792E-02	2.465E-02	2.104E-02	7.287E-02	8.665E-02	6.070E-02	4.969E-02	4.367E-02	4.003E-02	3.773E-02	3.629E-02
SE	1.748E-02	8.449E-03	6.678E-03	5.824E-03	2.173E-02	2.747E-02	1.998E-02	1.670E-02	1.494E-02	1.392E-02	1.330E-02	1.294E-02
SSE	1.303E-02	7.431E-03	2.718E-03	1.988E-03	5.071E-03	4.550E-03	3.004E-03	2.474E-03	2.193E-03	2.019E-03	1.901E-03	1.817E-03
S	2.187E-02	1.440E-02	1.003E-02	7.784E-03	2.117E-02	1.770E-02	1.104E-02	9.498E-03	9.170E-03	9.284E-03	9.590E-03	1.000E-02
SSW	3.430E-02	2.742E-02	2.244E-02	1.872E-02	6.111E-02	6.667E-02	4.537E-02	3.784E-02	3.451E-02	3.305E-02	3.277E-02	3.313E-02
SW	4.170E-02	3.485E-02	2.889E-02	2.444E-02	8.261E-02	9.405E-02	6.551E-02	5.524E-02	5.091E-02	4.920E-02	4.881E-02	4.915E-02
WSW	4.098E-02	3.265E-02	2.607E-02	2.138E-02	6.769E-02	7.267E-02	5.220E-02	4.675E-02	4.493E-02	4.471E-02	4.530E-02	4.633E-02
W	4.220E-02	3.378E-02	2.707E-02	2.225E-02	7.065E-02	7.717E-02	5.652E-02	5.137E-02	5.000E-02	5.050E-02	5.177E-02	5.338E-02
WNW	5.809E-02	4.448E-02	3.577E-02	2.944E-02	9.335E-02	1.008E-01	7.280E-02	6.568E-02	6.384E-02	6.424E-02	6.575E-02	6.812E-02
NW	6.734E-02	5.499E-02	4.151E-02	3.386E-02	1.064E-01	1.140E-01	7.991E-02	6.983E-02	6.584E-02	6.450E-02	6.454E-02	6.532E-02
NNW	8.118E-02	6.264E-02	4.470E-02	3.545E-02	1.080E-01	1.132E-01	7.919E-02	6.886E-02	6.461E-02	6.299E-02	6.273E-02	6.321E-02

TOTAL DOSE COMMITMENT IS 1.146E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 2, 6NWAREA DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	7.689E-04	5.100E-04	3.673E-04	2.825E-04	8.457E-04	8.571E-04	5.631E-04	4.593E-04	4.067E-04	3.770E-04	3.597E-04	3.495E-04
NNE	9.979E-04	7.097E-04	4.456E-04	3.391E-04	9.725E-04	9.705E-04	6.292E-04	5.009E-04	4.332E-04	3.928E-04	3.684E-04	3.535E-04
NE	1.390E-03	8.774E-04	5.389E-04	4.020E-04	1.146E-03	1.158E-03	7.501E-04	5.910E-04	5.070E-04	4.573E-04	4.251E-04	4.034E-04
ENE	1.198E-03	8.761E-04	5.322E-04	3.776E-04	1.004E-03	9.632E-04	6.205E-04	4.952E-04	4.282E-04	3.878E-04	3.620E-04	3.450E-04
E	4.372E-04	4.508E-04	3.102E-04	2.398E-04	7.098E-04	7.280E-04	4.743E-04	3.761E-04	3.239E-04	2.936E-04	2.746E-04	2.621E-04
ESE	1.865E-04	1.792E-04	1.566E-04	1.334E-04	4.595E-04	5.383E-04	3.678E-04	2.926E-04	2.495E-04	2.220E-04	2.032E-04	1.901E-04
SE	1.082E-04	5.513E-05	4.370E-05	3.788E-05	1.390E-04	1.710E-04	1.201E-04	9.674E-05	8.340E-05	7.494E-05	6.927E-05	6.531E-05
SSE	7.569E-05	4.326E-05	1.618E-05	1.184E-05	3.013E-05	2.636E-05	1.679E-05	1.340E-05	1.156E-05	1.038E-05	9.551E-06	8.936E-06
S	1.315E-04	8.716E-05	6.093E-05	4.718E-05	1.269E-04	1.008E-04	5.710E-05	4.504E-05	4.062E-05	3.913E-05	3.898E-05	3.960E-05
SSW	2.195E-04	1.751E-04	1.426E-04	1.186E-04	3.835E-04	4.058E-04	2.618E-04	2.061E-04	1.778E-04	1.620E-04	1.538E-04	1.497E-04
SW	2.744E-04	2.273E-04	1.873E-04	1.576E-04	5.255E-04	5.775E-04	3.807E-04	3.031E-04	2.642E-04	2.429E-04	2.308E-04	2.241E-04
WSW	2.673E-04	2.114E-04	1.679E-04	1.371E-04	4.282E-04	4.405E-04	2.953E-04	2.477E-04	2.248E-04	2.130E-04	2.073E-04	2.051E-04
W	2.783E-04	2.206E-04	1.756E-04	1.434E-04	4.475E-04	4.640E-04	3.150E-04	2.676E-04	2.459E-04	2.366E-04	2.331E-04	2.327E-04
WNW	3.808E-04	2.906E-04	2.320E-04	1.898E-04	5.917E-04	6.065E-04	4.044E-04	3.394E-04	3.101E-04	2.966E-04	2.914E-04	2.922E-04
NW	4.393E-04	3.522E-04	2.657E-04	2.158E-04	6.700E-04	6.901E-04	4.550E-04	3.749E-04	3.350E-04	3.132E-04	3.012E-04	2.947E-04
NNW	5.176E-04	3.938E-04	2.820E-04	2.233E-04	6.749E-04	6.846E-04	4.535E-04	3.734E-04	3.332E-04	3.107E-04	2.977E-04	2.903E-04

TOTAL DOSE COMMITMENT IS 6.593E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 2, 4NWAREA

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHC 75.0
N	1.036E-02	6.869E-03	4.940E-03	3.794E-03	1.133E-02	1.135E-02	7.294E-03	5.808E-03	5.020E-03	4.547E-03	4.246E-03	4.046E-03
NNE	1.353E-02	9.637E-03	6.024E-03	4.578E-03	1.307E-02	1.290E-02	8.220E-03	6.417E-03	5.436E-03	4.831E-03	4.443E-03	4.186E-03
NE	1.897E-02	1.195E-02	7.306E-03	5.438E-03	1.542E-02	1.544E-02	9.856E-03	7.636E-03	6.435E-03	5.700E-03	5.205E-03	4.856E-03
ENE	1.637E-02	1.197E-02	7.241E-03	5.121E-03	1.354E-02	1.283E-02	8.135E-03	6.375E-03	5.407E-03	4.804E-03	4.402E-03	4.121E-03
E	5.892E-03	6.119E-03	4.197E-03	3.239E-03	9.549E-03	9.703E-03	6.221E-03	4.843E-03	4.091E-03	3.637E-03	3.339E-03	3.130E-03
ESE	2.474E-03	2.398E-03	2.102E-03	1.790E-03	6.162E-03	7.187E-03	4.865E-03	3.826E-03	3.221E-03	2.828E-03	2.554E-03	2.357E-03
SE	1.463E-03	7.343E-04	5.816E-04	5.047E-04	1.855E-03	2.275E-03	1.579E-03	1.254E-03	1.064E-03	9.408E-04	8.555E-04	7.940E-04
SSE	1.042E-03	5.946E-04	2.205E-04	1.610E-04	4.057E-04	3.467E-04	2.157E-04	1.693E-04	1.439E-04	1.275E-04	1.159E-04	1.072E-04
S	1.792E-03	1.184E-03	8.263E-04	6.391E-04	1.710E-03	1.322E-03	7.112E-04	5.320E-04	4.587E-04	4.263E-04	4.131E-04	4.111E-04
SSW	2.939E-03	2.345E-03	1.911E-03	1.589E-03	5.126E-03	5.364E-03	3.386E-03	2.597E-03	2.180E-03	1.935E-03	1.792E-03	1.707E-03
SW	3.646E-03	3.026E-03	2.496E-03	2.101E-03	7.001E-03	7.624E-03	4.925E-03	3.827E-03	3.250E-03	2.913E-03	2.703E-03	2.568E-03
WSW	3.560E-03	2.820E-03	2.241E-03	1.829E-03	5.700E-03	5.786E-03	3.777E-03	3.078E-03	2.714E-03	2.506E-03	2.381E-03	2.307E-03
W	3.696E-03	2.936E-03	2.338E-03	1.911E-03	5.950E-03	6.078E-03	4.005E-03	3.298E-03	2.941E-03	2.754E-03	2.649E-03	2.590E-03
WNW	5.065E-03	3.867E-03	3.091E-03	2.529E-03	7.869E-03	7.944E-03	5.133E-03	4.164E-03	3.684E-03	3.423E-03	3.279E-03	3.27E-03
NW	5.852E-03	4.713E-03	3.553E-03	2.886E-03	8.939E-03	9.090E-03	5.849E-03	4.692E-03	4.083E-03	3.724E-03	3.500E-03	3.356E-03
NNW	6.939E-03	5.298E-03	3.787E-03	2.997E-03	9.034E-03	9.047E-03	5.856E-03	4.703E-03	4.093E-03	3.728E-03	3.496E-03	3.343E-03

TOTAL DOSE COMMITMENT IS 8.557E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 2, 4NWAREA

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 2--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.553E-01	1.409E+00	6.978E-01	1.279E-01	7.138E-02	4.669E+00
GROUND	1.436E-02	1.436E-02	1.436E-02	1.436E-02	1.436E-02	1.436E-02
CLOUD	4.028E-02	4.028E-02	4.028E-02	4.028E-02	4.028E-02	4.028E-02
VEG. ING	1.155E+00	1.365E+01	1.155E+00	3.561E+00	2.994E+00	1.155E+00
MEAT ING	4.019E-02	4.866E-01	4.019E-02	1.299E-01	1.070E-01	4.019E-02
MILK ING	3.465E-02	4.497E-01	3.465E-02	7.157E-02	7.589E-02	3.465E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.440E+00	1.605E+01	1.982E+00	3.945E+00	3.303E+00	5.954E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.155E+00	1.365E+01	1.155E+00	3.560E+00	2.994E+00	1.155E+00
MEAT ING	9.062E-01	1.097E+01	9.062E-01	2.930E+00	2.414E+00	9.062E-01
MILK ING	3.129E-02	4.061E-01	3.129E-02	6.463E-02	6.853E-02	3.129E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.093E+00	2.503E+01	2.093E+00	6.555E+00	5.476E+00	2.093E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.553E-01	1.409E+00	6.978E-01	1.279E-01	7.138E-02	4.669E+00
GROUND	1.436E-02	1.436E-02	1.436E-02	1.436E-02	1.436E-02	1.436E-02
CLOUD	4.028E-02	4.028E-02	4.028E-02	4.028E-02	4.028E-02	4.028E-02
VEG. ING	2.310E+00	2.730E+01	2.310E+00	7.121E+00	5.987E+00	2.310E+00
MEAT ING	9.464E-01	1.146E+01	9.464E-01	3.060E+00	2.521E+00	9.464E-01
MILK ING	6.593E-02	8.557E-01	6.593E-02	1.362E-01	1.444E-01	6.593E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.533E+00	4.108E+01	4.075E+00	1.050E+01	8.778E+00	8.047E+00

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS										
NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3				GROUND CONCENTRATIONS, PCI/M2			
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	1.268E-05	2.787E-05	2.787E-05	2.781E-05	1.369E+01	2.405E+01	2.402E+01	2.402E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.268E-05	2.787E-05	2.787E-05	2.781E-05	1.369E+01	2.405E+01	2.402E+01	2.402E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.032E-01	1.127E-01	1.127E-01	1.125E-01	1.152E+05	1.217E+05	1.216E+05	1.216E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.032E-01	1.127E-01	1.127E-01	1.125E-01	1.152E+05	1.217E+05	1.216E+05	1.216E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	3.261E-03	9.531E-03	9.531E-03	9.509E-03	3.445E+03	7.717E+03	7.710E+03	7.710E+03
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.261E-03	9.531E-03	9.531E-03	9.509E-03	3.445E+03	7.717E+03	7.710E+03	7.710E+03
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.567E-03	7.547E-03	7.547E-03	7.530E-03	2.711E+03	6.104E+03	6.098E+03	6.098E+03
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.567E-03	7.547E-03	7.547E-03	7.530E-03	2.711E+03	6.104E+03	6.098E+03	6.098E+03
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.326E-02	1.881E-02	1.880E-02	1.876E-02	1.466E+04	1.844E+04	1.842E+04	1.842E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.326E-02	1.881E-02	1.880E-02	1.876E-02	1.466E+04	1.844E+04	1.842E+04	1.842E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.267E-02	4.465E-02	4.464E-02	4.454E-02	3.619E+04	4.435E+04	4.429E+04	4.429E+04
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.267E-02	4.465E-02	4.464E-02	4.454E-02	3.619E+04	4.435E+04	4.429E+04	4.429E+04
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.647E-03	1.151E-02	1.151E-02	1.148E-02	3.825E+03	9.182E+03	9.173E+03	9.173E+03
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.647E-03	1.151E-02	1.151E-02	1.148E-02	3.825E+03	9.182E+03	9.173E+03	9.173E+03
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.484E-03	1.393E-02	1.393E-02	1.390E-02	9.320E+03	1.303E+04	1.302E+04	1.302E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			8.484E-03	1.393E-02	1.393E-02	1.390E-02	9.320E+03	1.303E+04	1.302E+04	1.302E+04

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS										
NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3				GROUND CONCENTRATIONS, PCI/M2			
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	2.939E-02	3.588E-02	3.588E-02	3.579E-02	3.269E+04	3.711E+04	3.707E+04	3.707E+04
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.939E-02	3.588E-02	3.588E-02	3.579E-02	3.269E+04	3.711E+04	3.707E+04	3.707E+04
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	2	1.247E-05	2.775E-05	2.775E-05	2.769E-05	1.346E+01	2.387E+01	2.384E+01	2.384E+01
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.247E-05	2.775E-05	2.775E-05	2.769E-05	1.346E+01	2.387E+01	2.384E+01	2.384E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	1.182E-05	2.505E-05	2.505E-05	2.500E-05	1.280E+01	2.182E+01	2.179E+01	2.179E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.182E-05	2.505E-05	2.505E-05	2.500E-05	1.280E+01	2.182E+01	2.179E+01	2.179E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	2.410E-06	5.169E-06	5.169E-06	5.157E-06	2.607E+00	4.487E+00	4.483E+00	4.483E+00
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.410E-06	5.169E-06	5.169E-06	5.157E-06	2.607E+00	4.487E+00	4.483E+00	4.483E+00
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	5.913E-03	2.638E-02	2.638E-02	2.632E-02	5.948E+03	1.989E+04	1.987E+04	1.987E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			5.913E-03	2.638E-02	2.638E-02	2.632E-02	5.948E+03	1.989E+04	1.987E+04	1.987E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.152E-03	6.626E-03	6.626E-03	6.611E-03	2.262E+03	5.311E+03	5.306E+03	5.306E+03
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.152E-03	6.626E-03	6.626E-03	6.611E-03	2.262E+03	5.311E+03	5.306E+03	5.306E+03

NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS							GROUND CONCENTRATIONS, PCI/M2				
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	NL	Po-218	Pb-214	Bi-214	Pb-210
1	1.602E+00	1.603E+00	1.553E+00	1.484E+00	3.690E-05	9.993E-07	7.052E-10	1.506E-05	1.270E+00	1.270E+00	1.270E+00	1.370E+01
2	2.067E+02	1.837E+02	6.083E+01	1.820E+01	8.947E-06	4.839E-09	7.920E-14	5.655E-04	1.455E+02	1.455E+02	1.455E+02	2.956E+00
3	1.030E+02	9.174E+01	3.196E+01	1.068E+01	5.905E-06	3.912E-09	7.450E-14	2.963E-04	7.266E+01	7.266E+01	7.266E+01	2.042E+00
4	8.432E+01	6.416E+01	1.704E+01	5.052E+00	2.567E-06	1.664E-09	3.364E-14	1.713E-04	5.081E+01	5.081E+01	5.081E+01	9.305E-01
5	9.607E+01	8.780E+01	3.562E+01	1.374E+01	9.178E-06	7.236E-09	1.629E-13	3.223E-04	6.954E+01	6.954E+01	6.954E+01	3.74E+00
6	1.995E+02	1.642E+02	4.084E+01	9.272E+00	3.120E-06	1.288E-09	1.553E-14	4.108E-04	1.300E+02	1.300E+02	1.300E+02	1.079E+00
7	1.317E+02	1.152E+02	3.656E+01	1.106E+01	5.372E-06	3.148E-09	5.325E-14	3.453E-04	9.127E+01	9.127E+01	9.127E+01	1.858E+00
8	9.255E+01	8.379E+01	3.208E+01	1.179E+01	7.409E-06	5.529E-09	1.181E-13	2.929E-04	6.636E+01	6.636E+01	6.636E+01	2.562E+00
9	1.234E+02	1.122E+02	4.427E+01	1.613E+01	9.851E-06	7.138E-09	1.482E-13	4.002E-04	8.887E+01	8.887E+01	8.887E+01	3.407E+00
10	1.700E+00	1.701E+00	1.669E+00	1.618E+00	5.122E-05	1.774E-06	1.616E-09	1.625E-05	1.348E+00	1.348E+00	1.348E+00	1.905E-01
11	6.078E-01	6.081E-01	6.054E-01	5.979E-01	2.765E-05	1.379E-06	1.832E-09	5.926E-06	4.817E-01	4.817E-01	4.817E-01	9.849E-00
12	2.701E-01	2.702E-01	2.690E-01	2.652E-01	1.345E-05	8.126E-07	1.349E-09	2.631E-06	2.140E-01	2.140E-01	2.140E-01	4.944E+00
13	3.221E+02	2.247E+02	4.102E+01	7.610E+00	2.241E-06	9.655E-10	1.562E-14	4.679E-04	1.780E+02	1.780E+02	1.780E+02	8.296E-01
14	9.444E+01	8.586E+01	3.812E+01	1.836E+01	1.843E-05	2.171E-08	7.323E-13	3.502E-04	6.801E+01	6.801E+01	6.801E+01	6.512E+00

NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.79E-01	4.80E-01	1.14E+00	9.73E-02	7.66E-02	0.00E+00
INFANT	GROUND	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04
INFANT	CLOUD	2.82E-09	2.82E-09	2.82E-09	2.82E-09	2.82E-09	2.82E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.26E-02	7.52E-02	3.46E-02	3.46E-02	4.74E-02	0.00E+00
INFANT	TOTALS	2.02E-01	5.55E-01	1.18E+00	1.32E-01	1.24E-01	1.18E-04
CHILD	INHAL.	8.42E-02	4.05E-01	5.24E-01	3.93E-02	2.62E-02	0.00E+00
CHILD	GROUND	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04
CHILD	CLOUD	2.82E-09	2.82E-09	2.82E-09	2.82E-09	2.82E-09	2.82E-09
CHILD	VEG. ING	1.08E-02	5.44E-02	4.60E-02	4.60E-02	3.63E-02	0.00E+00
CHILD	MEAT ING	1.23E-03	6.15E-03	5.81E-03	5.81E-03	4.42E-03	0.00E+00
CHILD	MILK ING	2.65E-03	1.74E-02	7.83E-03	7.83E-03	7.84E-03	0.00E+00
CHILD	TOTALS	9.90E-02	4.83E-01	5.84E-01	9.90E-02	7.49E-02	1.18E-04
TEENAGE	INHAL.	5.30E-02	4.49E-01	2.70E-01	1.71E-02	1.31E-02	0.00E+00
TEENAGE	GROUND	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04
TEENAGE	CLOUD	2.82E-09	2.82E-09	2.82E-09	2.82E-09	2.82E-09	2.82E-09
TEENAGE	VEG. ING	1.76E-02	2.90E-01	4.10E-02	4.10E-02	3.71E-02	0.00E+00
TEENAGE	MEAT ING	1.94E-03	3.17E-02	5.08E-03	5.08E-03	4.40E-03	0.00E+00
TEENAGE	MILK ING	3.70E-03	7.79E-02	5.03E-03	5.03E-03	5.99E-03	0.00E+00
TEENAGE	TOTALS	7.64E-02	8.50E-01	3.21E-01	6.84E-02	6.07E-02	1.18E-04
ADULT	INHAL.	4.55E-02	4.22E-01	2.22E-01	1.41E-02	1.00E-02	0.00E+00
ADULT	GROUND	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04
ADULT	CLOUD	2.82E-09	2.82E-09	2.82E-09	2.82E-09	2.82E-09	2.82E-09
ADULT	VEG. ING	1.00E-02	1.22E-01	2.67E-02	2.67E-02	2.34E-02	0.00E+00
ADULT	MEAT ING	1.42E-03	1.74E-02	4.20E-03	4.20E-03	3.54E-03	0.00E+00
ADULT	MILK ING	7.11E-04	1.07E-02	1.25E-03	1.25E-03	1.39E-03	0.00E+00
ADULT	TOTALS	5.78E-02	5.72E-01	2.55E-01	4.64E-02	3.85E-02	1.18E-04

TIME STEP NUMBER 2, 4NWAREA

NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.06E-01	4.99E-01	1.14E+00	2.01E-01	1.17E-01	2.00E+00
INFANT	GROUND	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03
INFANT	CLOUD	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.61E-02	8.20E-02	4.72E-02	4.72E-02	5.85E-02	0.00E+00
INFANT	TOTALS	3.53E-01	6.02E-01	1.21E+00	2.69E-01	1.96E-01	2.02E+00
CHILD	INHAL.	2.08E-01	4.20E-01	5.25E-01	8.52E-02	4.51E-02	2.00E+00
CHILD	GROUND	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03
CHILD	CLOUD	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02
CHILD	VEG. ING	1.42E-02	6.98E-02	6.41E-02	6.41E-02	4.97E-02	0.00E+00
CHILD	MEAT ING	1.67E-03	8.11E-03	8.12E-03	8.12E-03	6.12E-03	0.00E+00
CHILD	MILK ING	3.20E-03	1.99E-02	1.08E-02	1.08E-02	1.00E-02	0.00E+00
CHILD	TOTALS	2.48E-01	5.39E-01	6.29E-01	1.89E-01	1.32E-01	2.02E+00
TEENAGE	INHAL.	1.76E-01	4.87E-01	2.71E-01	3.68E-02	2.26E-02	2.00E+00
TEENAGE	GROUND	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03
TEENAGE	CLOUD	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02
TEENAGE	VEG. ING	2.27E-02	3.65E-01	5.72E-02	5.72E-02	5.05E-02	0.00E+00
TEENAGE	MEAT ING	2.58E-03	4.11E-02	7.10E-03	7.10E-03	6.07E-03	0.00E+00
TEENAGE	MILK ING	4.29E-03	8.66E-02	6.91E-03	6.91E-03	7.55E-03	0.00E+00
TEENAGE	TOTALS	2.27E-01	1.00E+00	3.63E-01	1.29E-01	1.08E-01	2.02E+00
ADULT	INHAL.	1.68E-01	4.44E-01	2.23E-01	3.05E-02	1.79E-02	2.00E+00
ADULT	GROUND	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03
ADULT	CLOUD	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02
ADULT	VEG. ING	1.31E-02	1.58E-01	3.73E-02	3.73E-02	3.21E-02	0.00E+00
ADULT	MEAT ING	1.90E-03	2.31E-02	5.87E-03	5.87E-03	4.91E-03	0.00E+00
ADULT	MILK ING	8.48E-04	1.23E-02	1.72E-03	1.72E-03	1.77E-03	0.00E+00
ADULT	TOTALS	2.05E-01	6.58E-01	2.89E-01	9.64E-02	7.76E-02	2.02E+00

NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.55E+02	1.94E+03	6.51E+03	3.94E+02	3.14E+02	0.00E+00
INFANT	GROUND	7.36E-01	7.36E-01	7.36E-01	7.36E-01	7.36E-01	7.36E-01
INFANT	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.17E+02	3.76E+02	1.41E+02	1.41E+02	2.68E+02	0.00E+00
INFANT	TOTALS	1.07E+03	2.32E+03	6.66E+03	5.36E+02	5.83E+02	7.36E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.50E+02	1.64E+03	3.03E+03	1.59E+02	1.08E+02	0.00E+00
CHILD	GROUND	7.36E-01	7.36E-01	7.36E-01	7.36E-01	7.36E-01	7.36E-01
CHILD	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
CHILD	VEG. ING	4.60E+01	2.30E+02	1.87E+02	1.87E+02	1.59E+02	0.00E+00
CHILD	MEAT ING	5.13E+00	2.56E+01	2.37E+01	2.37E+01	1.87E+01	0.00E+00
CHILD	MILK ING	1.23E+01	7.82E+01	3.20E+01	3.20E+01	4.10E+01	0.00E+00
CHILD	TOTALS	5.14E+02	1.97E+03	3.20E+03	4.02E+02	3.27E+02	7.36E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.72E+02	1.82E+03	1.57E+03	6.92E+01	5.40E+01	0.00E+00
TEENAGE	GROUND	7.36E-01	7.36E-01	7.36E-01	7.36E-01	7.36E-01	7.36E-01
TEENAGE	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
TEENAGE	VEG. ING	7.42E+01	1.24E+03	1.67E+02	1.67E+02	1.63E+02	0.00E+00
TEENAGE	MEAT ING	8.06E+00	1.33E+02	2.07E+01	2.07E+01	1.86E+01	0.00E+00
TEENAGE	MILK ING	1.65E+01	3.50E+02	2.05E+01	2.05E+01	3.13E+01	0.00E+00
TEENAGE	TOTALS	3.71E+02	3.54E+03	1.78E+03	2.78E+02	2.67E+02	7.36E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.32E+02	1.71E+03	1.30E+03	5.72E+01	4.13E+01	0.00E+00
ADULT	GROUND	7.36E-01	7.36E-01	7.36E-01	7.36E-01	7.36E-01	7.36E-01
ADULT	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
ADULT	VEG. ING	4.18E+01	5.13E+02	1.09E+02	1.09E+02	1.02E+02	0.00E+00
ADULT	MEAT ING	5.85E+00	7.21E+01	1.71E+01	1.71E+01	1.49E+01	0.00E+00
ADULT	MILK ING	3.14E+00	4.72E+01	5.09E+00	5.09E+00	7.09E+00	0.00E+00
ADULT	TOTALS	2.83E+02	2.34E+03	1.43E+03	1.89E+02	1.66E+02	7.36E-01



TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.70E+02	1.94E+03	6.51E+03	3.94E+02	3.14E+02	2.58E+02
INFANT	GROUND	2.25E+01	2.25E+01	2.25E+01	2.25E+01	2.25E+01	2.25E+01
INFANT	CLOUD	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.17E+02	3.76E+02	1.41E+02	1.41E+02	2.68E+02	0.00E+00
INFANT	TOTALS	1.11E+03	2.34E+03	6.68E+03	5.58E+02	6.05E+02	2.81E+02
CHILD	INHAL.	4.66E+02	1.64E+03	3.03E+03	1.59E+02	1.08E+02	2.58E+02
CHILD	GROUND	2.25E+01	2.25E+01	2.25E+01	2.25E+01	2.25E+01	2.25E+01
CHILD	CLOUD	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01
CHILD	VEG. ING	4.60E+01	2.30E+02	1.87E+02	1.87E+02	1.59E+02	0.00E+00
CHILD	MEAT ING	5.13E+00	2.56E+01	2.37E+01	2.37E+01	1.87E+01	0.00E+00
CHILD	MILK ING	1.23E+01	7.82E+01	3.20E+01	3.20E+01	4.10E+01	0.00E+00
CHILD	TOTALS	5.52E+02	2.00E+03	3.30E+03	4.24E+02	3.49E+02	2.81E+02
TEENAGE	INHAL.	2.87E+02	1.82E+03	1.57E+03	6.92E+01	5.40E+01	2.58E+02
TEENAGE	GROUND	2.25E+01	2.25E+01	2.25E+01	2.25E+01	2.25E+01	2.25E+01
TEENAGE	CLOUD	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01
TEENAGE	VEG. ING	7.42E+01	1.24E+03	1.67E+02	1.67E+02	1.63E+02	0.00E+00
TEENAGE	MEAT ING	8.06E+00	1.33E+02	2.07E+01	2.07E+01	1.86E+01	0.00E+00
TEENAGE	MILK ING	1.65E+01	3.50E+02	2.05E+01	2.05E+01	3.13E+01	0.00E+00
TEENAGE	TOTALS	4.09E+02	3.56E+03	1.80E+03	3.00E+02	2.89E+02	2.81E+02
ADULT	INHAL.	2.47E+02	1.71E+03	1.30E+03	5.72E+01	4.13E+01	2.58E+02
ADULT	GROUND	2.25E+01	2.25E+01	2.25E+01	2.25E+01	2.25E+01	2.25E+01
ADULT	CLOUD	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01
ADULT	VEG. ING	4.18E+01	5.13E+02	1.09E+02	1.09E+02	1.02E+02	0.00E+00
ADULT	MEAT ING	5.85E+00	7.21E+01	1.71E+01	1.71E+01	1.49E+01	0.00E+00
ADULT	MILK ING	3.14E+00	4.72E+01	5.09E+00	5.09E+00	7.09E+00	0.00E+00
ADULT	TOTALS	3.21E+02	2.36E+03	1.45E+03	2.11E+02	1.88E+02	2.81E+02

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.66E+01	1.64E+02	3.52E+02	3.33E+01	2.61E+01	0.00E+00
INFANT	GROUND	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02
INFANT	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.21E+00	2.42E+01	1.18E+01	1.18E+01	1.46E+01	0.00E+00
INFANT	TOTALS	6.38E+01	1.88E+02	3.64E+02	4.51E+01	4.08E+01	3.49E-02
CHILD	INHAL.	2.65E+01	1.38E+02	1.60E+02	1.34E+01	8.92E+00	0.00E+00
CHILD	GROUND	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02
CHILD	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
CHILD	VEG. ING	3.66E+00	1.84E+01	1.57E+01	1.57E+01	1.22E+01	0.00E+00
CHILD	MEAT ING	4.19E-01	2.09E+00	1.98E+00	1.98E+00	1.49E+00	0.00E+00
CHILD	MILK ING	8.73E-01	5.80E+00	2.67E+00	2.67E+00	2.49E+00	0.00E+00
CHILD	TOTALS	3.15E+01	1.65E+02	1.81E+02	3.38E+01	2.51E+01	3.49E-02
TEENAGE	INHAL.	1.69E+01	1.54E+02	8.25E+01	5.85E+00	4.46E+00	0.00E+00
TEENAGE	GROUND	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02
TEENAGE	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
TEENAGE	VEG. ING	5.97E+00	9.80E+01	1.40E+01	1.40E+01	1.24E+01	0.00E+00
TEENAGE	MEAT ING	6.61E-01	1.08E+01	1.73E+00	1.73E+00	1.49E+00	0.00E+00
TEENAGE	MILK ING	1.23E+00	2.59E+01	1.72E+00	1.72E+00	1.90E+00	0.00E+00
TEENAGE	TOTALS	2.48E+01	2.88E+02	1.00E+02	2.33E+01	2.03E+01	3.49E-02
ADULT	INHAL.	1.46E+01	1.44E+02	6.78E+01	4.83E+00	3.41E+00	0.00E+00
ADULT	GROUND	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02
ADULT	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
ADULT	VEG. ING	3.39E+00	4.13E+01	9.13E+00	9.13E+00	7.87E+00	0.00E+00
ADULT	MEAT ING	4.82E-01	5.92E+00	1.43E+00	1.43E+00	1.20E+00	0.00E+00
ADULT	MILK ING	2.38E-01	3.59E+00	4.26E-01	4.26E-01	4.43E-01	0.00E+00
ADULT	TOTALS	1.87E+01	1.95E+02	7.88E+01	1.59E+01	1.30E+01	3.49E-02

NUMBER 3 NAME=restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.43E+01	1.64E+02	3.52E+02	3.33E+01	2.61E+01	1.29E+02
INFANT	GROUND	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00
INFANT	CLOUD	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.21E+00	2.42E+01	1.18E+01	1.18E+01	1.46E+01	0.00E+00
INFANT	TOTALS	7.31E+01	1.90E+02	3.65E+02	4.67E+01	4.23E+01	1.30E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.42E+01	1.38E+02	1.60E+02	1.34E+01	8.92E+00	1.29E+02
CHILD	GROUND	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00
CHILD	CLOUD	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01
CHILD	VEG. ING	3.66E+00	1.84E+01	1.57E+01	1.57E+01	1.22E+01	0.00E+00
CHILD	MEAT ING	4.19E-01	2.09E+00	1.98E+00	1.98E+00	1.49E+00	0.00E+00
CHILD	MILK ING	8.73E-01	5.80E+00	2.67E+00	2.67E+00	2.49E+00	0.00E+00
CHILD	TOTALS	4.08E+01	1.66E+02	1.82E+02	3.54E+01	2.66E+01	1.30E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.47E+01	1.54E+02	8.25E+01	5.86E+00	4.47E+00	1.29E+02
TEENAGE	GROUND	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00
TEENAGE	CLOUD	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01
TEENAGE	VEG. ING	5.97E+00	9.80E+01	1.40E+01	1.40E+01	1.24E+01	0.00E+00
TEENAGE	MEAT ING	6.61E-01	1.08E+01	1.73E+00	1.73E+00	1.49E+00	0.00E+00
TEENAGE	MILK ING	1.23E+00	2.59E+01	1.72E+00	1.72E+00	1.90E+00	0.00E+00
TEENAGE	TOTALS	3.41E+01	2.90E+02	1.02E+02	2.49E+01	2.19E+01	1.30E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.23E+01	1.44E+02	6.78E+01	4.83E+00	3.41E+00	1.29E+02
ADULT	GROUND	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00
ADULT	CLOUD	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01
ADULT	VEG. ING	3.39E+00	4.13E+01	9.13E+00	9.13E+00	7.87E+00	0.00E+00
ADULT	MEAT ING	4.82E-01	5.92E+00	1.43E+00	1.43E+00	1.20E+00	0.00E+00
ADULT	MILK ING	2.38E-01	3.59E+00	4.26E-01	4.26E-01	4.43E-01	0.00E+00
ADULT	TOTALS	2.80E+01	1.97E+02	8.04E+01	1.74E+01	1.45E+01	1.30E+02

NUMBER 4 NAME-Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.48E+01	1.30E+02	2.78E+02	2.64E+01	2.07E+01	0.00E+00
INFANT	GROUND	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02
INFANT	CLOUD	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.70E+00	1.92E+01	9.35E+00	9.35E+00	1.16E+01	0.00E+00
INFANT	TOTALS	5.05E+01	1.49E+02	2.87E+02	3.57E+01	3.23E+01	2.75E-02
CHILD	INHAL.	2.10E+01	1.10E+02	1.27E+02	1.06E+01	7.06E+00	0.00E+00
CHILD	GROUND	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02
CHILD	CLOUD	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07
CHILD	VEG. ING	2.90E+00	1.46E+01	1.24E+01	1.24E+01	9.63E+00	0.00E+00
CHILD	MEAT ING	3.31E-01	1.65E+00	1.57E+00	1.57E+00	1.18E+00	0.00E+00
CHILD	MILK ING	6.91E-01	4.59E+00	2.12E+00	2.12E+00	1.97E+00	0.00E+00
CHILD	TOTALS	2.49E+01	1.30E+02	1.43E+02	2.68E+01	1.99E+01	2.75E-02
TEENAGE	INHAL.	1.34E+01	1.22E+02	6.52E+01	4.63E+00	3.54E+00	0.00E+00
TEENAGE	GROUND	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02
TEENAGE	CLOUD	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07
TEENAGE	VEG. ING	4.73E+00	7.76E+01	1.11E+01	1.11E+01	9.83E+00	0.00E+00
TEENAGE	MEAT ING	5.23E-01	8.53E+00	1.37E+00	1.37E+00	1.18E+00	0.00E+00
TEENAGE	MILK ING	9.77E-01	2.05E+01	1.36E+00	1.36E+00	1.51E+00	0.00E+00
TEENAGE	TOTALS	1.96E+01	2.28E+02	7.91E+01	1.85E+01	1.61E+01	2.75E-02
ADULT	INHAL.	1.15E+01	1.14E+02	5.36E+01	3.83E+00	2.70E+00	0.00E+00
ADULT	GROUND	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02	2.75E-02
ADULT	CLOUD	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07
ADULT	VEG. ING	2.69E+00	3.27E+01	7.23E+00	7.23E+00	6.23E+00	0.00E+00
ADULT	MEAT ING	3.82E-01	4.69E+00	1.13E+00	1.13E+00	9.50E-01	0.00E+00
ADULT	MILK ING	1.88E-01	2.84E+00	3.37E-01	3.37E-01	3.50E-01	0.00E+00
ADULT	TOTALS	1.48E+01	1.54E+02	6.23E+01	1.26E+01	1.03E+01	2.75E-02

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.11E+01	1.30E+02	2.78E+02	2.64E+01	2.07E+01	1.05E+02
INFANT	GROUND	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00
INFANT	CLOUD	7.21E-02	7.21E-02	7.21E-02	7.21E-02	7.21E-02	7.21E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.70E+00	1.92E+01	9.35E+00	9.35E+00	1.16E+01	0.00E+00
INFANT	TOTALS	5.80E+01	1.50E+02	2.89E+02	3.69E+01	3.34E+01	1.07E+02
CHILD	INHAL.	2.73E+01	1.10E+02	1.27E+02	1.06E+01	7.06E+00	1.05E+02
CHILD	GROUND	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00
CHILD	CLOUD	7.21E-02	7.21E-02	7.21E-02	7.21E-02	7.21E-02	7.21E-02
CHILD	VEG. ING	2.90E+00	1.46E+01	1.24E+01	1.24E+01	9.63E+00	0.00E+00
CHILD	MEAT ING	3.31E-01	1.65E+00	1.57E+00	1.57E+00	1.18E+00	0.00E+00
CHILD	MILK ING	6.91E-01	4.59E+00	2.12E+00	2.12E+00	1.97E+00	0.00E+00
CHILD	TOTALS	3.24E+01	1.32E+02	1.44E+02	2.80E+01	2.10E+01	1.07E+02
TEENAGE	INHAL.	1.97E+01	1.22E+02	6.52E+01	4.64E+00	3.54E+00	1.05E+02
TEENAGE	GROUND	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00
TEENAGE	CLOUD	7.21E-02	7.21E-02	7.21E-02	7.21E-02	7.21E-02	7.21E-02
TEENAGE	VEG. ING	4.73E+00	7.76E+01	1.11E+01	1.11E+01	9.83E+00	0.00E+00
TEENAGE	MEAT ING	5.23E-01	8.53E+00	1.37E+00	1.37E+00	1.18E+00	0.00E+00
TEENAGE	MILK ING	9.77E-01	2.05E+01	1.36E+00	1.36E+00	1.51E+00	0.00E+00
TEENAGE	TOTALS	2.71E+01	2.29E+02	8.02E+01	1.97E+01	1.73E+01	1.07E+02
ADULT	INHAL.	1.79E+01	1.14E+02	5.36E+01	3.83E+00	2.70E+00	1.05E+02
ADULT	GROUND	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00
ADULT	CLOUD	7.21E-02	7.21E-02	7.21E-02	7.21E-02	7.21E-02	7.21E-02
ADULT	VEG. ING	2.69E+00	3.27E+01	7.23E+00	7.23E+00	6.23E+00	0.00E+00
ADULT	MEAT ING	3.82E-01	4.69E+00	1.13E+00	1.13E+00	9.50E-01	0.00E+00
ADULT	MILK ING	1.88E-01	2.84E+00	3.37E-01	3.37E-01	3.50E-01	0.00E+00
ADULT	TOTALS	2.23E+01	1.56E+02	6.35E+01	1.37E+01	1.14E+01	1.07E+02

NUMBER 5 NAME=Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.42E+02	3.24E+02	9.42E+02	6.57E+01	5.20E+01	0.00E+00
INFANT	GROUND	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01
INFANT	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.75E+01	5.73E+01	2.35E+01	2.35E+01	3.89E+01	0.00E+00
INFANT	TOTALS	1.59E+02	3.81E+02	9.66E+02	8.93E+01	9.11E+01	1.03E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.67E+01	2.73E+02	4.36E+02	2.65E+01	1.78E+01	0.00E+00
CHILD	GROUND	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01
CHILD	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
CHILD	VEG. ING	7.50E+00	3.76E+01	3.11E+01	3.11E+01	2.56E+01	0.00E+00
CHILD	MEAT ING	8.45E-01	4.21E+00	3.93E+00	3.93E+00	3.05E+00	0.00E+00
CHILD	MILK ING	1.93E+00	1.25E+01	5.31E+00	5.31E+00	6.13E+00	0.00E+00
CHILD	TOTALS	7.71E+01	3.28E+02	4.77E+02	6.69E+01	5.27E+01	1.03E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.09E+01	3.04E+02	2.26E+02	1.15E+01	8.93E+00	0.00E+00
TEENAGE	GROUND	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01
TEENAGE	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
TEENAGE	VEG. ING	1.22E+01	2.02E+02	2.78E+01	2.78E+01	2.62E+01	0.00E+00
TEENAGE	MEAT ING	1.33E+00	2.18E+01	3.44E+00	3.44E+00	3.04E+00	0.00E+00
TEENAGE	MILK ING	2.64E+00	5.57E+01	3.41E+00	3.41E+00	4.68E+00	0.00E+00
TEENAGE	TOTALS	5.72E+01	5.83E+02	2.60E+02	4.63E+01	4.29E+01	1.03E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.50E+01	2.85E+02	1.86E+02	9.53E+00	6.82E+00	0.00E+00
ADULT	GROUND	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01
ADULT	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
ADULT	VEG. ING	6.87E+00	8.40E+01	1.81E+01	1.81E+01	1.65E+01	0.00E+00
ADULT	MEAT ING	9.67E-01	1.19E+01	2.84E+00	2.84E+00	2.44E+00	0.00E+00
ADULT	MILK ING	5.03E-01	7.58E+00	8.45E-01	8.45E-01	1.07E+00	0.00E+00
ADULT	TOTALS	4.35E+01	3.88E+02	2.08E+02	3.14E+01	2.69E+01	1.03E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 92  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 2, #NWARERA DURATION IN YRS IS... 3.0  
 NUMBER 5 NAME=Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.49E+02	3.24E+02	9.42E+02	6.57E+01	5.21E+01	1.20E+02
INFANT	GROUND	3.41E+00	3.41E+00	3.41E+00	3.41E+00	3.41E+00	3.41E+00
INFANT	CLOUD	1.81E-01	1.81E-01	1.81E-01	1.81E-01	1.81E-01	1.81E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.75E+01	5.73E+01	2.35E+01	2.35E+01	3.89E+01	0.00E+00
INFANT	TOTALS	1.70E+02	3.85E+02	9.69E+02	9.28E+01	9.46E+01	1.24E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.39E+01	2.73E+02	4.36E+02	2.65E+01	1.78E+01	1.20E+02
CHILD	GROUND	3.41E+00	3.41E+00	3.41E+00	3.41E+00	3.41E+00	3.41E+00
CHILD	CLOUD	1.81E-01	1.81E-01	1.81E-01	1.81E-01	1.81E-01	1.81E-01
CHILD	VEG. ING	7.50E+00	3.76E+01	3.11E+01	3.11E+01	2.56E+01	0.00E+00
CHILD	MEAT ING	8.45E-01	4.21E+00	3.93E+00	3.93E+00	3.05E+00	0.00E+00
CHILD	MILK ING	1.93E+00	1.25E+01	5.31E+00	5.31E+00	6.13E+00	0.00E+00
CHILD	TOTALS	8.78E+01	3.31E+02	4.80E+02	7.04E+01	5.62E+01	1.24E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.81E+01	3.04E+02	2.26E+02	1.16E+01	8.94E+00	1.20E+02
TEENAGE	GROUND	3.41E+00	3.41E+00	3.41E+00	3.41E+00	3.41E+00	3.41E+00
TEENAGE	CLOUD	1.81E-01	1.81E-01	1.81E-01	1.81E-01	1.81E-01	1.81E-01
TEENAGE	VEG. ING	1.22E+01	2.02E+02	2.78E+01	2.78E+01	2.62E+01	0.00E+00
TEENAGE	MEAT ING	1.33E+00	2.18E+01	3.44E+00	3.44E+00	3.04E+00	0.00E+00
TEENAGE	MILK ING	2.64E+00	5.57E+01	3.41E+00	3.41E+00	4.68E+00	0.00E+00
TEENAGE	TOTALS	6.79E+01	5.86E+02	2.64E+02	4.97E+01	4.64E+01	1.24E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.22E+01	2.85E+02	1.86E+02	9.54E+00	6.83E+00	1.20E+02
ADULT	GROUND	3.41E+00	3.41E+00	3.41E+00	3.41E+00	3.41E+00	3.41E+00
ADULT	CLOUD	1.81E-01	1.81E-01	1.81E-01	1.81E-01	1.81E-01	1.81E-01
ADULT	VEG. ING	6.87E+00	8.41E+01	1.81E+01	1.81E+01	1.65E+01	0.00E+00
ADULT	MEAT ING	9.67E-01	1.19E+01	2.84E+00	2.84E+00	2.44E+00	0.00E+00
ADULT	MILK ING	5.03E-01	7.58E+00	8.45E-01	8.45E-01	1.07E+00	0.00E+00
ADULT	TOTALS	5.42E+01	3.92E+02	2.11E+02	3.49E+01	3.04E+01	1.24E+02

TIME STEP NUMBER 2, &NWAREA

NUMBER 6 NAME=Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.42E+02	7.69E+02	2.28E+03	1.56E+02	1.24E+02	0.00E+00
INFANT	GROUND	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01
INFANT	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.22E+01	1.38E+02	5.58E+01	5.58E+01	9.42E+01	0.00E+00
INFANT	TOTALS	3.84E+02	9.07E+02	2.34E+03	2.12E+02	2.18E+02	2.50E-01
CHILD	INHAL.	1.61E+02	6.49E+02	1.06E+03	6.29E+01	4.23E+01	0.00E+00
CHILD	GROUND	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01
CHILD	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
CHILD	VEG. ING	1.79E+01	8.96E+01	7.39E+01	7.39E+01	6.10E+01	0.00E+00
CHILD	MEAT ING	2.01E+00	1.00E+01	9.34E+00	9.34E+00	7.26E+00	0.00E+00
CHILD	MILK ING	4.63E+00	2.98E+01	1.26E+01	1.26E+01	1.48E+01	0.00E+00
CHILD	TOTALS	1.86E+02	7.78E+02	1.15E+03	1.59E+02	1.26E+02	2.50E-01
TEENAGE	INHAL.	9.85E+01	7.21E+02	5.47E+02	2.74E+01	2.12E+01	0.00E+00
TEENAGE	GROUND	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01
TEENAGE	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
TEENAGE	VEG. ING	2.89E+01	4.80E+02	6.59E+01	6.59E+01	6.24E+01	0.00E+00
TEENAGE	MEAT ING	3.16E+00	5.18E+01	8.17E+00	8.17E+00	7.24E+00	0.00E+00
TEENAGE	MILK ING	6.29E+00	1.33E+02	8.10E+00	8.10E+00	1.13E+01	0.00E+00
TEENAGE	TOTALS	1.37E+02	1.39E+03	6.29E+02	1.10E+02	1.02E+02	2.50E-01
ADULT	INHAL.	8.43E+01	6.76E+02	4.51E+02	2.26E+01	1.62E+01	0.00E+00
ADULT	GROUND	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01	2.50E-01
ADULT	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
ADULT	VEG. ING	1.63E+01	2.00E+02	4.30E+01	4.30E+01	3.92E+01	0.00E+00
ADULT	MEAT ING	2.30E+00	2.83E+01	6.75E+00	6.75E+00	5.82E+00	0.00E+00
ADULT	MILK ING	1.20E+00	1.81E+01	2.01E+00	2.01E+00	2.57E+00	0.00E+00
ADULT	TOTALS	1.04E+02	9.23E+02	5.03E+02	7.46E+01	6.41E+01	2.50E-01



NUMBER 6 NAME-Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

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 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.57E+02	7.69E+02	2.28E+03	1.56E+02	1.24E+02	2.49E+02
INFANT	GROUND	8.19E+00	8.19E+00	8.19E+00	8.19E+00	8.19E+00	8.19E+00
INFANT	CLOUD	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.22E+01	1.38E+02	5.58E+01	5.58E+01	9.42E+01	0.00E+00
INFANT	TOTALS	4.07E+02	9.15E+02	2.35E+03	2.20E+02	2.26E+02	2.58E+02
CHILD	INHAL.	1.76E+02	6.49E+02	1.06E+03	6.29E+01	4.23E+01	2.49E+02
CHILD	GROUND	8.19E+00	8.19E+00	8.19E+00	8.19E+00	8.19E+00	8.19E+00
CHILD	CLOUD	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01
CHILD	VEG. ING	1.79E+01	8.96E+01	7.39E+01	7.39E+01	6.10E+01	0.00E+00
CHILD	MEAT ING	2.01E+00	1.00E+01	9.34E+00	9.34E+00	7.26E+00	0.00E+00
CHILD	MILK ING	4.63E+00	2.98E+01	1.26E+01	1.26E+01	1.48E+01	0.00E+00
CHILD	TOTALS	2.09E+02	7.86E+02	1.16E+03	1.67E+02	1.34E+02	2.58E+02
TEENAGE	INHAL.	1.13E+02	7.21E+02	5.47E+02	2.74E+01	2.12E+01	2.49E+02
TEENAGE	GROUND	8.19E+00	8.19E+00	8.19E+00	8.19E+00	8.19E+00	8.19E+00
TEENAGE	CLOUD	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01
TEENAGE	VEG. ING	2.89E+01	4.80E+02	6.59E+01	6.59E+01	6.24E+01	0.00E+00
TEENAGE	MEAT ING	3.16E+00	5.18E+01	8.17E+00	8.17E+00	7.24E+00	0.00E+00
TEENAGE	MILK ING	6.29E+00	1.33E+02	8.10E+00	8.10E+00	1.13E+01	0.00E+00
TEENAGE	TOTALS	1.60E+02	1.39E+03	6.37E+02	1.18E+02	1.11E+02	2.58E+02
ADULT	INHAL.	9.92E+01	6.76E+02	4.51E+02	2.26E+01	1.62E+01	2.49E+02
ADULT	GROUND	8.19E+00	8.19E+00	8.19E+00	8.19E+00	8.19E+00	8.19E+00
ADULT	CLOUD	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01
ADULT	VEG. ING	1.63E+01	2.00E+02	4.30E+01	4.30E+01	3.92E+01	0.00E+00
ADULT	MEAT ING	2.30E+00	2.83E+01	6.75E+00	6.75E+00	5.82E+00	0.00E+00
ADULT	MILK ING	1.20E+00	1.81E+01	2.01E+00	2.01E+00	2.57E+00	0.00E+00
ADULT	TOTALS	1.27E+02	9.31E+02	5.11E+02	8.27E+01	7.22E+01	2.58E+02

NUMBER 7 NAME=Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.71E+01	1.98E+02	4.14E+02	4.02E+01	3.15E+01	0.00E+00
INFANT	GROUND	4.07E-02	4.07E-02	4.07E-02	4.07E-02	4.07E-02	4.07E-02
INFANT	CLOUD	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.57E+00	2.89E+01	1.43E+01	1.43E+01	1.72E+01	0.00E+00
INFANT	TOTALS	7.57E+01	2.27E+02	4.28E+02	5.45E+01	4.88E+01	4.07E-02
CHILD	INHAL.	3.14E+01	1.67E+02	1.88E+02	1.62E+01	1.08E+01	0.00E+00
CHILD	GROUND	4.07E-02	4.07E-02	4.07E-02	4.07E-02	4.07E-02	4.07E-02
CHILD	CLOUD	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CHILD	VEG. ING	4.41E+00	2.21E+01	1.90E+01	1.90E+01	1.46E+01	0.00E+00
CHILD	MEAT ING	5.05E-01	2.52E+00	2.39E+00	2.39E+00	1.80E+00	0.00E+00
CHILD	MILK ING	1.05E+00	6.96E+00	3.23E+00	3.23E+00	2.96E+00	0.00E+00
CHILD	TOTALS	3.74E+01	1.99E+02	2.13E+02	4.08E+01	3.02E+01	4.07E-02
TEENAGE	INHAL.	2.01E+01	1.85E+02	9.70E+01	7.07E+00	5.39E+00	0.00E+00
TEENAGE	GROUND	4.07E-02	4.07E-02	4.07E-02	4.07E-02	4.07E-02	4.07E-02
TEENAGE	CLOUD	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
TEENAGE	VEG. ING	7.19E+00	1.18E+02	1.69E+01	1.69E+01	1.49E+01	0.00E+00
TEENAGE	MEAT ING	7.96E-01	1.30E+01	2.09E+00	2.09E+00	1.79E+00	0.00E+00
TEENAGE	MILK ING	1.48E+00	3.11E+01	2.07E+00	2.07E+00	2.26E+00	0.00E+00
TEENAGE	TOTALS	2.96E+01	3.48E+02	1.18E+02	2.82E+01	2.44E+01	4.07E-02
ADULT	INHAL.	1.73E+01	1.74E+02	7.97E+01	5.84E+00	4.11E+00	0.00E+00
ADULT	GROUND	4.07E-02	4.07E-02	4.07E-02	4.07E-02	4.07E-02	4.07E-02
ADULT	CLOUD	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
ADULT	VEG. ING	4.09E+00	4.98E+01	1.10E+01	1.10E+01	9.46E+00	0.00E+00
ADULT	MEAT ING	5.81E-01	7.14E+00	1.73E+00	1.73E+00	1.45E+00	0.00E+00
ADULT	MILK ING	2.86E-01	4.32E+00	5.14E-01	5.14E-01	5.26E-01	0.00E+00
ADULT	TOTALS	2.23E+01	2.35E+02	9.30E+01	1.91E+01	1.56E+01	4.07E-02

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 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.69E+01	1.98E+02	4.14E+02	4.02E+01	3.15E+01	1.65E+02
INFANT	GROUND	1.70E+00	1.70E+00	1.70E+00	1.70E+00	1.70E+00	1.70E+00
INFANT	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.57E+00	2.89E+01	1.43E+01	1.43E+01	1.72E+01	0.00E+00
INFANT	TOTALS	8.74E+01	2.29E+02	4.30E+02	5.63E+01	5.06E+01	1.66E+02
CHILD	INHAL.	4.13E+01	1.67E+02	1.88E+02	1.62E+01	1.08E+01	1.65E+02
CHILD	GROUND	1.70E+00	1.70E+00	1.70E+00	1.70E+00	1.70E+00	1.70E+00
CHILD	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
CHILD	VEG. ING	4.41E+00	2.21E+01	1.90E+01	1.90E+01	1.46E+01	0.00E+00
CHILD	MEAT ING	5.05E-01	2.52E+00	2.39E+00	2.39E+00	1.80E+00	0.00E+00
CHILD	MILK ING	1.05E+00	6.97E+00	3.23E+00	3.23E+00	2.96E+00	0.00E+00
CHILD	TOTALS	4.91E+01	2.00E+02	2.15E+02	4.26E+01	3.20E+01	1.66E+02
TEENAGE	INHAL.	3.00E+01	1.85E+02	9.70E+01	7.07E+00	5.39E+00	1.65E+02
TEENAGE	GROUND	1.70E+00	1.70E+00	1.70E+00	1.70E+00	1.70E+00	1.70E+00
TEENAGE	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
TEENAGE	VEG. ING	7.19E+00	1.18E+02	1.69E+01	1.69E+01	1.49E+01	0.00E+00
TEENAGE	MEAT ING	7.97E-01	1.30E+01	2.09E+00	2.09E+00	1.79E+00	0.00E+00
TEENAGE	MILK ING	1.48E+00	3.11E+01	2.07E+00	2.07E+00	2.26E+00	0.00E+00
TEENAGE	TOTALS	4.13E+01	3.49E+02	1.20E+02	3.00E+01	2.62E+01	1.66E+02
ADULT	INHAL.	2.72E+01	1.74E+02	7.97E+01	5.84E+00	4.11E+00	1.65E+02
ADULT	GROUND	1.70E+00	1.70E+00	1.70E+00	1.70E+00	1.70E+00	1.70E+00
ADULT	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
ADULT	VEG. ING	4.09E+00	4.98E+01	1.10E+01	1.10E+01	9.47E+00	0.00E+00
ADULT	MEAT ING	5.81E-01	7.14E+00	1.73E+00	1.73E+00	1.45E+00	0.00E+00
ADULT	MILK ING	2.86E-01	4.32E+00	5.14E-01	5.14E-01	5.27E-01	0.00E+00
ADULT	TOTALS	3.40E+01	2.37E+02	9.48E+01	2.10E+01	1.74E+01	1.66E+02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 2, UNWAREA

PAGE 97  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 8 NAME=Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.91E+01	2.40E+02	6.50E+02	4.87E+01	3.85E+01	0.00E+00
INFANT	GROUND	6.96E-02	6.96E-02	6.96E-02	6.96E-02	6.96E-02	6.96E-02
INFANT	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.23E+01	4.06E+01	1.74E+01	1.74E+01	2.69E+01	0.00E+00
INFANT	TOTALS	1.12E+02	2.81E+02	6.67E+02	6.61E+01	6.54E+01	6.96E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.66E+01	2.02E+02	3.00E+02	1.96E+01	1.32E+01	0.00E+00
CHILD	GROUND	6.96E-02	6.96E-02	6.96E-02	6.96E-02	6.96E-02	6.96E-02
CHILD	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
CHILD	VEG. ING	5.50E+00	2.76E+01	2.30E+01	2.30E+01	1.86E+01	0.00E+00
CHILD	MEAT ING	6.22E-01	3.10E+00	2.91E+00	2.91E+00	2.24E+00	0.00E+00
CHILD	MILK ING	1.39E+00	9.03E+00	3.93E+00	3.93E+00	4.30E+00	0.00E+00
CHILD	TOTALS	5.42E+01	2.42E+02	3.30E+02	4.96E+01	3.84E+01	6.96E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.89E+01	2.25E+02	1.55E+02	8.56E+00	6.60E+00	0.00E+00
TEENAGE	GROUND	6.96E-02	6.96E-02	6.96E-02	6.96E-02	6.96E-02	6.96E-02
TEENAGE	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
TEENAGE	VEG. ING	8.94E+00	1.48E+02	2.05E+01	2.05E+01	1.91E+01	0.00E+00
TEENAGE	MEAT ING	9.80E-01	1.60E+01	2.55E+00	2.55E+00	2.23E+00	0.00E+00
TEENAGE	MILK ING	1.91E+00	4.04E+01	2.52E+00	2.52E+00	3.29E+00	0.00E+00
TEENAGE	TOTALS	4.08E+01	4.29E+02	1.80E+02	3.42E+01	3.13E+01	6.96E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.47E+01	2.11E+02	1.28E+02	7.07E+00	5.04E+00	0.00E+00
ADULT	GROUND	6.96E-02	6.96E-02	6.96E-02	6.96E-02	6.96E-02	6.96E-02
ADULT	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
ADULT	VEG. ING	5.06E+00	6.18E+01	1.34E+01	1.34E+01	1.20E+01	0.00E+00
ADULT	MEAT ING	7.13E-01	8.78E+00	2.10E+00	2.10E+00	1.80E+00	0.00E+00
ADULT	MILK ING	3.66E-01	5.52E+00	6.25E-01	6.25E-01	7.54E-01	0.00E+00
ADULT	TOTALS	3.09E+01	2.87E+02	1.44E+02	2.33E+01	1.97E+01	6.96E-02

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.06E+02	2.40E+02	6.50E+02	4.87E+01	3.85E+01	1.16E+02
INFANT	GROUND	2.41E+00	2.41E+00	2.41E+00	2.41E+00	2.41E+00	2.41E+00
INFANT	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.23E+01	4.06E+01	1.74E+01	1.74E+01	2.69E+01	0.00E+00
INFANT	TOTALS	1.21E+02	2.83E+02	6.70E+02	6.86E+01	6.79E+01	1.18E+02
CHILD	INHAL.	5.36E+01	2.02E+02	3.00E+02	1.96E+01	1.32E+01	1.16E+02
CHILD	GROUND	2.41E+00	2.41E+00	2.41E+00	2.41E+00	2.41E+00	2.41E+00
CHILD	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
CHILD	VEG. ING	5.51E+00	2.76E+01	2.30E+01	2.30E+01	1.87E+01	0.00E+00
CHILD	MEAT ING	6.23E-01	3.10E+00	2.91E+00	2.91E+00	2.24E+00	0.00E+00
CHILD	MILK ING	1.39E+00	9.04E+00	3.93E+00	3.93E+00	4.30E+00	0.00E+00
CHILD	TOTALS	6.37E+01	2.45E+02	3.32E+02	5.21E+01	4.09E+01	1.18E+02
TEENAGE	INHAL.	3.58E+01	2.25E+02	1.55E+02	8.56E+00	6.60E+00	1.16E+02
TEENAGE	GROUND	2.41E+00	2.41E+00	2.41E+00	2.41E+00	2.41E+00	2.41E+00
TEENAGE	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
TEENAGE	VEG. ING	8.94E+00	1.48E+02	2.05E+01	2.05E+01	1.91E+01	0.00E+00
TEENAGE	MEAT ING	9.80E-01	1.60E+01	2.55E+00	2.55E+00	2.23E+00	0.00E+00
TEENAGE	MILK ING	1.91E+00	4.04E+01	2.52E+00	2.52E+00	3.29E+00	0.00E+00
TEENAGE	TOTALS	5.02E+01	4.32E+02	1.83E+02	3.67E+01	3.38E+01	1.18E+02
ADULT	INHAL.	3.17E+01	2.11E+02	1.28E+02	7.07E+00	5.04E+00	1.16E+02
ADULT	GROUND	2.41E+00	2.41E+00	2.41E+00	2.41E+00	2.41E+00	2.41E+00
ADULT	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
ADULT	VEG. ING	5.06E+00	6.18E+01	1.34E+01	1.34E+01	1.20E+01	0.00E+00
ADULT	MEAT ING	7.13E-01	8.78E+00	2.10E+00	2.10E+00	1.80E+00	0.00E+00
ADULT	MILK ING	3.66E-01	5.52E+00	6.25E-01	6.25E-01	7.54E-01	0.00E+00
ADULT	TOTALS	4.04E+01	2.90E+02	1.46E+02	2.58E+01	2.22E+01	1.18E+02

TIME STEP NUMBER 2, 4NWAREA

NUMBER 9 NAME-Restricted Area Boun X- -0.3KM, Y- 0.3KM, Z- 0.8M, DIST- 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.89E+02	6.18E+02	1.95E+03	1.25E+02	9.96E+01	0.00E+00
INFANT	GROUND	2.17E-01	2.17E-01	2.17E-01	2.17E-01	2.17E-01	2.17E-01
INFANT	CLOUD	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.55E+01	1.15E+02	4.49E+01	4.49E+01	8.03E+01	0.00E+00
INFANT	TOTALS	3.24E+02	7.33E+02	1.99E+03	1.70E+02	1.80E+02	2.17E-01
CHILD	INHAL.	1.36E+02	5.21E+02	9.05E+02	5.05E+01	3.41E+01	0.00E+00
CHILD	GROUND	2.17E-01	2.17E-01	2.17E-01	2.17E-01	2.17E-01	2.17E-01
CHILD	CLOUD	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06
CHILD	VEG. ING	1.45E+01	7.26E+01	5.94E+01	5.94E+01	4.98E+01	0.00E+00
CHILD	MEAT ING	1.62E+00	8.09E+00	7.52E+00	7.52E+00	5.88E+00	0.00E+00
CHILD	MILK ING	3.82E+00	2.44E+01	1.02E+01	1.02E+01	1.24E+01	0.00E+00
CHILD	TOTALS	1.56E+02	6.27E+02	9.82E+02	1.28E+02	1.02E+02	2.17E-01
TEENAGE	INHAL.	8.26E+01	5.79E+02	4.68E+02	2.20E+01	1.71E+01	0.00E+00
TEENAGE	GROUND	2.17E-01	2.17E-01	2.17E-01	2.17E-01	2.17E-01	2.17E-01
TEENAGE	CLOUD	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06
TEENAGE	VEG. ING	2.34E+01	3.90E+02	5.30E+01	5.30E+01	5.09E+01	0.00E+00
TEENAGE	MEAT ING	2.55E+00	4.19E+01	6.58E+00	6.58E+00	5.87E+00	0.00E+00
TEENAGE	MILK ING	5.15E+00	1.09E+02	6.52E+00	6.52E+00	9.48E+00	0.00E+00
TEENAGE	TOTALS	1.14E+02	1.12E+03	5.34E+02	8.84E+01	8.36E+01	2.17E-01
ADULT	INHAL.	7.06E+01	5.43E+02	3.86E+02	1.82E+01	1.31E+01	0.00E+00
ADULT	GROUND	2.17E-01	2.17E-01	2.17E-01	2.17E-01	2.17E-01	2.17E-01
ADULT	CLOUD	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06
ADULT	VEG. ING	1.32E+01	1.62E+02	3.46E+01	3.46E+01	3.20E+01	0.00E+00
ADULT	MEAT ING	1.85E+00	2.28E+01	5.43E+00	5.43E+00	4.71E+00	0.00E+00
ADULT	MILK ING	9.81E-01	1.48E+01	1.62E+00	1.62E+00	2.16E+00	0.00E+00
ADULT	TOTALS	8.69E+01	7.43E+02	4.28E+02	6.00E+01	5.21E+01	2.17E-01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 100  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
    TIME STEP NUMBER 2, &NWAREA      DURATION IN YRS IS... 3.0  
 NUMBER 9 NAME-Restricted Area Bound X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

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 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.98E+02	6.18E+02	1.95E+03	1.25E+02	9.96E+01	1.54E+02
INFANT	GROUND	6.86E+00	6.86E+00	6.86E+00	6.86E+00	6.86E+00	6.86E+00
INFANT	CLOUD	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.55E+01	1.15E+02	4.49E+01	4.49E+01	8.03E+01	0.00E+00
INFANT	TOTALS	3.40E+02	7.40E+02	2.00E+03	1.77E+02	1.87E+02	1.61E+02
CHILD	INHAL.	1.45E+02	5.21E+02	9.05E+02	5.06E+01	3.41E+01	1.54E+02
CHILD	GROUND	6.86E+00	6.86E+00	6.86E+00	6.86E+00	6.86E+00	6.86E+00
CHILD	CLOUD	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01
CHILD	VEG. ING	1.45E+01	7.26E+01	5.94E+01	5.94E+01	4.98E+01	0.00E+00
CHILD	MEAT ING	1.62E+00	8.09E+00	7.52E+00	7.52E+00	5.88E+00	0.00E+00
CHILD	MILK ING	3.82E+00	2.44E+01	1.02E+01	1.02E+01	1.24E+01	0.00E+00
CHILD	TOTALS	1.72E+02	6.34E+02	9.89E+02	1.35E+02	1.09E+02	1.61E+02
TEENAGE	INHAL.	9.19E+01	5.79E+02	4.68E+02	2.20E+01	1.71E+01	1.54E+02
TEENAGE	GROUND	6.86E+00	6.86E+00	6.86E+00	6.86E+00	6.86E+00	6.86E+00
TEENAGE	CLOUD	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01
TEENAGE	VEG. ING	2.34E+01	3.90E+02	5.30E+01	5.30E+01	5.09E+01	0.00E+00
TEENAGE	MEAT ING	2.55E+00	4.19E+01	6.58E+00	6.58E+00	5.87E+00	0.00E+00
TEENAGE	MILK ING	5.15E+00	1.09E+02	6.52E+00	6.52E+00	9.48E+00	0.00E+00
TEENAGE	TOTALS	1.30E+02	1.13E+03	5.41E+02	9.52E+01	9.05E+01	1.61E+02
ADULT	INHAL.	7.99E+01	5.43E+02	3.86E+02	1.82E+01	1.31E+01	1.54E+02
ADULT	GROUND	6.86E+00	6.86E+00	6.86E+00	6.86E+00	6.86E+00	6.86E+00
ADULT	CLOUD	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01
ADULT	VEG. ING	1.32E+01	1.62E+02	3.46E+01	3.46E+01	3.20E+01	0.00E+00
ADULT	MEAT ING	1.85E+00	2.28E+01	5.43E+00	5.43E+00	4.71E+00	0.00E+00
ADULT	MILK ING	9.81E-01	1.48E+01	1.62E+00	1.62E+00	2.16E+00	0.00E+00
ADULT	TOTALS	1.03E+02	7.50E+02	4.35E+02	6.69E+01	5.90E+01	1.61E+02

TIME STEP NUMBER 2, &NWAREA

NUMBER 10 NAME-Bailroil X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION. MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.78E-01	4.77E-01	1.13E+00	9.69E-02	7.63E-02	0.00E+00
INFANT	GROUND	1.16E-04	1.16E-04	1.16E-04	1.16E-04	1.16E-04	1.16E-04
INFANT	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.24E-02	7.47E-02	3.45E-02	3.45E-02	4.70E-02	0.00E+00
INFANT	TOTALS	2.00E-01	5.52E-01	1.17E+00	1.31E-01	1.23E-01	1.16E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.35E-02	4.03E-01	5.19E-01	3.91E-02	2.61E-02	0.00E+00
CHILD	GROUND	1.16E-04	1.16E-04	1.16E-04	1.16E-04	1.16E-04	1.16E-04
CHILD	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
CHILD	VEG. ING	1.08E-02	5.41E-02	4.58E-02	4.58E-02	3.61E-02	0.00E+00
CHILD	MEAT ING	1.23E-03	6.12E-03	5.78E-03	5.78E-03	4.39E-03	0.00E+00
CHILD	MILK ING	2.63E-03	1.73E-02	7.80E-03	7.80E-03	7.78E-03	0.00E+00
CHILD	TOTALS	9.83E-02	4.80E-01	5.78E-01	9.86E-02	7.45E-02	1.16E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.26E-02	4.47E-01	2.68E-01	1.70E-02	1.31E-02	0.00E+00
TEENAGE	GROUND	1.16E-04	1.16E-04	1.16E-04	1.16E-04	1.16E-04	1.16E-04
TEENAGE	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
TEENAGE	VEG. ING	1.75E-02	2.89E-01	4.08E-02	4.08E-02	3.69E-02	0.00E+00
TEENAGE	MEAT ING	1.93E-03	3.16E-02	5.06E-03	5.06E-03	4.38E-03	0.00E+00
TEENAGE	MILK ING	3.68E-03	7.75E-02	5.01E-03	5.01E-03	5.95E-03	0.00E+00
TEENAGE	TOTALS	7.59E-02	8.46E-01	3.19E-01	6.81E-02	6.04E-02	1.16E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.52E-02	4.20E-01	2.20E-01	1.41E-02	9.96E-03	0.00E+00
ADULT	GROUND	1.16E-04	1.16E-04	1.16E-04	1.16E-04	1.16E-04	1.16E-04
ADULT	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
ADULT	VEG. ING	9.95E-03	1.21E-01	2.66E-02	2.66E-02	2.33E-02	0.00E+00
ADULT	MEAT ING	1.41E-03	1.73E-02	4.18E-03	4.18E-03	3.53E-03	0.00E+00
ADULT	MILK ING	7.07E-04	1.07E-02	1.24E-03	1.24E-03	1.37E-03	0.00E+00
ADULT	TOTALS	5.74E-02	5.69E-01	2.52E-01	4.62E-02	3.83E-02	1.16E-04



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

PAGE 102  
 02/25/94  
 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 2, 4NWAREA

NUMBER 10 NAME=Bailroii

X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.14E-01	5.05E-01	1.14E+00	2.40E-01	1.32E-01	2.13E+00
INFANT	GROUND	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03
INFANT	CLOUD	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.72E-02	8.41E-02	5.20E-02	5.20E-02	6.24E-02	0.00E+00
INFANT	TOTALS	3.64E-01	6.12E-01	1.21E+00	3.15E-01	2.17E-01	2.15E+00
CHILD	INHAL.	2.16E-01	4.24E-01	5.20E-01	1.03E-01	5.23E-02	2.13E+00
CHILD	GROUND	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03
CHILD	CLOUD	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02
CHILD	VEG. ING	1.55E-02	7.55E-02	7.10E-02	7.10E-02	5.46E-02	0.00E+00
CHILD	MEAT ING	1.83E-03	8.85E-03	9.00E-03	9.00E-03	6.76E-03	0.00E+00
CHILD	MILK ING	3.40E-03	2.08E-02	1.19E-02	1.19E-02	1.08E-02	0.00E+00
CHILD	TOTALS	2.59E-01	5.51E-01	6.34E-01	2.17E-01	1.47E-01	2.15E+00
TEENAGE	INHAL.	1.85E-01	4.99E-01	2.68E-01	4.44E-02	2.62E-02	2.13E+00
TEENAGE	GROUND	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03
TEENAGE	CLOUD	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02
TEENAGE	VEG. ING	2.46E-02	3.93E-01	6.33E-02	6.33E-02	5.55E-02	0.00E+00
TEENAGE	MEAT ING	2.82E-03	4.46E-02	7.87E-03	7.87E-03	6.70E-03	0.00E+00
TEENAGE	MILK ING	4.50E-03	8.96E-02	7.62E-03	7.62E-03	8.10E-03	0.00E+00
TEENAGE	TOTALS	2.39E-01	1.05E+00	3.69E-01	1.46E-01	1.19E-01	2.15E+00
ADULT	INHAL.	1.76E-01	4.50E-01	2.21E-01	3.68E-02	2.09E-02	2.13E+00
ADULT	GROUND	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03	4.66E-03
ADULT	CLOUD	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02
ADULT	VEG. ING	1.42E-02	1.71E-01	4.13E-02	4.13E-02	3.53E-02	0.00E+00
ADULT	MEAT ING	2.09E-03	2.52E-02	6.50E-03	6.50E-03	5.42E-03	0.00E+00
ADULT	MILK ING	8.97E-04	1.29E-02	1.89E-03	1.89E-03	1.91E-03	0.00E+00
ADULT	TOTALS	2.16E-01	6.82E-01	2.93E-01	1.09E-01	8.59E-02	2.15E+00

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 103  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 2, &NWAREA DURATION IN YRS IS... 3.0  
 NUMBER 11 NAME=Jeffrey City X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.63E-01	4.31E-01	1.04E+00	8.75E-02	6.89E-02	0.00E+00
INFANT	GROUND	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04
INFANT	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.05E-02	6.82E-02	3.11E-02	3.11E-02	4.32E-02	0.00E+00
INFANT	TOTALS	1.84E-01	4.99E-01	1.07E+00	1.19E-01	1.12E-01	1.08E-04
CHILD	INHAL.	7.66E-02	3.64E-01	4.78E-01	3.53E-02	2.35E-02	0.00E+00
CHILD	GROUND	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04
CHILD	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
CHILD	VEG. ING	9.75E-03	4.90E-02	4.13E-02	4.13E-02	3.27E-02	0.00E+00
CHILD	MEAT ING	1.11E-03	5.53E-03	5.22E-03	5.22E-03	3.98E-03	0.00E+00
CHILD	MILK ING	2.40E-03	1.57E-02	7.04E-03	7.04E-03	7.13E-03	0.00E+00
CHILD	TOTALS	9.00E-02	4.34E-01	5.32E-01	8.90E-02	6.75E-02	1.08E-04
TEENAGE	INHAL.	4.81E-02	4.04E-01	2.47E-01	1.54E-02	1.18E-02	0.00E+00
TEENAGE	GROUND	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04
TEENAGE	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
TEENAGE	VEG. ING	1.59E-02	2.62E-01	3.69E-02	3.69E-02	3.34E-02	0.00E+00
TEENAGE	MEAT ING	1.75E-03	2.86E-02	4.57E-03	4.57E-03	3.96E-03	0.00E+00
TEENAGE	MILK ING	3.34E-03	7.03E-02	4.52E-03	4.52E-03	5.45E-03	0.00E+00
TEENAGE	TOTALS	6.92E-02	7.65E-01	2.93E-01	6.15E-02	5.48E-02	1.08E-04
ADULT	INHAL.	4.13E-02	3.79E-01	2.03E-01	1.27E-02	9.00E-03	0.00E+00
ADULT	GROUND	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04
ADULT	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
ADULT	VEG. ING	9.00E-03	1.10E-01	2.40E-02	2.40E-02	2.11E-02	0.00E+00
ADULT	MEAT ING	1.27E-03	1.57E-02	3.77E-03	3.77E-03	3.19E-03	0.00E+00
ADULT	MILK ING	6.41E-04	9.68E-03	1.12E-03	1.12E-03	1.26E-03	0.00E+00
ADULT	TOTALS	5.23E-02	5.14E-01	2.32E-01	4.17E-02	3.47E-02	1.08E-04

REGION: Sweetwater Uranium Facility      CODE: MILDOS-AREA (03/89)      PAGE 104  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 2, &NWAREA      DURATION IN YRS IS... 3.0  
 NUMBER 11 NAME-Jeffrey City      X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.14E-01	4.46E-01	1.04E+00	1.65E-01	9.90E-02	7.60E-01
INFANT	GROUND	4.11E-03	4.11E-03	4.11E-03	4.11E-03	4.11E-03	4.11E-03
INFANT	CLOUD	6.56E-03	6.56E-03	6.56E-03	6.56E-03	6.56E-03	6.56E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.31E-02	7.33E-02	4.06E-02	4.06E-02	5.16E-02	0.00E+00
INFANT	TOTALS	2.47E-01	5.30E-01	1.10E+00	2.16E-01	1.61E-01	7.70E-01
CHILD	INHAL.	1.25E-01	3.75E-01	4.79E-01	6.97E-02	3.77E-02	7.60E-01
CHILD	GROUND	4.11E-03	4.11E-03	4.11E-03	4.11E-03	4.11E-03	4.11E-03
CHILD	CLOUD	6.56E-03	6.56E-03	6.56E-03	6.56E-03	6.56E-03	6.56E-03
CHILD	VEG. ING	1.23E-02	6.05E-02	5.49E-02	5.49E-02	4.27E-02	0.00E+00
CHILD	MEAT ING	1.43E-03	7.00E-03	6.96E-03	6.96E-03	5.25E-03	0.00E+00
CHILD	MILK ING	2.81E-03	1.76E-02	9.25E-03	9.25E-03	8.75E-03	0.00E+00
CHILD	TOTALS	1.52E-01	4.71E-01	5.61E-01	1.51E-01	1.05E-01	7.70E-01
TEENAGE	INHAL.	9.61E-02	4.32E-01	2.47E-01	3.01E-02	1.89E-02	7.60E-01
TEENAGE	GROUND	4.11E-03	4.11E-03	4.11E-03	4.11E-03	4.11E-03	4.11E-03
TEENAGE	CLOUD	6.56E-03	6.56E-03	6.56E-03	6.56E-03	6.56E-03	6.56E-03
TEENAGE	VEG. ING	1.97E-02	3.18E-01	4.90E-02	4.90E-02	4.35E-02	0.00E+00
TEENAGE	MEAT ING	2.22E-03	3.56E-02	6.08E-03	6.08E-03	5.21E-03	0.00E+00
TEENAGE	MILK ING	3.78E-03	7.68E-02	5.93E-03	5.93E-03	6.61E-03	0.00E+00
TEENAGE	TOTALS	1.32E-01	8.73E-01	3.19E-01	1.02E-01	8.48E-02	7.70E-01
ADULT	INHAL.	8.89E-02	3.96E-01	2.03E-01	2.50E-02	1.49E-02	7.60E-01
ADULT	GROUND	4.11E-03	4.11E-03	4.11E-03	4.11E-03	4.11E-03	4.11E-03
ADULT	CLOUD	6.56E-03	6.56E-03	6.56E-03	6.56E-03	6.56E-03	6.56E-03
ADULT	VEG. ING	1.13E-02	1.36E-01	3.20E-02	3.20E-02	2.76E-02	0.00E+00
ADULT	MEAT ING	1.64E-03	1.99E-02	5.02E-03	5.02E-03	4.21E-03	0.00E+00
ADULT	MILK ING	7.43E-04	1.09E-02	1.47E-03	1.47E-03	1.54E-03	0.00E+00
ADULT	TOTALS	1.13E-01	5.73E-01	2.53E-01	7.41E-02	5.89E-02	7.70E-01

NUMBER 12 NAME=Rawlins X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.35E-02	8.89E-02	2.14E-01	1.81E-02	1.42E-02	0.00E+00
INFANT	GROUND	2.21E-05	2.21E-05	2.21E-05	2.21E-05	2.21E-05	2.21E-05
INFANT	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.22E-03	1.40E-02	6.42E-03	6.42E-03	8.88E-03	0.00E+00
INFANT	TOTALS	3.78E-02	1.03E-01	2.21E-01	2.45E-02	2.31E-02	2.21E-05
CHILD	INHAL.	1.57E-02	7.50E-02	9.82E-02	7.28E-03	4.86E-03	0.00E+00
CHILD	GROUND	2.21E-05	2.21E-05	2.21E-05	2.21E-05	2.21E-05	2.21E-05
CHILD	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
CHILD	VEG. ING	2.01E-03	1.01E-02	8.53E-03	8.53E-03	6.75E-03	0.00E+00
CHILD	MEAT ING	2.29E-04	1.14E-03	1.08E-03	1.08E-03	8.20E-04	0.00E+00
CHILD	MILK ING	4.93E-04	3.24E-03	1.45E-03	1.45E-03	1.47E-03	0.00E+00
CHILD	TOTALS	1.85E-02	8.95E-02	1.09E-01	1.84E-02	1.39E-02	2.21E-05
TEENAGE	INHAL.	9.89E-03	8.33E-02	5.06E-02	3.17E-03	2.43E-03	0.00E+00
TEENAGE	GROUND	2.21E-05	2.21E-05	2.21E-05	2.21E-05	2.21E-05	2.21E-05
TEENAGE	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
TEENAGE	VEG. ING	3.27E-03	5.39E-02	7.61E-03	7.61E-03	6.89E-03	0.00E+00
TEENAGE	MEAT ING	3.61E-04	5.89E-03	9.42E-04	9.42E-04	8.17E-04	0.00E+00
TEENAGE	MILK ING	6.88E-04	1.45E-02	9.33E-04	9.33E-04	1.12E-03	0.00E+00
TEENAGE	TOTALS	1.42E-02	1.58E-01	6.01E-02	1.27E-02	1.13E-02	2.21E-05
ADULT	INHAL.	8.50E-03	7.82E-02	4.17E-02	2.62E-03	1.86E-03	0.00E+00
ADULT	GROUND	2.21E-05	2.21E-05	2.21E-05	2.21E-05	2.21E-05	2.21E-05
ADULT	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
ADULT	VEG. ING	1.86E-03	2.27E-02	4.96E-03	4.96E-03	4.36E-03	0.00E+00
ADULT	MEAT ING	2.63E-04	3.23E-03	7.78E-04	7.78E-04	6.58E-04	0.00E+00
ADULT	MILK ING	1.32E-04	1.99E-03	2.31E-04	2.31E-04	2.59E-04	0.00E+00
ADULT	TOTALS	1.08E-02	1.06E-01	4.77E-02	8.61E-03	7.15E-03	2.21E-05

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 106  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 2,      &NWAREA      DURATION IN YRS IS... 3.0  
 NUMBER 12 NAME=Rawlins      X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.61E-02	9.62E-02	2.15E-01	5.57E-02	2.89E-02	3.38E-01
INFANT	GROUND	8.71E-04	8.71E-04	8.71E-04	8.71E-04	8.71E-04	8.71E-04
INFANT	CLOUD	2.91E-03	2.91E-03	2.91E-03	2.91E-03	2.91E-03	2.91E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.47E-03	1.65E-02	1.10E-02	1.10E-02	1.29E-02	0.00E+00
INFANT	TOTALS	6.54E-02	1.16E-01	2.30E-01	7.05E-02	4.56E-02	3.41E-01
CHILD	INHAL.	3.72E-02	8.05E-02	9.86E-02	2.40E-02	1.18E-02	3.38E-01
CHILD	GROUND	8.71E-04	8.71E-04	8.71E-04	8.71E-04	8.71E-04	8.71E-04
CHILD	CLOUD	2.91E-03	2.91E-03	2.91E-03	2.91E-03	2.91E-03	2.91E-03
CHILD	VEG. ING	3.25E-03	1.57E-02	1.51E-02	1.51E-02	1.16E-02	0.00E+00
CHILD	MEAT ING	3.87E-04	1.86E-03	1.92E-03	1.92E-03	1.44E-03	0.00E+00
CHILD	MILK ING	6.95E-04	4.15E-03	2.53E-03	2.53E-03	2.25E-03	0.00E+00
CHILD	TOTALS	4.53E-02	1.06E-01	1.22E-01	4.74E-02	3.08E-02	3.41E-01
TEENAGE	INHAL.	3.13E-02	9.69E-02	5.08E-02	1.03E-02	5.88E-03	3.38E-01
TEENAGE	GROUND	8.71E-04	8.71E-04	8.71E-04	8.71E-04	8.71E-04	8.71E-04
TEENAGE	CLOUD	2.91E-03	2.91E-03	2.91E-03	2.91E-03	2.91E-03	2.91E-03
TEENAGE	VEG. ING	5.13E-03	8.12E-02	1.35E-02	1.35E-02	1.18E-02	0.00E+00
TEENAGE	MEAT ING	5.92E-04	9.30E-03	1.68E-03	1.68E-03	1.43E-03	0.00E+00
TEENAGE	MILK ING	9.03E-04	1.77E-02	1.62E-03	1.62E-03	1.69E-03	0.00E+00
TEENAGE	TOTALS	4.17E-02	2.09E-01	7.14E-02	3.09E-02	2.45E-02	3.41E-01
ADULT	INHAL.	2.97E-02	8.62E-02	4.18E-02	8.60E-03	4.73E-03	3.38E-01
ADULT	GROUND	8.71E-04	8.71E-04	8.71E-04	8.71E-04	8.71E-04	8.71E-04
ADULT	CLOUD	2.91E-03	2.91E-03	2.91E-03	2.91E-03	2.91E-03	2.91E-03
ADULT	VEG. ING	2.98E-03	3.56E-02	8.81E-03	8.81E-03	7.49E-03	0.00E+00
ADULT	MEAT ING	4.40E-04	5.28E-03	1.39E-03	1.39E-03	1.15E-03	0.00E+00
ADULT	MILK ING	1.82E-04	2.57E-03	4.02E-04	4.02E-04	3.98E-04	0.00E+00
ADULT	TOTALS	3.71E-02	1.33E-01	5.62E-02	2.30E-02	1.76E-02	3.41E-01

NUMBER 13 NAME=Special Receptor #1 X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.43E+02	4.53E+02	8.60E+02	9.21E+01	7.21E+01	0.00E+00
INFANT	GROUND	8.09E-02	8.09E-02	8.09E-02	8.09E-02	8.09E-02	8.09E-02
INFANT	CLOUD	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.84E+01	6.28E+01	3.26E+01	3.26E+01	3.59E+01	0.00E+00
INFANT	TOTALS	1.61E+02	5.16E+02	8.93E+02	1.25E+02	1.08E+02	8.09E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.68E+01	3.83E+02	3.89E+02	3.72E+01	2.46E+01	0.00E+00
CHILD	GROUND	8.09E-02	8.09E-02	8.09E-02	8.09E-02	8.09E-02	8.09E-02
CHILD	CLOUD	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06
CHILD	VEG. ING	1.00E+01	5.02E+01	4.34E+01	4.34E+01	3.30E+01	0.00E+00
CHILD	MEAT ING	1.15E+00	5.74E+00	5.48E+00	5.48E+00	4.09E+00	0.00E+00
CHILD	MILK ING	2.32E+00	1.56E+01	7.38E+00	7.38E+00	6.34E+00	0.00E+00
CHILD	TOTALS	8.04E+01	4.54E+02	4.45E+02	9.35E+01	6.80E+01	8.09E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.34E+01	4.25E+02	2.00E+02	1.62E+01	1.23E+01	0.00E+00
TEENAGE	GROUND	8.09E-02	8.09E-02	8.09E-02	8.09E-02	8.09E-02	8.09E-02
TEENAGE	CLOUD	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06
TEENAGE	VEG. ING	1.63E+01	2.67E+02	3.87E+01	3.87E+01	3.36E+01	0.00E+00
TEENAGE	MEAT ING	1.82E+00	2.96E+01	4.79E+00	4.79E+00	4.07E+00	0.00E+00
TEENAGE	MILK ING	3.33E+00	6.98E+01	4.74E+00	4.74E+00	4.85E+00	0.00E+00
TEENAGE	TOTALS	6.50E+01	7.92E+02	2.48E+02	6.45E+01	5.49E+01	8.09E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.75E+01	3.99E+02	1.64E+02	1.34E+01	9.38E+00	0.00E+00
ADULT	GROUND	8.09E-02	8.09E-02	8.09E-02	8.09E-02	8.09E-02	8.09E-02
ADULT	CLOUD	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06
ADULT	VEG. ING	9.31E+00	1.13E+02	2.52E+01	2.52E+01	2.14E+01	0.00E+00
ADULT	MEAT ING	1.33E+00	1.63E+01	3.96E+00	3.96E+00	3.29E+00	0.00E+00
ADULT	MILK ING	6.42E-01	9.72E+00	1.18E+00	1.18E+00	1.14E+00	0.00E+00
ADULT	TOTALS	4.88E+01	5.38E+02	1.94E+02	4.38E+01	3.52E+01	8.09E-02

NUMBER 13 NAME-Special Receptor #1 X- 1.4KM, Y- 1.0KM, Z- 0.8M, DIST- 1.7KM, IRTYPE-10

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 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.67E+02	4.53E+02	8.60E+02	9.21E+01	7.21E+01	4.03E+02
INFANT	GROUND	3.67E+00	3.67E+00	3.67E+00	3.67E+00	3.67E+00	3.67E+00
INFANT	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.84E+01	6.28E+01	3.26E+01	3.26E+01	3.59E+01	0.00E+00
INFANT	TOTALS	1.89E+02	5.20E+02	8.96E+02	1.29E+02	1.12E+02	4.06E+02
CHILD	INHAL.	9.10E+01	3.83E+02	3.89E+02	3.72E+01	2.46E+01	4.03E+02
CHILD	GROUND	3.67E+00	3.67E+00	3.67E+00	3.67E+00	3.67E+00	3.67E+00
CHILD	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
CHILD	VEG. ING	1.00E+01	5.02E+01	4.34E+01	4.34E+01	3.30E+01	0.00E+00
CHILD	MEAT ING	1.15E+00	5.74E+00	5.48E+00	5.48E+00	4.09E+00	0.00E+00
CHILD	MILK ING	2.32E+00	1.56E+01	7.38E+00	7.38E+00	6.34E+00	0.00E+00
CHILD	TOTALS	1.08E+02	4.58E+02	4.49E+02	9.72E+01	7.18E+01	4.06E+02
TEENAGE	INHAL.	6.76E+01	4.25E+02	2.00E+02	1.62E+01	1.23E+01	4.03E+02
TEENAGE	GROUND	3.67E+00	3.67E+00	3.67E+00	3.67E+00	3.67E+00	3.67E+00
TEENAGE	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
TEENAGE	VEG. ING	1.63E+01	2.67E+02	3.87E+01	3.87E+01	3.36E+01	0.00E+00
TEENAGE	MEAT ING	1.82E+00	2.96E+01	4.79E+00	4.79E+00	4.07E+00	0.00E+00
TEENAGE	MILK ING	3.33E+00	6.98E+01	4.74E+00	4.74E+00	4.85E+00	0.00E+00
TEENAGE	TOTALS	9.29E+01	7.95E+02	2.52E+02	6.82E+01	5.86E+01	4.06E+02
ADULT	INHAL.	6.16E+01	3.99E+02	1.64E+02	1.34E+01	9.38E+00	4.03E+02
ADULT	GROUND	3.67E+00	3.67E+00	3.67E+00	3.67E+00	3.67E+00	3.67E+00
ADULT	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
ADULT	VEG. ING	9.31E+00	1.13E+02	2.52E+01	2.52E+01	2.14E+01	0.00E+00
ADULT	MEAT ING	1.33E+00	1.63E+01	3.96E+00	3.96E+00	3.29E+00	0.00E+00
ADULT	MILK ING	6.42E-01	9.72E+00	1.18E+00	1.18E+00	1.14E+00	0.00E+00
ADULT	TOTALS	7.67E+01	5.42E+02	1.98E+02	4.75E+01	3.90E+01	4.06E+02

TIME STEP NUMBER 2, &NWAREA

NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.88E+01	1.14E+02	2.40E+02	2.31E+01	1.82E+01	0.00E+00
INFANT	GROUND	2.37E-02	2.37E-02	2.37E-02	2.37E-02	2.37E-02	2.37E-02
INFANT	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.96E+00	1.67E+01	8.21E+00	8.21E+00	1.00E+01	0.00E+00
INFANT	TOTALS	4.38E+01	1.31E+02	2.49E+02	3.14E+01	2.82E+01	2.37E-02
CHILD	INHAL.	1.82E+01	9.61E+01	1.09E+02	9.33E+00	6.20E+00	0.00E+00
CHILD	GROUND	2.37E-02	2.37E-02	2.37E-02	2.37E-02	2.37E-02	2.37E-02
CHILD	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
CHILD	VEG. ING	2.54E+00	1.28E+01	1.09E+01	1.09E+01	8.43E+00	0.00E+00
CHILD	MEAT ING	2.91E-01	1.45E+00	1.38E+00	1.38E+00	1.04E+00	0.00E+00
CHILD	MILK ING	6.03E-01	4.02E+00	1.86E+00	1.86E+00	1.71E+00	0.00E+00
CHILD	TOTALS	2.16E+01	1.14E+02	1.24E+02	2.35E+01	1.74E+01	2.37E-02
TEENAGE	INHAL.	1.16E+01	1.07E+02	5.63E+01	4.07E+00	3.10E+00	0.00E+00
TEENAGE	GROUND	2.37E-02	2.37E-02	2.37E-02	2.37E-02	2.37E-02	2.37E-02
TEENAGE	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
TEENAGE	VEG. ING	4.14E+00	6.80E+01	9.74E+00	9.74E+00	8.61E+00	0.00E+00
TEENAGE	MEAT ING	4.59E-01	7.48E+00	1.21E+00	1.21E+00	1.03E+00	0.00E+00
TEENAGE	MILK ING	8.55E-01	1.80E+01	1.19E+00	1.19E+00	1.31E+00	0.00E+00
TEENAGE	TOTALS	1.71E+01	2.00E+02	6.85E+01	1.62E+01	1.41E+01	2.37E-02
ADULT	INHAL.	1.00E+01	1.00E+02	4.63E+01	3.36E+00	2.37E+00	0.00E+00
ADULT	GROUND	2.37E-02	2.37E-02	2.37E-02	2.37E-02	2.37E-02	2.37E-02
ADULT	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
ADULT	VEG. ING	2.36E+00	2.87E+01	6.35E+00	6.35E+00	5.46E+00	0.00E+00
ADULT	MEAT ING	3.35E-01	4.11E+00	9.96E-01	9.96E-01	8.33E-01	0.00E+00
ADULT	MILK ING	1.65E-01	2.49E+00	2.96E-01	2.96E-01	3.05E-01	0.00E+00
ADULT	TOTALS	1.29E+01	1.36E+02	5.39E+01	1.10E+01	8.98E+00	2.37E-02



NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.59E+01	1.14E+02	2.40E+02	2.32E+01	1.82E+01	1.18E+02
INFANT	GROUND	9.84E-01	9.84E-01	9.84E-01	9.84E-01	9.84E-01	9.84E-01
INFANT	CLOUD	2.28E-01	2.28E-01	2.28E-01	2.28E-01	2.28E-01	2.28E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.96E+00	1.67E+01	8.21E+00	8.21E+00	1.00E+01	0.00E+00
INFANT	TOTALS	5.21E+01	1.32E+02	2.50E+02	3.26E+01	2.94E+01	1.19E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.53E+01	9.61E+01	1.09E+02	9.36E+00	6.21E+00	1.18E+02
CHILD	GROUND	9.84E-01	9.84E-01	9.84E-01	9.84E-01	9.84E-01	9.84E-01
CHILD	CLOUD	2.28E-01	2.28E-01	2.28E-01	2.28E-01	2.28E-01	2.28E-01
CHILD	VEG. ING	2.54E+00	1.28E+01	1.09E+01	1.09E+01	8.44E+00	0.00E+00
CHILD	MEAT ING	2.91E-01	1.45E+00	1.38E+00	1.38E+00	1.04E+00	0.00E+00
CHILD	MILK ING	6.04E-01	4.02E+00	1.86E+00	1.86E+00	1.71E+00	0.00E+00
CHILD	TOTALS	2.99E+01	1.16E+02	1.25E+02	2.47E+01	1.86E+01	1.19E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.87E+01	1.07E+02	5.63E+01	4.08E+00	3.11E+00	1.18E+02
TEENAGE	GROUND	9.84E-01	9.84E-01	9.84E-01	9.84E-01	9.84E-01	9.84E-01
TEENAGE	CLOUD	2.28E-01	2.28E-01	2.28E-01	2.28E-01	2.28E-01	2.28E-01
TEENAGE	VEG. ING	4.15E+00	6.80E+01	9.74E+00	9.74E+00	8.62E+00	0.00E+00
TEENAGE	MEAT ING	4.59E-01	7.48E+00	1.21E+00	1.21E+00	1.03E+00	0.00E+00
TEENAGE	MILK ING	8.55E-01	1.80E+01	1.19E+00	1.19E+00	1.31E+00	0.00E+00
TEENAGE	TOTALS	2.54E+01	2.01E+02	6.97E+01	1.74E+01	1.53E+01	1.19E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.71E+01	1.00E+02	4.63E+01	3.37E+00	2.37E+00	1.18E+02
ADULT	GROUND	9.84E-01	9.84E-01	9.84E-01	9.84E-01	9.84E-01	9.84E-01
ADULT	CLOUD	2.28E-01	2.28E-01	2.28E-01	2.28E-01	2.28E-01	2.28E-01
ADULT	VEG. ING	2.36E+00	2.87E+01	6.35E+00	6.35E+00	5.46E+00	0.00E+00
ADULT	MEAT ING	3.35E-01	4.12E+00	9.97E-01	9.97E-01	8.34E-01	0.00E+00
ADULT	MILK ING	1.65E-01	2.49E+00	2.96E-01	2.96E-01	3.05E-01	0.00E+00
ADULT	TOTALS	2.12E+01	1.37E+02	5.51E+01	1.22E+01	1.02E+01	1.19E+02

TIME STEP NUMBER 3, NEX = C, NAS = 1, N DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.301E-03	1.408E-02	1.408E-02	1.405E-02	1.590E+02	1.462E+02	6.058E+01	2.388E+01	1.644E-05	5.468E-04
2.5	2.509E-03	5.598E-03	5.598E-03	5.585E-03	7.598E+01	7.250E+01	3.954E+01	2.192E+01	2.690E-05	3.569E-04
3.5	1.327E-03	2.865E-03	2.865E-03	2.859E-03	4.495E+01	4.384E+01	2.818E+01	1.907E+01	3.697E-05	2.592E-04
4.5	8.108E-04	1.704E-03	1.704E-03	1.700E-03	3.020E+01	2.979E+01	2.117E+01	1.600E+01	4.435E-05	1.977E-04
7.5	2.899E-04	6.062E-04	6.062E-04	6.048E-04	1.457E+01	1.453E+01	1.194E+01	1.022E+01	5.811E-05	1.136E-04
15.0	7.072E-05	1.475E-04	1.475E-04	1.472E-04	5.354E+00	5.356E+00	4.962E+00	4.567E+00	6.201E-05	4.771E-05
25.0	2.581E-05	5.376E-05	5.376E-05	5.363E-05	2.582E+00	2.583E+00	2.516E+00	2.422E+00	5.841E-05	2.445E-05
35.0	1.373E-05	2.860E-05	2.860E-05	2.853E-05	1.615E+00	1.616E+00	1.601E+00	1.572E+00	5.539E-05	1.565E-05
45.0	8.557E-06	1.783E-05	1.783E-05	1.779E-05	1.134E+00	1.134E+00	1.132E+00	1.123E+00	5.260E-05	1.110E-05
55.0	5.855E-06	1.220E-05	1.220E-05	1.218E-05	8.521E-01	8.526E-01	8.538E-01	8.511E-01	5.013E-05	8.381E-06
65.0	4.261E-06	8.886E-06	8.886E-06	8.866E-06	6.698E-01	6.702E-01	6.723E-01	6.721E-01	4.796E-05	6.606E-06
75.0	3.241E-06	6.763E-06	6.762E-06	6.747E-06	5.436E-01	5.439E-01	5.461E-01	5.468E-01	4.603E-05	5.368E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Pb-210	
1.5	1.012E+04	1.964E+04	1.961E+04	1.961E+04	0.000E+00	1.973E+04	1.973E+04	1.973E+04	9.229E+00
2.5	4.029E+03	7.812E+03	7.800E+03	7.800E+03	0.000E+00	7.857E+03	7.857E+03	7.857E+03	1.515E+01
3.5	2.133E+03	4.018E+03	4.011E+03	4.011E+03	0.000E+00	4.046E+03	4.046E+03	4.046E+03	2.082E+01
4.5	1.305E+03	2.399E+03	2.395E+03	2.395E+03	0.000E+00	2.419E+03	2.419E+03	2.419E+03	2.498E+01
7.5	4.668E+02	8.542E+02	8.528E+02	8.528E+02	0.000E+00	8.643E+02	8.643E+02	8.643E+02	3.275E+01
15.0	1.139E+02	2.079E+02	2.076E+02	2.076E+02	0.000E+00	2.118E+02	2.118E+02	2.118E+02	3.509E+01
25.0	4.157E+01	7.579E+01	7.567E+01	7.567E+01	0.000E+00	7.771E+01	7.771E+01	7.771E+01	3.320E+01
35.0	2.211E+01	4.032E+01	4.025E+01	4.025E+01	0.000E+00	4.153E+01	4.153E+01	4.153E+01	3.158E+01
45.0	1.378E+01	2.514E+01	2.510E+01	2.510E+01	0.000E+00	2.599E+01	2.599E+01	2.599E+01	3.005E+01
55.0	9.429E+00	1.720E+01	1.718E+01	1.718E+01	0.000E+00	1.785E+01	1.785E+01	1.785E+01	2.869E+01
65.0	6.862E+00	1.253E+01	1.251E+01	1.251E+01	0.000E+00	1.304E+01	1.304E+01	1.304E+01	2.748E+01
75.0	5.219E+00	9.532E+00	9.516E+00	9.516E+00	0.000E+00	9.947E+00	9.947E+00	9.947E+00	2.641E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.301E-05	1.408E-04	1.408E-04	1.405E-04
2.5	2.509E-05	5.598E-05	5.598E-05	5.593E-05
3.5	1.327E-05	2.865E-05	2.865E-05	2.870E-05
4.5	8.108E-06	1.704E-05	1.704E-05	1.713E-05
7.5	2.899E-06	6.062E-06	6.062E-06	6.222E-06
15.0	7.072E-07	1.475E-06	1.475E-06	1.658E-06
25.0	2.581E-07	5.376E-07	5.376E-07	7.116E-07
35.0	1.373E-07	2.860E-07	2.860E-07	4.515E-07
45.0	8.557E-08	1.783E-07	1.783E-07	3.357E-07
55.0	5.855E-08	1.220E-07	1.220E-07	2.722E-07
65.0	4.261E-08	8.886E-08	8.886E-08	2.325E-07
75.0	3.241E-08	6.763E-08	6.762E-08	2.056E-07

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.091E-03	2.696E-02	2.696E-02	2.690E-02	3.227E+02	2.293E+02	4.045E+01	7.020E+00	1.890E-06	4.674E-04
2.5	2.935E-03	1.012E-02	1.012E-02	1.009E-02	1.404E+02	1.231E+02	4.680E+01	1.872E+01	1.387E-05	4.339E-04
3.5	1.537E-03	4.352E-03	4.352E-03	4.341E-03	6.649E+01	6.235E+01	3.186E+01	1.817E+01	2.548E-05	2.935E-04
4.5	9.549E-04	2.499E-03	2.499E-03	2.494E-03	4.208E+01	4.065E+01	2.421E+01	1.630E+01	3.525E-05	2.254E-04
7.5	3.566E-04	8.383E-04	8.383E-04	8.364E-04	1.751E+01	1.738E+01	1.277E+01	1.018E+01	4.939E-05	1.206E-04
15.0	9.315E-05	2.047E-04	2.047E-04	2.042E-04	5.835E+00	5.837E+00	5.123E+00	4.495E+00	5.306E-05	4.875E-05
25.0	3.517E-05	7.551E-05	7.551E-05	7.533E-05	2.713E+00	2.715E+00	2.578E+00	2.412E+00	4.990E-05	2.486E-05
35.0	1.880E-05	3.999E-05	3.999E-05	3.990E-05	1.667E+00	1.668E+00	1.631E+00	1.574E+00	4.728E-05	1.586E-05
45.0	1.174E-05	2.492E-05	2.492E-05	2.486E-05	1.166E+00	1.167E+00	1.155E+00	1.133E+00	4.512E-05	1.128E-05
55.0	8.039E-06	1.710E-05	1.709E-05	1.706E-05	8.786E-01	8.791E-01	8.763E-01	8.671E-01	4.336E-05	8.582E-06
65.0	5.854E-06	1.247E-05	1.247E-05	1.244E-05	6.921E-01	6.925E-01	6.927E-01	6.891E-01	4.171E-05	6.796E-06
75.0	4.454E-06	9.498E-06	9.498E-06	9.476E-06	5.627E-01	5.631E-01	5.643E-01	5.632E-01	4.020E-05	5.542E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.104E+04	3.537E+04	3.531E+04	3.531E+04	0.000E+00	3.550E+04	3.550E+04	3.550E+04	1.096E+00
2.5	4.601E+03	1.340E+04	1.338E+04	1.338E+04	0.000E+00	1.347E+04	1.347E+04	1.347E+04	7.844E+00
3.5	2.440E+03	5.886E+03	5.877E+03	5.877E+03	0.000E+00	5.926E+03	5.926E+03	5.926E+03	1.437E+01
4.5	1.522E+03	3.413E+03	3.408E+03	3.408E+03	0.000E+00	3.440E+03	3.440E+03	3.440E+03	1.986E+01
7.5	5.714E+02	1.161E+03	1.159E+03	1.159E+03	0.000E+00	1.173E+03	1.173E+03	1.173E+03	2.782E+01
15.0	1.497E+02	2.863E+02	2.858E+02	2.858E+02	0.000E+00	2.904E+02	2.904E+02	2.904E+02	3.002E+01
25.0	5.657E+01	1.060E+02	1.058E+02	1.058E+02	0.000E+00	1.080E+02	1.080E+02	1.080E+02	2.837E+01
35.0	3.025E+01	5.621E+01	5.612E+01	5.612E+01	0.000E+00	5.744E+01	5.744E+01	5.744E+01	2.696E+01
45.0	1.889E+01	3.503E+01	3.498E+01	3.498E+01	0.000E+00	3.590E+01	3.590E+01	3.590E+01	2.579E+01
55.0	1.294E+01	2.403E+01	2.399E+01	2.399E+01	0.000E+00	2.468E+01	2.468E+01	2.468E+01	2.482E+01
65.0	9.419E+00	1.752E+01	1.749E+01	1.749E+01	0.000E+00	1.804E+01	1.804E+01	1.804E+01	2.390E+01
75.0	7.166E+00	1.334E+01	1.332E+01	1.332E+01	0.000E+00	1.377E+01	1.377E+01	1.377E+01	2.305E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.091E-05	2.696E-04	2.696E-04	2.690E-04
2.5	2.935E-05	1.012E-04	1.012E-04	1.010E-04
3.5	1.537E-05	4.352E-05	4.352E-05	4.349E-05
4.5	9.549E-06	2.499E-05	2.499E-05	2.504E-05
7.5	3.566E-06	8.383E-06	8.383E-06	8.512E-06
15.0	9.315E-07	2.047E-06	2.047E-06	2.201E-06
25.0	3.517E-07	7.551E-07	7.551E-07	9.031E-07
35.0	1.880E-07	3.999E-07	3.999E-07	5.408E-07
45.0	1.174E-07	2.492E-07	2.492E-07	3.840E-07
55.0	8.039E-08	1.710E-07	1.709E-07	3.006E-07
65.0	5.854E-08	1.247E-07	1.247E-07	2.495E-07
75.0	4.454E-08	9.498E-08	9.498E-08	2.153E-07

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.558E-03	8.017E-03	8.017E-03	7.998E-03	7.596E+01	5.007E+01	9.285E+00	1.925E+00	6.731E-07	1.058E-04
2.5	1.729E-03	5.121E-03	5.121E-03	5.109E-03	6.630E+01	5.633E+01	2.037E+01	8.391E+00	6.708E-06	1.926E-04
3.5	9.467E-04	2.483E-03	2.483E-03	2.477E-03	3.585E+01	3.327E+01	1.626E+01	9.266E+00	1.348E-05	1.512E-04
4.5	5.962E-04	1.481E-03	1.481E-03	1.478E-03	2.378E+01	2.288E+01	1.318E+01	8.813E+00	1.954E-05	1.232E-04
7.5	2.251E-04	5.180E-04	5.180E-04	5.168E-04	1.060E+01	1.053E+01	7.659E+00	6.070E+00	2.984E-05	7.232E-05
15.0	5.870E-05	1.285E-04	1.285E-04	1.282E-04	3.741E+00	3.742E+00	3.304E+00	2.908E+00	3.480E-05	3.145E-05
25.0	2.208E-05	4.744E-05	4.744E-05	4.733E-05	1.784E+00	1.785E+00	1.705E+00	1.604E+00	3.396E-05	1.647E-05
35.0	1.180E-05	2.513E-05	2.513E-05	2.507E-05	1.108E+00	1.108E+00	1.089E+00	1.056E+00	3.263E-05	1.060E-05
45.0	7.366E-06	1.561E-05	1.561E-05	1.557E-05	7.750E-01	7.755E-01	7.705E-01	7.586E-01	3.121E-05	7.535E-06
55.0	5.044E-06	1.069E-05	1.069E-05	1.067E-05	5.836E-01	5.840E-01	5.834E-01	5.790E-01	2.998E-05	5.719E-06
65.0	3.673E-06	7.803E-06	7.803E-06	7.785E-06	4.603E-01	4.605E-01	4.613E-01	4.600E-01	2.887E-05	4.529E-06
75.0	2.795E-06	5.947E-06	5.947E-06	5.933E-06	3.744E-01	3.747E-01	3.759E-01	3.758E-01	2.784E-05	3.693E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	5.711E+03	1.117E+04	1.115E+04	1.115E+04	0.000E+00	1.119E+04	1.119E+04	1.119E+04	4.002E-01	
2.5	2.736E+03	6.891E+03	6.880E+03	6.880E+03	0.000E+00	6.925E+03	6.925E+03	6.925E+03	3.800E+00	
3.5	1.509E+03	3.390E+03	3.385E+03	3.385E+03	0.000E+00	3.411E+03	3.411E+03	3.411E+03	7.603E+00	
4.5	9.526E+02	2.037E+03	2.034E+03	2.034E+03	0.000E+00	2.052E+03	2.052E+03	2.052E+03	1.101E+01	
7.5	3.609E+02	7.197E+02	7.185E+02	7.185E+02	0.000E+00	7.268E+02	7.268E+02	7.268E+02	1.680E+01	
15.0	9.434E+01	1.798E+02	1.795E+02	1.795E+02	0.000E+00	1.825E+02	1.825E+02	1.825E+02	1.968E+01	
25.0	3.551E+01	6.657E+01	6.646E+01	6.646E+01	0.000E+00	6.788E+01	6.788E+01	6.788E+01	1.929E+01	
35.0	1.899E+01	3.531E+01	3.526E+01	3.526E+01	0.000E+00	3.613E+01	3.613E+01	3.613E+01	1.859E+01	
45.0	1.185E+01	2.195E+01	2.192E+01	2.192E+01	0.000E+00	2.253E+01	2.253E+01	2.253E+01	1.782E+01	
55.0	8.118E+00	1.504E+01	1.501E+01	1.501E+01	0.000E+00	1.547E+01	1.547E+01	1.547E+01	1.715E+01	
65.0	5.911E+00	1.097E+01	1.095E+01	1.095E+01	0.000E+00	1.132E+01	1.132E+01	1.132E+01	1.653E+01	
75.0	4.497E+00	8.357E+00	8.344E+00	8.344E+00	0.000E+00	8.640E+00	8.640E+00	8.640E+00	1.596E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.558E-05	8.017E-05	8.017E-05	7.998E-05
2.5	1.729E-05	5.121E-05	5.121E-05	5.111E-05
3.5	9.467E-06	2.483E-05	2.483E-05	2.481E-05
4.5	5.962E-06	1.481E-05	1.481E-05	1.484E-05
7.5	2.251E-06	5.180E-06	5.180E-06	5.257E-06
15.0	5.870E-07	1.285E-06	1.285E-06	1.386E-06
25.0	2.208E-07	4.744E-07	4.744E-07	5.752E-07
35.0	1.180E-07	2.513E-07	2.513E-07	3.486E-07
45.0	7.366E-08	1.561E-07	1.561E-07	2.494E-07
55.0	5.044E-08	1.069E-07	1.069E-07	1.966E-07
65.0	3.673E-08	7.803E-08	7.803E-08	1.645E-07
75.0	2.795E-08	5.947E-08	5.947E-08	1.428E-07

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0  
 CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.208E-04	2.531E-03	2.531E-03	2.525E-03	4.145E+01	3.974E+01	2.074E+01	1.119E+01	1.356E-05	1.878E-04
2.5	3.131E-04	9.955E-04	9.955E-04	9.932E-04	1.893E+01	1.857E+01	1.187E+01	7.909E+00	1.518E-05	1.088E-04
3.5	1.648E-04	4.932E-04	4.932E-04	4.921E-04	1.082E+01	1.072E+01	7.746E+00	5.829E+00	1.603E-05	7.206E-05
4.5	9.894E-05	2.959E-04	2.959E-04	2.952E-04	7.484E+00	7.449E+00	5.796E+00	4.674E+00	1.706E-05	5.449E-05
7.5	3.174E-05	9.379E-05	9.379E-05	9.357E-05	3.351E+00	3.349E+00	2.927E+00	2.590E+00	1.743E-05	2.795E-05
15.0	6.034E-06	1.698E-05	1.698E-05	1.694E-05	1.074E+00	1.075E+00	1.031E+00	9.803E-01	1.505E-05	9.993E-06
25.0	1.834E-06	4.709E-06	4.709E-06	4.698E-06	4.680E-01	4.683E-01	4.641E-01	4.565E-01	1.272E-05	4.538E-06
35.0	8.772E-07	2.084E-06	2.084E-06	2.079E-06	2.748E-01	2.750E-01	2.749E-01	2.736E-01	1.133E-05	2.698E-06
45.0	5.075E-07	1.137E-06	1.137E-06	1.135E-06	1.852E-01	1.853E-01	1.858E-01	1.858E-01	1.036E-05	1.826E-06
55.0	3.275E-07	7.025E-07	7.025E-07	7.009E-07	1.351E-01	1.352E-01	1.358E-01	1.360E-01	9.618E-06	1.335E-06
65.0	2.271E-07	4.709E-07	4.709E-07	4.698E-07	1.039E-01	1.039E-01	1.044E-01	1.047E-01	9.026E-06	1.027E-06
75.0	1.659E-07	3.360E-07	3.360E-07	3.355E-07	8.297E-02	8.302E-02	8.343E-02	8.370E-02	8.552E-06	8.207E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.128E+03	3.345E+03	3.340E+03	3.340E+03	0.000E+00	3.372E+03	3.372E+03	3.372E+03	3.372E+03	7.569E+00
2.5	4.934E+02	1.329E+03	1.327E+03	1.327E+03	0.000E+00	1.342E+03	1.342E+03	1.342E+03	1.342E+03	8.489E+00
3.5	2.607E+02	6.629E+02	6.619E+02	6.619E+02	0.000E+00	6.703E+02	6.703E+02	6.703E+02	6.703E+02	8.969E+00
4.5	1.565E+02	3.978E+02	3.971E+02	3.971E+02	0.000E+00	4.030E+02	4.030E+02	4.030E+02	4.030E+02	9.552E+00
7.5	5.025E+01	1.262E+02	1.260E+02	1.260E+02	0.000E+00	1.287E+02	1.287E+02	1.287E+02	1.287E+02	9.776E+00
15.0	9.579E+00	2.298E+01	2.295E+01	2.295E+01	0.000E+00	2.380E+01	2.380E+01	2.380E+01	2.380E+01	8.480E+00
25.0	2.925E+00	6.446E+00	6.436E+00	6.436E+00	0.000E+00	6.807E+00	6.807E+00	6.807E+00	6.807E+00	7.203E+00
35.0	1.405E+00	2.882E+00	2.878E+00	2.878E+00	0.000E+00	3.095E+00	3.095E+00	3.095E+00	3.095E+00	6.444E+00
45.0	8.149E-01	1.586E+00	1.584E+00	1.584E+00	0.000E+00	1.730E+00	1.730E+00	1.730E+00	1.730E+00	5.905E+00
55.0	5.268E-01	9.861E-01	9.845E-01	9.845E-01	0.000E+00	1.092E+00	1.092E+00	1.092E+00	1.092E+00	5.494E+00
65.0	3.658E-01	6.644E-01	6.633E-01	6.633E-01	0.000E+00	7.456E-01	7.456E-01	7.456E-01	7.456E-01	5.165E+00
75.0	2.674E-01	4.758E-01	4.750E-01	4.750E-01	0.000E+00	5.408E-01	5.408E-01	5.408E-01	5.408E-01	4.900E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.208E-06	2.531E-05	2.531E-05	2.529E-05
2.5	3.131E-06	9.955E-06	9.955E-06	9.977E-06
3.5	1.648E-06	4.932E-06	4.932E-06	4.969E-06
4.5	9.894E-07	2.959E-06	2.959E-06	3.004E-06
7.5	3.174E-07	9.379E-07	9.379E-07	9.880E-07
15.0	6.034E-08	1.698E-07	1.698E-07	2.145E-07
25.0	1.834E-08	4.709E-08	4.709E-08	8.513E-08
35.0	8.772E-09	2.084E-08	2.084E-08	5.479E-08
45.0	5.075E-09	1.137E-08	1.137E-08	4.242E-08
55.0	3.275E-09	7.025E-09	7.025E-09	3.586E-08
65.0	2.271E-09	4.709E-09	4.709E-09	3.178E-08
75.0	1.659E-09	3.360E-09	3.360E-09	2.901E-08

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.180E-03	4.779E-03	4.779E-03	4.768E-03	4.551E+01	4.389E+01	2.652E+01	1.614E+01	2.350E-05	2.398E-04
2.5	1.439E-03	2.295E-03	2.295E-03	2.289E-03	2.918E+01	2.873E+01	2.025E+01	1.468E+01	3.302E-05	1.870E-04
3.5	7.913E-04	1.311E-03	1.311E-03	1.308E-03	2.061E+01	2.046E+01	1.576E+01	1.258E+01	3.974E-05	1.479E-04
4.5	4.902E-04	8.344E-04	8.344E-04	8.325E-04	1.555E+01	1.550E+01	1.262E+01	1.064E+01	4.427E-05	1.197E-04
7.5	1.734E-04	3.109E-04	3.109E-04	3.101E-04	8.402E+00	8.400E+00	7.461E+00	6.726E+00	5.026E-05	7.157E-05
15.0	4.008E-05	7.669E-05	7.669E-05	7.652E-05	3.444E+00	3.446E+00	3.303E+00	3.134E+00	5.060E-05	3.199E-05
25.0	1.410E-05	2.798E-05	2.798E-05	2.791E-05	1.751E+00	1.752E+00	1.731E+00	1.695E+00	4.742E-05	1.691E-05
35.0	7.453E-06	1.496E-05	1.496E-05	1.493E-05	1.120E+00	1.120E+00	1.118E+00	1.109E+00	4.489E-05	1.096E-05
45.0	4.627E-06	9.349E-06	9.349E-06	9.327E-06	7.960E-01	7.965E-01	7.980E-01	7.963E-01	4.261E-05	7.836E-06
55.0	3.153E-06	6.428E-06	6.428E-06	6.413E-06	6.073E-01	6.077E-01	6.098E-01	6.102E-01	4.088E-05	5.994E-06
65.0	2.284E-06	4.688E-06	4.688E-06	4.677E-06	4.826E-01	4.829E-01	4.850E-01	4.860E-01	3.932E-05	4.769E-06
75.0	1.727E-06	3.564E-06	3.564E-06	3.556E-06	3.946E-01	3.949E-01	3.968E-01	3.979E-01	3.789E-05	3.902E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	5.179E+03	7.138E+03	7.126E+03	7.126E+03	0.000E+00	7.160E+03	7.160E+03	7.160E+03	1.316E+01	
2.5	2.339E+03	3.388E+03	3.382E+03	3.382E+03	0.000E+00	3.404E+03	3.404E+03	3.404E+03	1.853E+01	
3.5	1.285E+03	1.922E+03	1.918E+03	1.918E+03	0.000E+00	1.935E+03	1.935E+03	1.935E+03	2.233E+01	
4.5	7.954E+02	1.217E+03	1.215E+03	1.215E+03	0.000E+00	1.227E+03	1.227E+03	1.227E+03	2.489E+01	
7.5	2.808E+02	4.492E+02	4.484E+02	4.484E+02	0.000E+00	4.551E+02	4.551E+02	4.551E+02	2.831E+01	
15.0	6.477E+01	1.096E+02	1.094E+02	1.094E+02	0.000E+00	1.122E+02	1.122E+02	1.122E+02	2.862E+01	
25.0	2.276E+01	3.975E+01	3.968E+01	3.968E+01	0.000E+00	4.107E+01	4.107E+01	4.107E+01	2.694E+01	
35.0	1.202E+01	2.122E+01	2.118E+01	2.118E+01	0.000E+00	2.207E+01	2.207E+01	2.207E+01	2.558E+01	
45.0	7.461E+00	1.324E+01	1.322E+01	1.322E+01	0.000E+00	1.385E+01	1.385E+01	1.385E+01	2.434E+01	
55.0	5.083E+00	9.093E+00	9.078E+00	9.078E+00	0.000E+00	9.560E+00	9.560E+00	9.560E+00	2.338E+01	
65.0	3.680E+00	6.625E+00	6.614E+00	6.614E+00	0.000E+00	6.996E+00	6.996E+00	6.996E+00	2.252E+01	
75.0	2.782E+00	5.032E+00	5.024E+00	5.024E+00	0.000E+00	5.337E+00	5.337E+00	5.337E+00	2.172E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.180E-05	4.779E-05	4.779E-05	4.775E-05
2.5	1.439E-05	2.295E-05	2.295E-05	2.299E-05
3.5	7.913E-06	1.311E-05	1.311E-05	1.320E-05
4.5	4.902E-06	8.344E-06	8.344E-06	8.458E-06
7.5	1.734E-06	3.109E-06	3.109E-06	3.252E-06
15.0	4.008E-07	7.669E-07	7.669E-07	9.170E-07
25.0	1.410E-07	2.798E-07	2.798E-07	4.214E-07
35.0	7.453E-08	1.496E-07	1.496E-07	2.839E-07
45.0	4.627E-08	9.349E-08	9.349E-08	2.211E-07
55.0	3.153E-08	6.428E-08	6.428E-08	1.868E-07
65.0	2.284E-08	4.688E-08	4.688E-08	1.647E-07
75.0	1.727E-08	3.564E-08	3.564E-08	1.492E-07

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.005E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.664E-02	9.318E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.752E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.189E-01	4.974E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.855E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.594E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.752E-04	1.006E-04	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.124E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.081E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.558E-01 PERSON-REM/YR

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.025E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.520E-01	8.481E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.261E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.079E+00	4.504E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.534E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.907E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.355E-03	8.949E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.886E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.658E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.413E+00 PERSON-REM/YR



TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.218E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.781E-02	4.250E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.671E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.348E-01	2.187E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.731E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.302E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.636E-03	4.166E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.395E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.696E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.982E-01 PERSON-REM/YR

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.484E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.002E-01	3.060E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.834E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.446E+00	1.496E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.498E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.856E-02	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.815E-02	5.256E-03	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.134E-01	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.852E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.809E+00 PERSON-REM/YR

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.401E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.540E-03	1.393E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.757E-05	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.747E-02	7.170E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.760E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.293E-05	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.382E-05	1.383E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.814E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.638E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.285E-02 PERSON-REM/YR

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHC 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.925E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.156E-03	2.612E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.533E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.979E-02	1.304E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.262E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.147E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.584E-04	4.615E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.994E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.622E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.149E-02 PERSON-REM/YR

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.512E-02	1.667E-02	1.197E-02	9.194E-03	2.770E-02	2.890E-02	1.998E-02	1.718E-02	1.597E-02	1.547E-02	1.533E-02	1.539E-02
NNE	3.332E-02	2.380E-02	1.476E-02	1.120E-02	3.207E-02	3.259E-02	2.196E-02	1.826E-02	1.648E-02	1.555E-02	1.513E-02	1.501E-02
NE	4.737E-02	2.972E-02	1.799E-02	1.335E-02	3.783E-02	3.869E-02	2.587E-02	2.115E-02	1.886E-02	1.766E-02	1.700E-02	1.665E-02
ENE	4.097E-02	2.996E-02	1.797E-02	1.264E-02	3.332E-02	3.227E-02	2.152E-02	1.789E-02	1.611E-02	1.517E-02	1.468E-02	1.444E-02
E	1.430E-02	1.510E-02	1.029E-02	7.923E-03	2.339E-02	2.435E-02	1.643E-02	1.357E-02	1.217E-02	1.147E-02	1.113E-02	1.097E-02
ESE	5.798E-03	5.730E-03	5.055E-03	4.314E-03	1.494E-02	1.776E-02	1.243E-02	1.017E-02	8.935E-03	8.187E-03	7.712E-03	7.414E-03
SE	3.576E-03	1.737E-03	1.373E-03	1.197E-03	4.460E-03	5.632E-03	4.092E-03	3.418E-03	3.056E-03	2.845E-03	2.718E-03	2.642E-03
SSE	2.650E-03	1.512E-03	5.542E-04	4.055E-04	1.035E-03	9.304E-04	6.145E-04	5.060E-04	4.484E-04	4.126E-04	3.883E-04	3.709E-04
S	4.461E-03	2.939E-03	2.049E-03	1.590E-03	4.324E-03	3.617E-03	2.255E-03	1.939E-03	1.870E-03	1.892E-03	1.954E-03	2.037E-03
SSW	7.038E-03	5.625E-03	4.602E-03	3.838E-03	1.253E-02	1.366E-02	9.290E-03	7.740E-03	7.052E-03	6.749E-03	6.687E-03	6.752E-03
SW	8.581E-03	7.164E-03	5.937E-03	5.020E-03	1.696E-02	1.928E-02	1.342E-02	1.130E-02	1.040E-02	1.005E-02	9.960E-03	1.002E-02
WSW	8.424E-03	6.708E-03	5.354E-03	4.389E-03	1.389E-02	1.490E-02	1.069E-02	9.559E-03	9.179E-03	9.127E-03	9.242E-03	9.446E-03
W	8.685E-03	6.946E-03	5.563E-03	4.570E-03	1.450E-02	1.582E-02	1.157E-02	1.050E-02	1.021E-02	1.031E-02	1.056E-02	1.088E-02
WNW	1.195E-02	9.146E-03	7.351E-03	6.047E-03	1.916E-02	2.067E-02	1.490E-02	1.343E-02	1.304E-02	1.311E-02	1.341E-02	1.388E-02
NW	1.384E-02	1.129E-02	8.520E-03	6.948E-03	2.183E-02	2.336E-02	1.636E-02	1.428E-02	1.345E-02	1.317E-02	1.317E-02	1.332E-02
NNW	1.665E-02	1.283E-02	9.160E-03	7.264E-03	2.214E-02	2.319E-02	1.621E-02	1.408E-02	1.320E-02	1.286E-02	1.280E-02	1.289E-02

TOTAL DOSE COMMITMENT IS 2.345E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.025E-01	2.007E-01	1.442E-01	1.107E-01	3.331E-01	3.454E-01	2.363E-01	2.010E-01	1.852E-01	1.779E-01	1.751E-01	1.749E-01
NNE	4.007E-01	2.861E-01	1.775E-01	1.347E-01	3.856E-01	3.901E-01	2.606E-01	2.148E-01	1.922E-01	1.801E-01	1.740E-01	1.716E-01
NE	5.689E-01	3.570E-01	2.164E-01	1.605E-01	4.549E-01	4.636E-01	3.078E-01	2.497E-01	2.210E-01	2.055E-01	1.965E-01	1.913E-01
ENE	4.918E-01	3.597E-01	2.159E-01	1.520E-01	4.005E-01	3.865E-01	2.557E-01	2.108E-01	1.884E-01	1.761E-01	1.692E-01	1.655E-01
E	1.722E-01	1.815E-01	1.238E-01	9.533E-02	2.813E-01	2.917E-01	1.953E-01	1.599E-01	1.423E-01	1.332E-01	1.283E-01	1.257E-01
ESE	7.008E-02	6.911E-02	6.093E-02	5.199E-02	1.798E-01	2.132E-01	1.485E-01	1.208E-01	1.055E-01	9.608E-02	9.001E-02	8.608E-02
SE	4.303E-02	2.097E-02	1.658E-02	1.445E-02	5.375E-02	6.758E-02	4.878E-02	4.045E-02	3.590E-02	3.320E-02	3.152E-02	3.047E-02
SSE	3.176E-02	1.812E-02	6.648E-03	4.862E-03	1.239E-02	1.104E-02	7.230E-03	5.914E-03	5.213E-03	4.774E-03	4.474E-03	4.257E-03
S	5.358E-02	3.531E-02	2.461E-02	1.909E-02	5.179E-02	4.282E-02	2.617E-02	2.213E-02	2.110E-02	2.118E-02	2.174E-02	2.258E-02
SSW	8.487E-02	6.782E-02	5.545E-02	4.623E-02	1.506E-01	1.632E-01	1.098E-01	9.049E-02	8.160E-02	7.740E-02	7.612E-02	7.639E-02
SW	1.037E-01	8.650E-02	7.163E-02	6.054E-02	2.041E-01	2.306E-01	1.587E-01	1.323E-01	1.205E-01	1.154E-01	1.135E-01	1.136E-01
WSW	1.017E-01	8.094E-02	6.456E-02	5.290E-02	1.670E-01	1.777E-01	1.258E-01	1.112E-01	1.056E-01	1.042E-01	1.048E-01	1.065E-01
W	1.049E-01	8.386E-02	6.711E-02	5.509E-02	1.744E-01	1.884E-01	1.358E-01	1.218E-01	1.172E-01	1.173E-01	1.194E-01	1.224E-01
WNN	1.443E-01	1.104E-01	8.870E-02	7.291E-02	2.304E-01	2.461E-01	1.748E-01	1.554E-01	1.493E-01	1.488E-01	1.512E-01	1.558E-01
NW	1.672E-01	1.361E-01	1.027E-01	8.371E-02	2.625E-01	2.787E-01	1.929E-01	1.665E-01	1.553E-01	1.508E-01	1.498E-01	1.506E-01
NNW	2.008E-01	1.546E-01	1.103E-01	8.747E-02	2.661E-01	2.768E-01	1.914E-01	1.645E-01	1.528E-01	1.477E-01	1.460E-01	1.463E-01

TOTAL DOSE COMMITMENT IS 2.773E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
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 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
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TIME STEP NUMBER 3. NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.012E-02	6.716E-03	4.823E-03	3.703E-03	1.118E-02	1.177E-02	8.260E-03	7.202E-03	6.782E-03	6.638E-03	6.636E-03	6.711E-03
NNE	1.346E-02	9.624E-03	5.957E-03	4.520E-03	1.295E-02	1.325E-02	9.032E-03	7.600E-03	6.938E-03	6.615E-03	6.492E-03	6.489E-03
NE	1.920E-02	1.203E-02	7.272E-03	5.390E-03	1.528E-02	1.570E-02	1.060E-02	8.761E-03	7.894E-03	7.465E-03	7.248E-03	7.152E-03
ENE	1.661E-02	1.215E-02	7.273E-03	5.113E-03	1.347E-02	1.311E-02	8.831E-03	7.427E-03	6.765E-03	6.434E-03	6.278E-03	6.222E-03
E	5.760E-03	6.104E-03	4.155E-03	3.198E-03	9.441E-03	9.882E-03	6.740E-03	5.631E-03	5.109E-03	4.865E-03	4.759E-03	4.726E-03
ESE	2.319E-03	2.301E-03	2.033E-03	1.736E-03	6.017E-03	7.183E-03	5.066E-03	4.179E-03	3.702E-03	3.420E-03	3.246E-03	3.142E-03
SE	1.443E-03	6.961E-04	5.501E-04	4.800E-04	1.794E-03	2.280E-03	1.673E-03	1.411E-03	1.275E-03	1.198E-03	1.154E-03	1.130E-03
SSE	1.078E-03	6.149E-04	2.249E-04	1.646E-04	4.217E-04	3.829E-04	2.558E-04	2.125E-04	1.897E-04	1.756E-04	1.662E-04	1.595E-04
S	1.807E-03	1.190E-03	8.291E-04	6.439E-04	1.757E-03	1.494E-03	9.564E-04	8.400E-04	8.226E-04	8.407E-04	8.740E-04	9.157E-04
SSW	2.828E-03	2.261E-03	1.851E-03	1.545E-03	5.056E-03	5.563E-03	3.841E-03	3.250E-03	3.002E-03	2.907E-03	2.908E-03	2.959E-03
SW	3.435E-03	2.872E-03	2.382E-03	2.016E-03	6.831E-03	7.842E-03	5.539E-03	4.737E-03	4.422E-03	4.320E-03	4.324E-03	4.385E-03
WSW	3.376E-03	2.691E-03	2.150E-03	1.765E-03	5.603E-03	6.081E-03	4.444E-03	4.042E-03	3.935E-03	3.955E-03	4.040E-03	4.157E-03
W	3.475E-03	2.784E-03	2.232E-03	1.836E-03	5.850E-03	6.471E-03	4.830E-03	4.460E-03	4.395E-03	4.484E-03	4.631E-03	4.804E-03
WNW	4.785E-03	3.665E-03	2.950E-03	2.429E-03	7.728E-03	8.454E-03	6.227E-03	5.713E-03	5.627E-03	5.720E-03	5.899E-03	6.149E-03
NW	5.548E-03	4.534E-03	3.424E-03	2.795E-03	8.809E-03	9.529E-03	6.788E-03	6.018E-03	5.744E-03	5.683E-03	5.732E-03	5.839E-03
NNW	6.693E-03	5.168E-03	3.688E-03	2.926E-03	8.939E-03	9.454E-03	6.713E-03	5.918E-03	5.618E-03	5.531E-03	5.552E-03	5.631E-03

TOTAL DOSE COMMITMENT IS 9.691E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.246E-01	8.269E-02	5.938E-02	4.559E-02	1.374E-01	1.438E-01	9.992E-02	8.630E-02	8.059E-02	7.833E-02	7.786E-02	7.838E-02
NNE	1.657E-01	1.184E-01	7.332E-02	5.562E-02	1.593E-01	1.621E-01	1.096E-01	9.151E-02	8.290E-02	7.852E-02	7.661E-02	7.619E-02
NE	2.361E-01	1.480E-01	8.948E-02	6.633E-02	1.879E-01	1.924E-01	1.290E-01	1.050E-01	9.470E-02	8.898E-02	8.590E-02	8.434E-02
ENE	2.042E-01	1.494E-01	8.946E-02	6.290E-02	1.656E-01	1.605E-01	1.074E-01	8.959E-02	8.100E-02	7.653E-02	7.424E-02	7.322E-02
E	7.093E-02	7.511E-02	5.113E-02	3.935E-02	1.161E-01	1.211E-01	8.196E-02	6.794E-02	6.118E-02	5.787E-02	5.628E-02	5.562E-02
ESE	2.860E-02	2.836E-02	2.504E-02	2.138E-02	7.405E-02	8.816E-02	6.188E-02	5.076E-02	4.472E-02	4.108E-02	3.880E-02	3.739E-02
SE	1.776E-02	8.581E-03	6.783E-03	5.916E-03	2.208E-02	2.796E-02	2.039E-02	1.709E-02	1.533E-02	1.431E-02	1.371E-02	1.336E-02
SSE	1.324E-02	7.554E-03	2.763E-03	2.021E-03	5.163E-03	4.650E-03	3.081E-03	2.544E-03	2.260E-03	2.084E-03	1.965E-03	1.880E-03
S	2.222E-02	1.463E-02	1.019E-02	7.914E-03	2.154E-02	1.811E-02	1.138E-02	9.852E-03	9.552E-03	9.698E-03	1.004E-02	1.048E-02
SSW	3.484E-02	2.785E-02	2.280E-02	1.902E-02	6.214E-02	6.796E-02	4.645E-02	3.890E-02	3.561E-02	3.422E-02	3.401E-02	3.444E-02
SW	4.236E-02	3.540E-02	2.935E-02	2.483E-02	8.399E-02	9.586E-02	6.704E-02	5.676E-02	5.251E-02	5.091E-02	5.063E-02	5.109E-02
WSW	4.162E-02	3.317E-02	2.648E-02	2.172E-02	6.884E-02	7.414E-02	5.353E-02	4.816E-02	4.646E-02	4.637E-02	4.709E-02	4.825E-02
W	4.286E-02	3.431E-02	2.750E-02	2.260E-02	7.186E-02	7.879E-02	5.803E-02	5.299E-02	5.176E-02	5.243E-02	5.386E-02	5.564E-02
WNW	5.900E-02	4.518E-02	3.634E-02	2.991E-02	9.494E-02	1.029E-01	7.476E-02	6.778E-02	6.614E-02	6.676E-02	6.847E-02	7.107E-02
NW	6.840E-02	5.586E-02	4.218E-02	3.441E-02	1.082E-01	1.163E-01	8.189E-02	7.187E-02	6.800E-02	6.681E-02	6.700E-02	6.794E-02
NNW	8.246E-02	6.364E-02	4.541E-02	3.602E-02	1.098E-01	1.154E-01	8.111E-02	7.081E-02	6.666E-02	6.518E-02	6.506E-02	6.568E-02

TOTAL DOSE COMMITMENT IS 1.173E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
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TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	7.788E-04	5.166E-04	3.720E-04	2.861E-04	8.569E-04	8.698E-04	5.731E-04	4.689E-04	4.164E-04	3.871E-04	3.702E-04	3.606E-04
NNE	1.011E-03	7.192E-04	4.515E-04	3.436E-04	9.854E-04	9.846E-04	6.397E-04	5.106E-04	4.427E-04	4.024E-04	3.782E-04	3.638E-04
NE	1.409E-03	8.892E-04	5.460E-04	4.073E-04	1.161E-03	1.174E-03	7.621E-04	6.017E-04	5.174E-04	4.677E-04	4.358E-04	4.143E-04
ENE	1.214E-03	8.881E-04	5.394E-04	3.826E-04	1.018E-03	9.770E-04	6.306E-04	5.045E-04	4.372E-04	3.970E-04	3.714E-04	3.546E-04
E	4.429E-04	4.568E-04	3.142E-04	2.429E-04	7.192E-04	7.384E-04	4.820E-04	3.831E-04	3.308E-04	3.005E-04	2.817E-04	2.694E-04
ESE	1.887E-04	1.814E-04	1.586E-04	1.351E-04	4.654E-04	5.457E-04	3.733E-04	2.974E-04	2.541E-04	2.264E-04	2.076E-04	1.945E-04
SE	1.096E-04	5.580E-05	4.424E-05	3.835E-05	1.408E-04	1.734E-04	1.220E-04	9.844E-05	8.503E-05	7.657E-05	7.092E-05	6.699E-05
SSE	7.675E-05	4.387E-05	1.641E-05	1.201E-05	3.058E-05	2.681E-05	1.711E-05	1.369E-05	1.183E-05	1.064E-05	9.801E-06	9.182E-06
S	1.333E-04	8.833E-05	6.175E-05	4.782E-05	1.287E-04	1.025E-04	5.848E-05	4.640E-05	4.205E-05	4.065E-05	4.061E-05	4.134E-05
SSW	2.223E-04	1.773E-04	1.445E-04	1.201E-04	3.886E-04	4.118E-04	2.665E-04	2.105E-04	1.822E-04	1.666E-04	1.585E-04	1.547E-04
SW	2.777E-04	2.301E-04	1.896E-04	1.596E-04	5.324E-04	5.860E-04	3.874E-04	3.094E-04	2.706E-04	2.496E-04	2.378E-04	2.314E-04
WSW	2.706E-04	2.141E-04	1.700E-04	1.388E-04	4.339E-04	4.473E-04	3.010E-04	2.534E-04	2.307E-04	2.194E-04	2.141E-04	2.122E-04
W	2.817E-04	2.233E-04	1.777E-04	1.452E-04	4.535E-04	4.714E-04	3.213E-04	2.741E-04	2.527E-04	2.439E-04	2.409E-04	2.411E-04
WNW	3.854E-04	2.942E-04	2.349E-04	1.922E-04	5.996E-04	6.162E-04	4.127E-04	3.477E-04	3.190E-04	3.061E-04	3.016E-04	3.031E-04
NW	4.447E-04	3.566E-04	2.691E-04	2.185E-04	6.789E-04	7.006E-04	4.636E-04	3.832E-04	3.435E-04	3.221E-04	3.106E-04	3.046E-04
NNW	5.242E-04	3.988E-04	2.856E-04	2.261E-04	6.839E-04	6.950E-04	4.618E-04	3.814E-04	3.414E-04	3.192E-04	3.067E-04	2.997E-04

TOTAL DOSE COMMITMENT IS 6.710E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.049E-02	6.954E-03	5.001E-03	3.841E-03	1.147E-02	1.150E-02	7.411E-03	5.916E-03	5.125E-03	4.654E-03	4.355E-03	4.159E-03
NNE	1.370E-02	9.760E-03	6.100E-03	4.635E-03	1.324E-02	1.308E-02	8.345E-03	6.527E-03	5.541E-03	4.935E-03	4.547E-03	4.292E-03
NE	1.922E-02	1.211E-02	7.399E-03	5.506E-03	1.562E-02	1.564E-02	1.000E-02	7.761E-03	6.552E-03	5.814E-03	5.319E-03	4.971E-03
ENE	1.658E-02	1.213E-02	7.333E-03	5.186E-03	1.371E-02	1.301E-02	8.256E-03	6.482E-03	5.508E-03	4.903E-03	4.501E-03	4.222E-03
E	5.965E-03	6.197E-03	4.249E-03	3.279E-03	9.670E-03	9.832E-03	6.313E-03	4.924E-03	4.167E-03	3.712E-03	3.414E-03	3.207E-03
ESE	2.504E-03	2.427E-03	2.127E-03	1.812E-03	6.239E-03	7.280E-03	4.932E-03	3.883E-03	3.274E-03	2.878E-03	2.602E-03	2.405E-03
SE	1.481E-03	7.431E-04	5.885E-04	5.108E-04	1.878E-03	2.304E-03	1.602E-03	1.274E-03	1.083E-03	9.588E-04	8.734E-04	8.118E-04
SSE	1.056E-03	6.025E-04	2.234E-04	1.631E-04	4.112E-04	3.520E-04	2.195E-04	1.725E-04	1.468E-04	1.302E-04	1.185E-04	1.097E-04
S	1.815E-03	1.200E-03	8.369E-04	6.474E-04	1.733E-03	1.343E-03	7.261E-04	5.461E-04	4.730E-04	4.413E-04	4.290E-04	4.279E-04
SSW	2.975E-03	2.373E-03	1.934E-03	1.608E-03	5.191E-03	5.438E-03	3.440E-03	2.646E-03	2.220E-03	1.982E-03	1.841E-03	1.757E-03
SW	3.689E-03	3.062E-03	2.526E-03	2.127E-03	7.088E-03	7.729E-03	5.003E-03	3.897E-03	3.319E-03	2.982E-03	2.774E-03	2.642E-03
WSW	3.603E-03	2.854E-03	2.268E-03	1.852E-03	5.772E-03	5.868E-03	3.842E-03	3.140E-03	2.778E-03	2.571E-03	2.450E-03	2.379E-03
W	3.740E-03	2.971E-03	2.367E-03	1.934E-03	6.026E-03	6.167E-03	4.076E-03	3.368E-03	3.012E-03	2.830E-03	2.729E-03	2.674E-03
WNW	5.126E-03	3.913E-03	3.128E-03	2.560E-03	7.969E-03	8.060E-03	5.225E-03	4.254E-03	3.776E-03	3.520E-03	3.381E-03	3.325E-03
NW	5.922E-03	4.770E-03	3.597E-03	2.921E-03	9.052E-03	9.219E-03	5.947E-03	4.783E-03	4.174E-03	3.817E-03	3.596E-03	3.455E-03
NNW	7.024E-03	5.363E-03	3.834E-03	3.034E-03	9.148E-03	9.174E-03	5.952E-03	4.792E-03	4.181E-03	3.818E-03	3.588E-03	3.438E-03

TOTAL DOSE COMMITMENT IS 8.694E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
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 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 3--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.558E-01	1.413E+00	6.982E-01	1.305E-01	7.264E-02	4.809E+00
GROUND	2.285E-02	2.285E-02	2.285E-02	2.285E-02	2.285E-02	2.285E-02
CLOUD	4.149E-02	4.149E-02	4.149E-02	4.149E-02	4.149E-02	4.149E-02
VEG. ING	1.172E+00	1.387E+01	1.172E+00	3.614E+00	3.037E+00	1.172E+00
MEAT ING	4.115E-02	4.980E-01	4.115E-02	1.333E-01	1.097E-01	4.115E-02
MILK ING	3.526E-02	4.568E-01	3.526E-02	7.338E-02	7.737E-02	3.526E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.469E+00	1.630E+01	2.011E+00	4.016E+00	3.361E+00	6.122E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.172E+00	1.386E+01	1.172E+00	3.614E+00	3.037E+00	1.172E+00
MEAT ING	9.280E-01	1.123E+01	9.280E-01	3.006E+00	2.475E+00	9.280E-01
MILK ING	3.184E-02	4.125E-01	3.184E-02	6.626E-02	6.987E-02	3.184E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.132E+00	2.551E+01	2.132E+00	6.686E+00	5.581E+00	2.132E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.558E-01	1.413E+00	6.982E-01	1.305E-01	7.264E-02	4.809E+00
GROUND	2.285E-02	2.285E-02	2.285E-02	2.285E-02	2.285E-02	2.285E-02
CLOUD	4.149E-02	4.149E-02	4.149E-02	4.149E-02	4.149E-02	4.149E-02
VEG. ING	2.345E+00	2.773E+01	2.345E+00	7.228E+00	6.073E+00	2.345E+00
MEAT ING	9.691E-01	1.173E+01	9.691E-01	3.140E+00	2.584E+00	9.691E-01
MILK ING	6.710E-02	8.694E-01	6.710E-02	1.396E-01	1.472E-01	6.710E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.601E+00	4.180E+01	4.143E+00	1.070E+01	8.942E+00	8.254E+00

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS										
NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3				GROUND CONCENTRATIONS, PCI/M2			
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	1.268E-05	2.789E-05	2.789E-05	2.782E-05	2.038E+01	3.900E+01	3.894E+01	3.894E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.268E-05	2.789E-05	2.789E-05	2.782E-05	2.038E+01	3.900E+01	3.894E+01	3.894E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.032E-01	1.128E-01	1.128E-01	1.125E-01	1.695E+05	1.812E+05	1.809E+05	1.809E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.032E-01	1.128E-01	1.128E-01	1.125E-01	1.695E+05	1.812E+05	1.809E+05	1.809E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	3.263E-03	9.536E-03	9.536E-03	9.514E-03	5.169E+03	1.285E+04	1.283E+04	1.283E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.263E-03	9.536E-03	9.536E-03	9.514E-03	5.169E+03	1.285E+04	1.283E+04	1.283E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.569E-03	7.551E-03	7.551E-03	7.534E-03	4.068E+03	1.017E+04	1.015E+04	1.015E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.569E-03	7.551E-03	7.551E-03	7.534E-03	4.068E+03	1.017E+04	1.015E+04	1.015E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.326E-02	1.882E-02	1.881E-02	1.877E-02	2.164E+04	2.844E+04	2.839E+04	2.839E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.326E-02	1.882E-02	1.881E-02	1.877E-02	2.164E+04	2.844E+04	2.839E+04	2.839E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.269E-02	4.467E-02	4.467E-02	4.456E-02	5.339E+04	6.806E+04	6.794E+04	6.794E+04
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.269E-02	4.467E-02	4.467E-02	4.456E-02	5.339E+04	6.806E+04	6.794E+04	6.794E+04
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.649E-03	1.152E-02	1.151E-02	1.149E-02	5.754E+03	1.539E+04	1.536E+04	1.536E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.649E-03	1.152E-02	1.151E-02	1.149E-02	5.754E+03	1.539E+04	1.536E+04	1.536E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.488E-03	1.394E-02	1.394E-02	1.391E-02	1.379E+04	2.047E+04	2.043E+04	2.043E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			8.488E-03	1.394E-02	1.394E-02	1.391E-02	1.379E+04	2.047E+04	2.043E+04	2.043E+04

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	2.941E-02	3.590E-02	3.589E-02	3.581E-02	4.816E+04	5.610E+04	5.600E+04	5.600E+04
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.941E-02	3.590E-02	3.589E-02	3.581E-02	4.816E+04	5.610E+04	5.600E+04	5.600E+04
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	2	1.247E-05	2.777E-05	2.776E-05	2.770E-05	2.003E+01	3.876E+01	3.870E+01	3.870E+01
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.247E-05	2.777E-05	2.776E-05	2.770E-05	2.003E+01	3.876E+01	3.870E+01	3.870E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	1.183E-05	2.507E-05	2.507E-05	2.501E-05	1.904E+01	3.525E+01	3.519E+01	3.519E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.183E-05	2.507E-05	2.507E-05	2.501E-05	1.904E+01	3.525E+01	3.519E+01	3.519E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	2.411E-06	5.172E-06	5.171E-06	5.159E-06	3.878E+00	7.259E+00	7.247E+00	7.247E+00
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.411E-06	5.172E-06	5.171E-06	5.159E-06	3.878E+00	7.259E+00	7.247E+00	7.247E+00
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	5.916E-03	2.639E-02	2.639E-02	2.633E-02	9.085E+03	3.416E+04	3.411E+04	3.411E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		5.916E-03	2.639E-02	2.639E-02	2.633E-02	9.085E+03	3.416E+04	3.411E+04	3.411E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.153E-03	6.630E-03	6.629E-03	6.614E-03	3.400E+03	8.882E+03	8.868E+03	8.868E+03
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.153E-03	6.630E-03	6.629E-03	6.614E-03	3.400E+03	8.882E+03	8.868E+03	8.868E+03

NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS							GROUND CONCENTRATIONS, PCI/M2				
	AIRBORNE CONCENTRATIONS, PCI/M3											
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.648E+00	1.649E+00	1.598E+00	1.526E+00	3.796E-05	1.028E-06	7.253E-10	1.549E-05	1.306E+00	1.306E+00	1.306E+00	2.206E+01
2	2.137E+02	1.901E+02	6.292E+01	1.883E+01	8.842E-06	5.006E-09	8.193E-14	5.850E-04	1.505E+02	1.505E+02	1.505E+02	4.932E+00
3	1.066E+02	9.491E+01	3.306E+01	1.104E+01	6.109E-06	4.047E-09	7.707E-14	3.066E-04	7.517E+01	7.517E+01	7.517E+01	3.408E+00
4	8.708E+01	6.625E+01	1.760E+01	5.216E+00	2.646E-06	1.710E-09	3.442E-14	1.769E-04	5.247E+01	5.247E+01	5.247E+01	1.516E+00
5	9.936E+01	9.082E+01	3.685E+01	1.422E+01	9.495E-06	7.486E-09	1.685E-13	3.334E-04	7.193E+01	7.193E+01	7.193E+01	5.296E+00
6	2.062E+02	1.698E+02	4.225E+01	9.592E+00	3.228E-06	1.333E-09	1.607E-14	4.249E-04	1.345E+02	1.345E+02	1.345E+02	1.800E+00
7	1.363E+02	1.192E+02	3.782E+01	1.144E+01	5.558E-06	3.257E-09	5.509E-14	3.572E-04	9.441E+01	9.441E+01	9.441E+01	3.100E+00
8	9.573E+01	8.667E+01	3.318E+01	1.220E+01	7.665E-06	5.720E-09	1.222E-13	3.030E-04	6.865E+01	6.865E+01	6.865E+01	4.276E+00
9	1.276E+02	1.160E+02	4.580E+01	1.669E+01	1.019E-05	7.384E-09	1.533E-13	4.140E-04	9.191E+01	9.191E+01	9.191E+01	5.685E+00
10	1.749E+00	1.750E+00	1.717E+00	1.664E+00	5.269E-05	1.825E-06	1.662E-09	1.671E-05	1.386E+00	1.386E+00	1.386E+00	3.064E+01
11	6.266E-01	6.270E-01	6.243E-01	6.165E-01	2.854E-05	1.423E-06	1.891E-09	6.111E-06	4.966E-01	4.966E-01	4.966E-01	1.619E+01
12	2.779E-01	2.781E-01	2.768E-01	2.730E-01	1.385E-05	8.367E-07	1.389E-09	2.708E-06	2.203E-01	2.203E-01	2.203E-01	8.000E+00
13	3.329E+02	2.323E+02	4.239E+01	7.857E+00	2.305E-06	9.867E-10	1.583E-14	4.835E-04	1.840E+02	1.840E+02	1.840E+02	1.338E+00
14	9.754E+01	8.869E+01	3.939E+01	1.897E+01	1.904E-05	2.240E-08	7.545E-13	3.618E-04	7.024E+01	7.024E+01	7.024E+01	1.075E+01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 132  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0

NUMBER 1 NAME-Nearest Resident      X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.79E-01	4.80E-01	1.14E+00	9.74E-02	7.67E-02	0.00E+00
INFANT	GROUND	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04
INFANT	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.29E-02	7.60E-02	3.52E-02	3.52E-02	4.79E-02	0.00E+00
INFANT	TOTALS	2.03E-01	5.56E-01	1.18E+00	1.33E-01	1.25E-01	1.85E-04
CHILD	INHAL.	8.42E-02	4.05E-01	5.24E-01	3.93E-02	2.62E-02	0.00E+00
CHILD	GROUND	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04
CHILD	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
CHILD	VEG. ING	1.10E-02	5.52E-02	4.66E-02	4.66E-02	3.68E-02	0.00E+00
CHILD	MEAT ING	1.25E-03	6.24E-03	5.91E-03	5.91E-03	4.49E-03	0.00E+00
CHILD	MILK ING	2.69E-03	1.77E-02	7.97E-03	7.97E-03	7.94E-03	0.00E+00
CHILD	TOTALS	9.93E-02	4.84E-01	5.85E-01	9.99E-02	7.56E-02	1.85E-04
TEENAGE	INHAL.	5.30E-02	4.50E-01	2.70E-01	1.71E-02	1.31E-02	0.00E+00
TEENAGE	GROUND	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04
TEENAGE	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
TEENAGE	VEG. ING	1.79E-02	2.95E-01	4.15E-02	4.15E-02	3.76E-02	0.00E+00
TEENAGE	MEAT ING	1.97E-03	3.22E-02	5.17E-03	5.17E-03	4.47E-03	0.00E+00
TEENAGE	MILK ING	3.75E-03	7.89E-02	5.12E-03	5.12E-03	6.07E-03	0.00E+00
TEENAGE	TOTALS	7.68E-02	8.56E-01	3.22E-01	6.91E-02	6.14E-02	1.85E-04
ADULT	INHAL.	4.55E-02	4.22E-01	2.23E-01	1.41E-02	1.00E-02	0.00E+00
ADULT	GROUND	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04	1.85E-04
ADULT	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
ADULT	VEG. ING	1.01E-02	1.24E-01	2.71E-02	2.71E-02	2.37E-02	0.00E+00
ADULT	MEAT ING	1.44E-03	1.77E-02	4.27E-03	4.27E-03	3.60E-03	0.00E+00
ADULT	MILK ING	7.20E-04	1.09E-02	1.27E-03	1.27E-03	1.40E-03	0.00E+00
ADULT	TOTALS	5.80E-02	5.75E-01	2.55E-01	4.69E-02	3.89E-02	1.85E-04

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 133  
 METSET: Sweetwater WY      DATA: 40Cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0  
 NUMBER 1 NAME=Nearest Resident      X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.10E-01	5.00E-01	1.15E+00	2.04E-01	1.18E-01	2.06E+00
INFANT	GROUND	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03
INFANT	CLOUD	1.68E-02	1.68E-02	1.68E-02	1.68E-02	1.68E-02	1.68E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.65E-02	8.32E-02	4.85E-02	4.85E-02	5.96E-02	0.00E+00
INFANT	TOTALS	3.60E-01	6.08E-01	1.22E+00	2.76E-01	2.02E-01	2.08E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.11E-01	4.20E-01	5.25E-01	8.65E-02	4.56E-02	2.06E+00
CHILD	GROUND	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03
CHILD	CLOUD	1.68E-02	1.68E-02	1.68E-02	1.68E-02	1.68E-02	1.68E-02
CHILD	VEG. ING	1.45E-02	7.13E-02	6.56E-02	6.56E-02	5.07E-02	0.00E+00
CHILD	MEAT ING	1.71E-03	8.31E-03	8.34E-03	8.34E-03	6.28E-03	0.00E+00
CHILD	MILK ING	3.27E-03	2.03E-02	1.11E-02	1.11E-02	1.02E-02	0.00E+00
CHILD	TOTALS	2.55E-01	5.44E-01	6.34E-01	1.96E-01	1.37E-01	2.08E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.80E-01	4.88E-01	2.71E-01	3.74E-02	2.28E-02	2.06E+00
TEENAGE	GROUND	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03
TEENAGE	CLOUD	1.68E-02	1.68E-02	1.68E-02	1.68E-02	1.68E-02	1.68E-02
TEENAGE	VEG. ING	2.32E-02	3.73E-01	5.84E-02	5.84E-02	5.15E-02	0.00E+00
TEENAGE	MEAT ING	2.64E-03	4.21E-02	7.30E-03	7.30E-03	6.23E-03	0.00E+00
TEENAGE	MILK ING	4.37E-03	8.80E-02	7.09E-03	7.09E-03	7.70E-03	0.00E+00
TEENAGE	TOTALS	2.34E-01	1.02E+00	3.68E-01	1.34E-01	1.13E-01	2.08E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.72E-01	4.44E-01	2.23E-01	3.10E-02	1.81E-02	2.06E+00
ADULT	GROUND	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03	7.42E-03
ADULT	CLOUD	1.68E-02	1.68E-02	1.68E-02	1.68E-02	1.68E-02	1.68E-02
ADULT	VEG. ING	1.34E-02	1.61E-01	3.81E-02	3.81E-02	3.27E-02	0.00E+00
ADULT	MEAT ING	1.95E-03	2.36E-02	6.03E-03	6.03E-03	5.04E-03	0.00E+00
ADULT	MILK ING	8.64E-04	1.25E-02	1.76E-03	1.76E-03	1.81E-03	0.00E+00
ADULT	TOTALS	2.12E-01	6.66E-01	2.93E-01	1.01E-01	8.19E-02	2.08E+00



NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.55E+02	1.94E+03	6.52E+03	3.94E+02	3.14E+02	0.00E+00
INFANT	GROUND	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00
INFANT	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.18E+02	3.80E+02	1.44E+02	1.44E+02	2.71E+02	0.00E+00
INFANT	TOTALS	1.07E+03	2.33E+03	6.66E+03	5.39E+02	5.86E+02	1.09E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.51E+02	1.64E+03	3.04E+03	1.59E+02	1.08E+02	0.00E+00
CHILD	GROUND	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00
CHILD	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
CHILD	VEG. ING	4.66E+01	2.34E+02	1.89E+02	1.89E+02	1.61E+02	0.00E+00
CHILD	MEAT ING	5.21E+00	2.60E+01	2.41E+01	2.41E+01	1.89E+01	0.00E+00
CHILD	MILK ING	1.25E+01	7.91E+01	3.25E+01	3.25E+01	4.14E+01	0.00E+00
CHILD	TOTALS	5.16E+02	1.98E+03	3.28E+03	4.06E+02	3.30E+02	1.09E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.72E+02	1.82E+03	1.57E+03	6.93E+01	5.40E+01	0.00E+00
TEENAGE	GROUND	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00
TEENAGE	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
TEENAGE	VEG. ING	7.53E+01	1.26E+03	1.69E+02	1.69E+02	1.65E+02	0.00E+00
TEENAGE	MEAT ING	8.18E+00	1.34E+02	2.10E+01	2.10E+01	1.89E+01	0.00E+00
TEENAGE	MILK ING	1.67E+01	3.53E+02	2.09E+01	2.09E+01	3.16E+01	0.00E+00
TEENAGE	TOTALS	3.73E+02	3.57E+03	1.78E+03	2.81E+02	2.70E+02	1.09E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.32E+02	1.71E+03	1.30E+03	5.72E+01	4.13E+01	0.00E+00
ADULT	GROUND	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00
ADULT	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
ADULT	VEG. ING	4.24E+01	5.20E+02	1.10E+02	1.10E+02	1.03E+02	0.00E+00
ADULT	MEAT ING	5.94E+00	7.32E+01	1.74E+01	1.74E+01	1.52E+01	0.00E+00
ADULT	MILK ING	3.18E+00	4.77E+01	5.17E+00	5.17E+00	7.16E+00	0.00E+00
ADULT	TOTALS	2.85E+02	2.35E+03	1.43E+03	1.91E+02	1.68E+02	1.09E+00

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 135  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0  
 NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.71E+02	1.94E+03	6.52E+03	3.94E+02	3.14E+02	2.67E+02
INFANT	GROUND	3.34E+01	3.34E+01	3.34E+01	3.34E+01	3.34E+01	3.34E+01
INFANT	CLOUD	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.18E+02	3.80E+02	1.44E+02	1.44E+02	2.71E+02	0.00E+00
INFANT	TOTALS	1.12E+03	2.36E+03	6.70E+03	5.71E+02	6.18E+02	3.01E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.67E+02	1.64E+03	3.04E+03	1.59E+02	1.08E+02	2.67E+02
CHILD	GROUND	3.34E+01	3.34E+01	3.34E+01	3.34E+01	3.34E+01	3.34E+01
CHILD	CLOUD	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01
CHILD	VEG. ING	4.66E+01	2.34E+02	1.89E+02	1.89E+02	1.61E+02	0.00E+00
CHILD	MEAT ING	5.21E+00	2.60E+01	2.41E+01	2.41E+01	1.89E+01	0.00E+00
CHILD	MILK ING	1.25E+01	7.91E+01	3.25E+01	3.25E+01	4.14E+01	0.00E+00
CHILD	TOTALS	5.65E+02	2.01E+03	3.32E+03	4.39E+02	3.62E+02	3.01E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.88E+02	1.82E+03	1.57E+03	6.93E+01	5.40E+01	2.67E+02
TEENAGE	GROUND	3.34E+01	3.34E+01	3.34E+01	3.34E+01	3.34E+01	3.34E+01
TEENAGE	CLOUD	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01
TEENAGE	VEG. ING	7.53E+01	1.26E+03	1.69E+02	1.69E+02	1.65E+02	0.00E+00
TEENAGE	MEAT ING	8.18E+00	1.34E+02	2.10E+01	2.10E+01	1.89E+01	0.00E+00
TEENAGE	MILK ING	1.67E+01	3.53E+02	2.09E+01	2.09E+01	3.16E+01	0.00E+00
TEENAGE	TOTALS	4.22E+02	3.60E+03	1.82E+03	3.14E+02	3.03E+02	3.01E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.48E+02	1.71E+03	1.30E+03	5.72E+01	4.13E+01	2.67E+02
ADULT	GROUND	3.34E+01	3.34E+01	3.34E+01	3.34E+01	3.34E+01	3.34E+01
ADULT	CLOUD	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01
ADULT	VEG. ING	4.24E+01	5.20E+02	1.10E+02	1.10E+02	1.03E+02	0.00E+00
ADULT	MEAT ING	5.94E+00	7.32E+01	1.74E+01	1.74E+01	1.52E+01	0.00E+00
ADULT	MILK ING	3.18E+00	4.77E+01	5.17E+00	5.17E+00	7.16E+00	0.00E+00
ADULT	TOTALS	3.33E+02	2.38E+03	1.46E+03	2.24E+02	2.00E+02	3.01E+02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 136  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0  
 NUMBER 3 NAME=Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.66E+01	1.64E+02	3.52E+02	3.33E+01	2.61E+01	0.00E+00
INFANT	GROUND	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02
INFANT	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.30E+00	2.45E+01	1.20E+01	1.20E+01	1.48E+01	0.00E+00
INFANT	TOTALS	6.40E+01	1.89E+02	3.64E+02	4.54E+01	4.10E+01	5.63E-02
CHILD	INHAL.	2.65E+01	1.38E+02	1.60E+02	1.34E+01	8.92E+00	0.00E+00
CHILD	GROUND	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02
CHILD	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
CHILD	VEG. ING	3.71E+00	1.87E+01	1.59E+01	1.59E+01	1.23E+01	0.00E+00
CHILD	MEAT ING	4.25E-01	2.12E+00	2.02E+00	2.02E+00	1.52E+00	0.00E+00
CHILD	MILK ING	8.85E-01	5.88E+00	2.72E+00	2.72E+00	2.52E+00	0.00E+00
CHILD	TOTALS	3.16E+01	1.65E+02	1.81E+02	3.41E+01	2.53E+01	5.63E-02
TEENAGE	INHAL.	1.69E+01	1.54E+02	8.26E+01	5.86E+00	4.47E+00	0.00E+00
TEENAGE	GROUND	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02
TEENAGE	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
TEENAGE	VEG. ING	6.06E+00	9.95E+01	1.42E+01	1.42E+01	1.26E+01	0.00E+00
TEENAGE	MEAT ING	6.71E-01	1.09E+01	1.76E+00	1.76E+00	1.51E+00	0.00E+00
TEENAGE	MILK ING	1.25E+00	2.63E+01	1.75E+00	1.75E+00	1.93E+00	0.00E+00
TEENAGE	TOTALS	2.50E+01	2.90E+02	1.00E+02	2.36E+01	2.05E+01	5.63E-02
ADULT	INHAL.	1.46E+01	1.44E+02	6.79E+01	4.83E+00	3.41E+00	0.00E+00
ADULT	GROUND	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02
ADULT	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
ADULT	VEG. ING	3.44E+00	4.20E+01	9.25E+00	9.25E+00	7.97E+00	0.00E+00
ADULT	MEAT ING	4.90E-01	6.02E+00	1.46E+00	1.46E+00	1.22E+00	0.00E+00
ADULT	MILK ING	2.41E-01	3.64E+00	4.33E-01	4.33E-01	4.49E-01	0.00E+00
ADULT	TOTALS	1.88E+01	1.96E+02	7.90E+01	1.60E+01	1.31E+01	5.63E-02

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 137  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0  
 NUMBER 3 NAME=Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.46E+01	1.64E+02	3.52E+02	3.33E+01	2.61E+01	1.33E+02
INFANT	GROUND	2.36E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00
INFANT	CLOUD	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.30E+00	2.45E+01	1.20E+01	1.20E+01	1.48E+01	0.00E+00
INFANT	TOTALS	7.44E+01	1.91E+02	3.66E+02	4.78E+01	4.35E+01	1.36E+02
CHILD	INHAL.	3.45E+01	1.38E+02	1.60E+02	1.34E+01	8.93E+00	1.33E+02
CHILD	GROUND	2.36E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00
CHILD	CLOUD	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01
CHILD	VEG. ING	3.71E+00	1.87E+01	1.59E+01	1.59E+01	1.23E+01	0.00E+00
CHILD	MEAT ING	4.25E-01	2.12E+00	2.02E+00	2.02E+00	1.52E+00	0.00E+00
CHILD	MILK ING	8.85E-01	5.88E+00	2.72E+00	2.72E+00	2.53E+00	0.00E+00
CHILD	TOTALS	4.21E+01	1.68E+02	1.83E+02	3.66E+01	2.78E+01	1.36E+02
TEENAGE	INHAL.	2.49E+01	1.54E+02	8.26E+01	5.86E+00	4.47E+00	1.33E+02
TEENAGE	GROUND	2.36E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00
TEENAGE	CLOUD	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01
TEENAGE	VEG. ING	6.06E+00	9.96E+01	1.42E+01	1.42E+01	1.26E+01	0.00E+00
TEENAGE	MEAT ING	6.71E-01	1.09E+01	1.77E+00	1.77E+00	1.51E+00	0.00E+00
TEENAGE	MILK ING	1.25E+00	2.63E+01	1.75E+00	1.75E+00	1.93E+00	0.00E+00
TEENAGE	TOTALS	3.54E+01	2.93E+02	1.03E+02	2.61E+01	2.30E+01	1.36E+02
ADULT	INHAL.	2.26E+01	1.44E+02	6.79E+01	4.84E+00	3.41E+00	1.33E+02
ADULT	GROUND	2.36E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00
ADULT	CLOUD	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01
ADULT	VEG. ING	3.44E+00	4.20E+01	9.25E+00	9.25E+00	7.97E+00	0.00E+00
ADULT	MEAT ING	4.90E-01	6.02E+00	1.46E+00	1.46E+00	1.22E+00	0.00E+00
ADULT	MILK ING	2.41E-01	3.64E+00	4.33E-01	4.33E-01	4.49E-01	0.00E+00
ADULT	TOTALS	2.93E+01	1.98E+02	8.15E+01	1.85E+01	1.56E+01	1.36E+02

NUMBER 4 NAME-Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.48E+01	1.30E+02	2.78E+02	2.64E+01	2.07E+01	0.00E+00
INFANT	GROUND	4.45E-02	4.45E-02	4.45E-02	4.45E-02	4.45E-02	4.45E-02
INFANT	CLOUD	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.77E+00	1.94E+01	9.51E+00	9.51E+00	1.17E+01	0.00E+00
INFANT	TOTALS	5.06E+01	1.49E+02	2.88E+02	3.59E+01	3.24E+01	4.45E-02
CHILD	INHAL.	2.10E+01	1.10E+02	1.27E+02	1.06E+01	7.07E+00	0.00E+00
CHILD	GROUND	4.45E-02	4.45E-02	4.45E-02	4.45E-02	4.45E-02	4.45E-02
CHILD	CLOUD	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07
CHILD	VEG. ING	2.94E+00	1.48E+01	1.26E+01	1.26E+01	9.76E+00	0.00E+00
CHILD	MEAT ING	3.37E-01	1.68E+00	1.60E+00	1.60E+00	1.20E+00	0.00E+00
CHILD	MILK ING	7.00E-01	4.65E+00	2.15E+00	2.15E+00	2.00E+00	0.00E+00
CHILD	TOTALS	2.50E+01	1.31E+02	1.43E+02	2.70E+01	2.01E+01	4.45E-02
TEENAGE	INHAL.	1.34E+01	1.22E+02	6.52E+01	4.64E+00	3.54E+00	0.00E+00
TEENAGE	GROUND	4.45E-02	4.45E-02	4.45E-02	4.45E-02	4.45E-02	4.45E-02
TEENAGE	CLOUD	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07
TEENAGE	VEG. ING	4.80E+00	7.88E+01	1.12E+01	1.12E+01	9.96E+00	0.00E+00
TEENAGE	MEAT ING	5.31E-01	8.66E+00	1.40E+00	1.40E+00	1.20E+00	0.00E+00
TEENAGE	MILK ING	9.90E-01	2.08E+01	1.38E+00	1.38E+00	1.53E+00	0.00E+00
TEENAGE	TOTALS	1.98E+01	2.30E+02	7.93E+01	1.87E+01	1.63E+01	4.45E-02
ADULT	INHAL.	1.15E+01	1.14E+02	5.36E+01	3.83E+00	2.70E+00	0.00E+00
ADULT	GROUND	4.45E-02	4.45E-02	4.45E-02	4.45E-02	4.45E-02	4.45E-02
ADULT	CLOUD	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07	6.77E-07
ADULT	VEG. ING	2.72E+00	3.32E+01	7.32E+00	7.32E+00	6.31E+00	0.00E+00
ADULT	MEAT ING	3.88E-01	4.77E+00	1.15E+00	1.15E+00	9.66E-01	0.00E+00
ADULT	MILK ING	1.91E-01	2.88E+00	3.43E-01	3.43E-01	3.55E-01	0.00E+00
ADULT	TOTALS	1.49E+01	1.55E+02	6.25E+01	1.27E+01	1.04E+01	4.45E-02

REGION: Sweetwater Uranium Facility      CODE: MILDOS-AREA (03/89)      PAGE 139  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0  
 NUMBER 4 NAME=Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.13E+01	1.30E+02	2.78E+02	2.64E+01	2.07E+01	1.09E+02
INFANT	GROUND	1.87E+00	1.87E+00	1.87E+00	1.87E+00	1.87E+00	1.87E+00
INFANT	CLOUD	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.77E+00	1.94E+01	9.51E+00	9.51E+00	1.17E+01	0.00E+00
INFANT	TOTALS	5.90E+01	1.51E+02	2.90E+02	3.78E+01	3.43E+01	1.11E+02
CHILD	INHAL.	2.75E+01	1.10E+02	1.27E+02	1.06E+01	7.07E+00	1.09E+02
CHILD	GROUND	1.87E+00	1.87E+00	1.87E+00	1.87E+00	1.87E+00	1.87E+00
CHILD	CLOUD	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02
CHILD	VEG. ING	2.94E+00	1.48E+01	1.26E+01	1.26E+01	9.76E+00	0.00E+00
CHILD	MEAT ING	3.37E-01	1.68E+00	1.60E+00	1.60E+00	1.20E+00	0.00E+00
CHILD	MILK ING	7.00E-01	4.65E+00	2.15E+00	2.15E+00	2.00E+00	0.00E+00
CHILD	TOTALS	3.34E+01	1.33E+02	1.45E+02	2.89E+01	2.20E+01	1.11E+02
TEENAGE	INHAL.	1.99E+01	1.22E+02	6.52E+01	4.64E+00	3.54E+00	1.09E+02
TEENAGE	GROUND	1.87E+00	1.87E+00	1.87E+00	1.87E+00	1.87E+00	1.87E+00
TEENAGE	CLOUD	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02
TEENAGE	VEG. ING	4.80E+00	7.88E+01	1.12E+01	1.12E+01	9.96E+00	0.00E+00
TEENAGE	MEAT ING	5.31E-01	8.66E+00	1.40E+00	1.40E+00	1.20E+00	0.00E+00
TEENAGE	MILK ING	9.90E-01	2.08E+01	1.38E+00	1.38E+00	1.53E+00	0.00E+00
TEENAGE	TOTALS	2.82E+01	2.32E+02	8.12E+01	2.06E+01	1.82E+01	1.11E+02
ADULT	INHAL.	1.81E+01	1.14E+02	5.36E+01	3.83E+00	2.70E+00	1.09E+02
ADULT	GROUND	1.87E+00	1.87E+00	1.87E+00	1.87E+00	1.87E+00	1.87E+00
ADULT	CLOUD	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02	7.44E-02
ADULT	VEG. ING	2.72E+00	3.32E+01	7.32E+00	7.32E+00	6.31E+00	0.00E+00
ADULT	MEAT ING	3.88E-01	4.77E+00	1.15E+00	1.15E+00	9.66E-01	0.00E+00
ADULT	MILK ING	1.91E-01	2.88E+00	3.43E-01	3.43E-01	3.55E-01	0.00E+00
ADULT	TOTALS	2.33E+01	1.57E+02	6.44E+01	1.46E+01	1.23E+01	1.11E+02

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 140  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0  
 NUMBER 5 NAME=Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.42E+02	3.24E+02	9.43E+02	6.57E+01	5.21E+01	0.00E+00
INFANT	GROUND	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
INFANT	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.77E+01	5.78E+01	2.39E+01	2.39E+01	3.93E+01	0.00E+00
INFANT	TOTALS	1.60E+02	3.82E+02	9.67E+02	8.97E+01	9.15E+01	1.56E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.68E+01	2.73E+02	4.37E+02	2.65E+01	1.78E+01	0.00E+00
CHILD	GROUND	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
CHILD	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
CHILD	VEG. ING	7.61E+00	3.82E+01	3.15E+01	3.15E+01	2.59E+01	0.00E+00
CHILD	MEAT ING	8.59E-01	4.28E+00	4.00E+00	4.00E+00	3.10E+00	0.00E+00
CHILD	MILK ING	1.96E+00	1.26E+01	5.40E+00	5.40E+00	6.20E+00	0.00E+00
CHILD	TOTALS	7.74E+01	3.29E+02	4.78E+02	6.76E+01	5.32E+01	1.56E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.10E+01	3.04E+02	2.26E+02	1.16E+01	8.94E+00	0.00E+00
TEENAGE	GROUND	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
TEENAGE	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
TEENAGE	VEG. ING	1.23E+01	2.05E+02	2.81E+01	2.81E+01	2.65E+01	0.00E+00
TEENAGE	MEAT ING	1.35E+00	2.21E+01	3.50E+00	3.50E+00	3.09E+00	0.00E+00
TEENAGE	MILK ING	2.67E+00	5.63E+01	3.47E+00	3.47E+00	4.73E+00	0.00E+00
TEENAGE	TOTALS	5.75E+01	5.87E+02	2.61E+02	4.68E+01	4.34E+01	1.56E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.51E+01	2.85E+02	1.86E+02	9.54E+00	6.83E+00	0.00E+00
ADULT	GROUND	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
ADULT	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
ADULT	VEG. ING	6.96E+00	8.53E+01	1.83E+01	1.83E+01	1.67E+01	0.00E+00
ADULT	MEAT ING	9.82E-01	1.21E+01	2.89E+00	2.89E+00	2.48E+00	0.00E+00
ADULT	MILK ING	5.10E-01	7.67E+00	8.59E-01	8.59E-01	1.08E+00	0.00E+00
ADULT	TOTALS	4.37E+01	3.90E+02	2.08E+02	3.18E+01	2.72E+01	1.56E-01

REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 141  
 METSET: Sweetwater WY    DATA: 40cfr.1r    02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N    DURATION IN YRS IS... 3.0  
 NUMBER 5 NAME=Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.49E+02	3.24E+02	9.43E+02	6.57E+01	5.21E+01	1.24E+02
INFANT	GROUND	5.24E+00	5.24E+00	5.24E+00	5.24E+00	5.24E+00	5.24E+00
INFANT	CLOUD	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.87E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.77E+01	5.78E+01	2.39E+01	2.39E+01	3.93E+01	0.00E+00
INFANT	TOTALS	1.72E+02	3.87E+02	9.72E+02	9.50E+01	9.68E+01	1.30E+02
CHILD	INHAL.	7.42E+01	2.73E+02	4.37E+02	2.65E+01	1.78E+01	1.24E+02
CHILD	GROUND	5.24E+00	5.24E+00	5.24E+00	5.24E+00	5.24E+00	5.24E+00
CHILD	CLOUD	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.87E-01
CHILD	VEG. ING	7.61E+00	3.82E+01	3.15E+01	3.15E+01	2.59E+01	0.00E+00
CHILD	MEAT ING	8.59E-01	4.28E+00	4.00E+00	4.00E+00	3.10E+00	0.00E+00
CHILD	MILK ING	1.96E+00	1.26E+01	5.40E+00	5.40E+00	6.20E+00	0.00E+00
CHILD	TOTALS	9.01E+01	3.34E+02	4.83E+02	7.29E+01	5.85E+01	1.30E+02
TEENAGE	INHAL.	4.84E+01	3.04E+02	2.26E+02	1.16E+01	8.94E+00	1.24E+02
TEENAGE	GROUND	5.24E+00	5.24E+00	5.24E+00	5.24E+00	5.24E+00	5.24E+00
TEENAGE	CLOUD	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.87E-01
TEENAGE	VEG. ING	1.23E+01	2.05E+02	2.81E+01	2.81E+01	2.65E+01	0.00E+00
TEENAGE	MEAT ING	1.35E+00	2.21E+01	3.50E+00	3.50E+00	3.09E+00	0.00E+00
TEENAGE	MILK ING	2.67E+00	5.63E+01	3.47E+00	3.47E+00	4.73E+00	0.00E+00
TEENAGE	TOTALS	7.02E+01	5.92E+02	2.66E+02	5.21E+01	4.87E+01	1.30E+02
ADULT	INHAL.	4.25E+01	2.85E+02	1.86E+02	9.54E+00	6.83E+00	1.24E+02
ADULT	GROUND	5.24E+00	5.24E+00	5.24E+00	5.24E+00	5.24E+00	5.24E+00
ADULT	CLOUD	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.87E-01
ADULT	VEG. ING	6.96E+00	8.53E+01	1.83E+01	1.83E+01	1.67E+01	0.00E+00
ADULT	MEAT ING	9.82E-01	1.21E+01	2.89E+00	2.89E+00	2.48E+00	0.00E+00
ADULT	MILK ING	5.10E-01	7.67E+00	8.60E-01	8.60E-01	1.08E+00	0.00E+00
ADULT	TOTALS	5.64E+01	3.95E+02	2.14E+02	3.70E+01	3.25E+01	1.30E+02



REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 142  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N    DURATION IN YRS IS... 3.0  
 NUMBER 6 NAME-Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.42E+02	7.69E+02	2.28E+03	1.56E+02	1.24E+02	0.00E+00
INFANT	GROUND	3.78E-01	3.78E-01	3.78E-01	3.78E-01	3.78E-01	3.78E-01
INFANT	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.26E+01	1.39E+02	5.67E+01	5.67E+01	9.51E+01	0.00E+00
INFANT	TOTALS	3.85E+02	9.09E+02	2.34E+03	2.13E+02	2.19E+02	3.78E-01
CHILD	INHAL.	1.61E+02	6.49E+02	1.06E+03	6.29E+01	4.24E+01	0.00E+00
CHILD	GROUND	3.78E-01	3.78E-01	3.78E-01	3.78E-01	3.78E-01	3.78E-01
CHILD	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
CHILD	VEG. ING	1.81E+01	9.09E+01	7.48E+01	7.48E+01	6.18E+01	0.00E+00
CHILD	MEAT ING	2.04E+00	1.02E+01	9.50E+00	9.50E+00	7.38E+00	0.00E+00
CHILD	MILK ING	4.69E+00	3.01E+01	1.28E+01	1.28E+01	1.49E+01	0.00E+00
CHILD	TOTALS	1.86E+02	7.81E+02	1.16E+03	1.60E+02	1.27E+02	3.78E-01
TEENAGE	INHAL.	9.86E+01	7.21E+02	5.47E+02	2.74E+01	2.12E+01	0.00E+00
TEENAGE	GROUND	3.78E-01	3.78E-01	3.78E-01	3.78E-01	3.78E-01	3.78E-01
TEENAGE	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
TEENAGE	VEG. ING	2.94E+01	4.88E+02	6.67E+01	6.67E+01	6.32E+01	0.00E+00
TEENAGE	MEAT ING	3.21E+00	5.26E+01	8.31E+00	8.31E+00	7.36E+00	0.00E+00
TEENAGE	MILK ING	6.37E+00	1.35E+02	8.24E+00	8.24E+00	1.14E+01	0.00E+00
TEENAGE	TOTALS	1.38E+02	1.40E+03	6.30E+02	1.11E+02	1.04E+02	3.78E-01
ADULT	INHAL.	8.43E+01	6.76E+02	4.51E+02	2.26E+01	1.62E+01	0.00E+00
ADULT	GROUND	3.78E-01	3.78E-01	3.78E-01	3.78E-01	3.78E-01	3.78E-01
ADULT	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
ADULT	VEG. ING	1.66E+01	2.03E+02	4.35E+01	4.35E+01	3.97E+01	0.00E+00
ADULT	MEAT ING	2.33E+00	2.87E+01	6.87E+00	6.87E+00	5.91E+00	0.00E+00
ADULT	MILK ING	1.22E+00	1.83E+01	2.04E+00	2.04E+00	2.60E+00	0.00E+00
ADULT	TOTALS	1.05E+02	9.27E+02	5.04E+02	7.54E+01	6.48E+01	3.78E-01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 143  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, HAS = 1, N      DURATION IN YRS IS... 3.0  
 NUMBER 6 NAME=Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.58E+02	7.69E+02	2.28E+03	1.56E+02	1.24E+02	2.58E+02
INFANT	GROUND	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.25E+01
INFANT	CLOUD	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.26E+01	1.39E+02	5.67E+01	5.67E+01	9.51E+01	0.00E+00
INFANT	TOTALS	4.13E+02	9.21E+02	2.35E+03	2.25E+02	2.31E+02	2.70E+02
CHILD	INHAL.	1.77E+02	6.49E+02	1.06E+03	6.29E+01	4.24E+01	2.58E+02
CHILD	GROUND	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.25E+01
CHILD	CLOUD	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01
CHILD	VEG. ING	1.81E+01	9.09E+01	7.48E+01	7.48E+01	6.18E+01	0.00E+00
CHILD	MEAT ING	2.04E+00	1.02E+01	9.50E+00	9.50E+00	7.38E+00	0.00E+00
CHILD	MILK ING	4.69E+00	3.01E+01	1.28E+01	1.28E+01	1.49E+01	0.00E+00
CHILD	TOTALS	2.14E+02	7.93E+02	1.17E+03	1.73E+02	1.39E+02	2.70E+02
TEENAGE	INHAL.	1.14E+02	7.21E+02	5.47E+02	2.74E+01	2.12E+01	2.58E+02
TEENAGE	GROUND	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.25E+01
TEENAGE	CLOUD	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01
TEENAGE	VEG. ING	2.94E+01	4.88E+02	6.67E+01	6.67E+01	6.32E+01	0.00E+00
TEENAGE	MEAT ING	3.21E+00	5.26E+01	8.31E+00	8.31E+00	7.36E+00	0.00E+00
TEENAGE	MILK ING	6.37E+00	1.35E+02	8.24E+00	8.24E+00	1.14E+01	0.00E+00
TEENAGE	TOTALS	1.66E+02	1.41E+03	6.43E+02	1.23E+02	1.16E+02	2.70E+02
ADULT	INHAL.	9.98E+01	6.76E+02	4.51E+02	2.27E+01	1.62E+01	2.58E+02
ADULT	GROUND	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.25E+01
ADULT	CLOUD	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01
ADULT	VEG. ING	1.66E+01	2.03E+02	4.35E+01	4.35E+01	3.97E+01	0.00E+00
ADULT	MEAT ING	2.33E+00	2.87E+01	6.87E+00	6.87E+00	5.91E+00	0.00E+00
ADULT	MILK ING	1.22E+00	1.83E+01	2.04E+00	2.04E+00	2.60E+00	0.00E+00
ADULT	TOTALS	1.33E+02	9.39E+02	5.16E+02	8.78E+01	7.71E+01	2.70E+02

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 144  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0  
 NUMBER 7 NAME-Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.71E+01	1.98E+02	4.14E+02	4.02E+01	3.15E+01	0.00E+00
INFANT	GROUND	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02
INFANT	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.67E+00	2.92E+01	1.45E+01	1.45E+01	1.74E+01	0.00E+00
INFANT	TOTALS	7.58E+01	2.27E+02	4.29E+02	5.48E+01	4.91E+01	6.61E-02
CHILD	INHAL.	3.14E+01	1.67E+02	1.88E+02	1.62E+01	1.08E+01	0.00E+00
CHILD	GROUND	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02
CHILD	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
CHILD	VEG. ING	4.47E+00	2.25E+01	1.92E+01	1.92E+01	1.48E+01	0.00E+00
CHILD	MEAT ING	5.13E-01	2.56E+00	2.44E+00	2.44E+00	1.83E+00	0.00E+00
CHILD	MILK ING	1.06E+00	7.06E+00	3.28E+00	3.28E+00	3.00E+00	0.00E+00
CHILD	TOTALS	3.75E+01	1.99E+02	2.13E+02	4.12E+01	3.05E+01	6.61E-02
TEENAGE	INHAL.	2.01E+01	1.86E+02	9.70E+01	7.07E+00	5.39E+00	0.00E+00
TEENAGE	GROUND	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02
TEENAGE	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
TEENAGE	VEG. ING	7.30E+00	1.20E+02	1.71E+01	1.71E+01	1.51E+01	0.00E+00
TEENAGE	MEAT ING	8.09E-01	1.32E+01	2.13E+00	2.13E+00	1.82E+00	0.00E+00
TEENAGE	MILK ING	1.50E+00	3.15E+01	2.11E+00	2.11E+00	2.29E+00	0.00E+00
TEENAGE	TOTALS	2.98E+01	3.50E+02	1.18E+02	2.85E+01	2.47E+01	6.61E-02
ADULT	INHAL.	1.73E+01	1.74E+02	7.97E+01	5.84E+00	4.11E+00	0.00E+00
ADULT	GROUND	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02
ADULT	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
ADULT	VEG. ING	4.15E+00	5.06E+01	1.12E+01	1.12E+01	9.58E+00	0.00E+00
ADULT	MEAT ING	5.91E-01	7.26E+00	1.76E+00	1.76E+00	1.47E+00	0.00E+00
ADULT	MILK ING	2.89E-01	4.37E+00	5.23E-01	5.23E-01	5.34E-01	0.00E+00
ADULT	TOTALS	2.24E+01	2.36E+02	9.32E+01	1.94E+01	1.58E+01	6.61E-02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 145  
 METSET: Sweetwater WY. DATA: 40cif.in 02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0  
 NUMBER 7 NAME-Restricted Area Bour X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.73E+01	1.98E+02	4.14E+02	4.02E+01	3.15E+01	1.70E+02
INFANT	GROUND	2.83E+00	2.83E+00	2.83E+00	2.83E+00	2.83E+00	2.83E+00
INFANT	CLOUD	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.67E+00	2.92E+01	1.45E+01	1.45E+01	1.74E+01	0.00E+00
INFANT	TOTALS	8.90E+01	2.30E+02	4.32E+02	5.77E+01	5.20E+01	1.73E+02
CHILD	INHAL.	4.16E+01	1.67E+02	1.88E+02	1.62E+01	1.08E+01	1.70E+02
CHILD	GROUND	2.83E+00	2.83E+00	2.83E+00	2.83E+00	2.83E+00	2.83E+00
CHILD	CLOUD	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01
CHILD	VEG. ING	4.47E+00	2.25E+01	1.92E+01	1.92E+01	1.48E+01	0.00E+00
CHILD	MEAT ING	5.13E-01	2.56E+00	2.44E+00	2.44E+00	1.83E+00	0.00E+00
CHILD	MILK ING	1.06E+00	7.06E+00	3.28E+00	3.28E+00	3.00E+00	0.00E+00
CHILD	TOTALS	5.07E+01	2.02E+02	2.16E+02	4.41E+01	3.34E+01	1.73E+02
TEENAGE	INHAL.	3.04E+01	1.86E+02	9.70E+01	7.07E+00	5.39E+00	1.70E+02
TEENAGE	GROUND	2.83E+00	2.83E+00	2.83E+00	2.83E+00	2.83E+00	2.83E+00
TEENAGE	CLOUD	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01
TEENAGE	VEG. ING	7.30E+00	1.20E+02	1.71E+01	1.71E+01	1.51E+01	0.00E+00
TEENAGE	MEAT ING	8.09E-01	1.32E+01	2.13E+00	2.13E+00	1.82E+00	0.00E+00
TEENAGE	MILK ING	1.50E+00	3.15E+01	2.11E+00	2.11E+00	2.29E+00	0.00E+00
TEENAGE	TOTALS	4.30E+01	3.53E+02	1.21E+02	3.14E+01	2.76E+01	1.73E+02
ADULT	INHAL.	2.76E+01	1.74E+02	7.97E+01	5.84E+00	4.11E+00	1.70E+02
ADULT	GROUND	2.83E+00	2.83E+00	2.83E+00	2.83E+00	2.83E+00	2.83E+00
ADULT	CLOUD	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01
ADULT	VEG. ING	4.15E+00	5.06E+01	1.12E+01	1.12E+01	9.58E+00	0.00E+00
ADULT	MEAT ING	5.91E-01	7.26E+00	1.76E+00	1.76E+00	1.47E+00	0.00E+00
ADULT	MILK ING	2.90E-01	4.37E+00	5.23E-01	5.23E-01	5.34E-01	0.00E+00
ADULT	TOTALS	3.56E+01	2.39E+02	9.61E+01	2.23E+01	1.87E+01	1.73E+02

REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 146  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N    DURATION IN YRS IS... 3.0  
 NUMBER 8 NAME=Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.92E+01	2.40E+02	6.50E+02	4.87E+01	3.85E+01	0.00E+00
INFANT	GROUND	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01
INFANT	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.25E+01	4.10E+01	1.77E+01	1.77E+01	2.71E+01	0.00E+00
INFANT	TOTALS	1.12E+02	2.81E+02	6.68E+02	6.64E+01	6.57E+01	1.07E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.67E+01	2.02E+02	3.00E+02	1.96E+01	1.32E+01	0.00E+00
CHILD	GROUND	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01
CHILD	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
CHILD	VEG. ING	5.58E+00	2.80E+01	2.33E+01	2.33E+01	1.89E+01	0.00E+00
CHILD	MEAT ING	6.32E-01	3.15E+00	2.96E+00	2.96E+00	2.28E+00	0.00E+00
CHILD	MILK ING	1.41E+00	9.14E+00	3.99E+00	3.99E+00	4.35E+00	0.00E+00
CHILD	TOTALS	5.44E+01	2.43E+02	3.30E+02	5.00E+01	3.88E+01	1.07E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.89E+01	2.25E+02	1.55E+02	8.56E+00	6.60E+00	0.00E+00
TEENAGE	GROUND	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01
TEENAGE	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
TEENAGE	VEG. ING	9.06E+00	1.50E+02	2.08E+01	2.08E+01	1.93E+01	0.00E+00
TEENAGE	MEAT ING	9.95E-01	1.63E+01	2.59E+00	2.59E+00	2.27E+00	0.00E+00
TEENAGE	MILK ING	1.94E+00	4.09E+01	2.57E+00	2.57E+00	3.32E+00	0.00E+00
TEENAGE	TOTALS	4.10E+01	4.32E+02	1.81E+02	3.46E+01	3.16E+01	1.07E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.47E+01	2.11E+02	1.28E+02	7.07E+00	5.04E+00	0.00E+00
ADULT	GROUND	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01	1.07E-01
ADULT	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
ADULT	VEG. ING	5.13E+00	6.27E+01	1.36E+01	1.36E+01	1.22E+01	0.00E+00
ADULT	MEAT ING	7.25E-01	8.92E+00	2.14E+00	2.14E+00	1.83E+00	0.00E+00
ADULT	MILK ING	3.71E-01	5.59E+00	6.36E-01	6.36E-01	7.63E-01	0.00E+00
ADULT	TOTALS	3.11E+01	2.88E+02	1.44E+02	2.35E+01	1.99E+01	1.07E-01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 147  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0  
 NUMBER 8 NAME-Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

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 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.06E+02	2.40E+02	6.50E+02	4.87E+01	3.85E+01	1.20E+02
INFANT	GROUND	3.77E+00	3.77E+00	3.77E+00	3.77E+00	3.77E+00	3.77E+00
INFANT	CLOUD	1.63E-01	1.63E-01	1.63E-01	1.63E-01	1.63E-01	1.63E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.25E+01	4.10E+01	1.77E+01	1.77E+01	2.71E+01	0.00E+00
INFANT	TOTALS	1.23E+02	2.85E+02	6.72E+02	7.03E+01	6.96E+01	1.24E+02
CHILD	INHAL.	5.38E+01	2.02E+02	3.00E+02	1.96E+01	1.32E+01	1.20E+02
CHILD	GROUND	3.77E+00	3.77E+00	3.77E+00	3.77E+00	3.77E+00	3.77E+00
CHILD	CLOUD	1.63E-01	1.63E-01	1.63E-01	1.63E-01	1.63E-01	1.63E-01
CHILD	VEG. ING	5.58E+00	2.80E+01	2.33E+01	2.33E+01	1.89E+01	0.00E+00
CHILD	MEAT ING	6.33E-01	3.15E+00	2.96E+00	2.96E+00	2.28E+00	0.00E+00
CHILD	MILK ING	1.41E+00	9.15E+00	3.99E+00	3.99E+00	4.36E+00	0.00E+00
CHILD	TOTALS	6.54E+01	2.47E+02	3.34E+02	5.39E+01	4.26E+01	1.24E+02
TEENAGE	INHAL.	3.61E+01	2.25E+02	1.55E+02	8.57E+00	6.60E+00	1.20E+02
TEENAGE	GROUND	3.77E+00	3.77E+00	3.77E+00	3.77E+00	3.77E+00	3.77E+00
TEENAGE	CLOUD	1.63E-01	1.63E-01	1.63E-01	1.63E-01	1.63E-01	1.63E-01
TEENAGE	VEG. ING	9.07E+00	1.50E+02	2.08E+01	2.08E+01	1.93E+01	0.00E+00
TEENAGE	MEAT ING	9.95E-01	1.63E+01	2.59E+00	2.59E+00	2.27E+00	0.00E+00
TEENAGE	MILK ING	1.94E+00	4.09E+01	2.57E+00	2.57E+00	3.33E+00	0.00E+00
TEENAGE	TOTALS	5.20E+01	4.36E+02	1.85E+02	3.85E+01	3.54E+01	1.24E+02
ADULT	INHAL.	3.19E+01	2.11E+02	1.28E+02	7.07E+00	5.04E+00	1.20E+02
ADULT	GROUND	3.77E+00	3.77E+00	3.77E+00	3.77E+00	3.77E+00	3.77E+00
ADULT	CLOUD	1.63E-01	1.63E-01	1.63E-01	1.63E-01	1.63E-01	1.63E-01
ADULT	VEG. ING	5.13E+00	6.27E+01	1.36E+01	1.36E+01	1.22E+01	0.00E+00
ADULT	MEAT ING	7.25E-01	8.92E+00	2.14E+00	2.14E+00	1.83E+00	0.00E+00
ADULT	MILK ING	3.71E-01	5.59E+00	6.36E-01	6.36E-01	7.63E-01	0.00E+00
ADULT	TOTALS	4.21E+01	2.92E+02	1.48E+02	2.73E+01	2.37E+01	1.24E+02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 148  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0  
 NUMBER 9 NAME-Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.89E+02	6.19E+02	1.95E+03	1.25E+02	9.96E+01	0.00E+00
INFANT	GROUND	3.24E-01	3.24E-01	3.24E-01	3.24E-01	3.24E-01	3.24E-01
INFANT	CLOUD	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.58E+01	1.16E+02	4.56E+01	4.56E+01	8.11E+01	0.00E+00
INFANT	TOTALS	3.25E+02	7.35E+02	1.99E+03	1.71E+02	1.81E+02	3.24E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.36E+02	5.22E+02	9.05E+02	5.06E+01	3.41E+01	0.00E+00
CHILD	GROUND	3.24E-01	3.24E-01	3.24E-01	3.24E-01	3.24E-01	3.24E-01
CHILD	CLOUD	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06
CHILD	VEG. ING	1.47E+01	7.37E+01	6.02E+01	6.02E+01	5.04E+01	0.00E+00
CHILD	MEAT ING	1.65E+00	8.21E+00	7.65E+00	7.65E+00	5.98E+00	0.00E+00
CHILD	MILK ING	3.86E+00	2.47E+01	1.03E+01	1.03E+01	1.26E+01	0.00E+00
CHILD	TOTALS	1.57E+02	6.29E+02	9.84E+02	1.29E+02	1.03E+02	3.24E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.27E+01	5.80E+02	4.68E+02	2.20E+01	1.71E+01	0.00E+00
TEENAGE	GROUND	3.24E-01	3.24E-01	3.24E-01	3.24E-01	3.24E-01	3.24E-01
TEENAGE	CLOUD	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06
TEENAGE	VEG. ING	2.38E+01	3.96E+02	5.37E+01	5.37E+01	5.15E+01	0.00E+00
TEENAGE	MEAT ING	2.59E+00	4.25E+01	6.69E+00	6.69E+00	5.96E+00	0.00E+00
TEENAGE	MILK ING	5.21E+00	1.10E+02	6.63E+00	6.63E+00	9.58E+00	0.00E+00
TEENAGE	TOTALS	1.15E+02	1.13E+03	5.36E+02	8.94E+01	8.45E+01	3.24E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.06E+01	5.44E+02	3.87E+02	1.82E+01	1.31E+01	0.00E+00
ADULT	GROUND	3.24E-01	3.24E-01	3.24E-01	3.24E-01	3.24E-01	3.24E-01
ADULT	CLOUD	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06	4.96E-06
ADULT	VEG. ING	1.34E+01	1.64E+02	3.50E+01	3.50E+01	3.23E+01	0.00E+00
ADULT	MEAT ING	1.88E+00	2.32E+01	5.52E+00	5.52E+00	4.79E+00	0.00E+00
ADULT	MILK ING	9.93E-01	1.49E+01	1.64E+00	1.64E+00	2.18E+00	0.00E+00
ADULT	TOTALS	8.72E+01	7.46E+02	4.29E+02	6.07E+01	5.27E+01	3.24E-01

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.98E+02	6.19E+02	1.95E+03	1.25E+02	9.97E+01	1.60E+02
INFANT	GROUND	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01
INFANT	CLOUD	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.58E+01	1.16E+02	4.56E+01	4.56E+01	8.11E+01	0.00E+00
INFANT	TOTALS	3.45E+02	7.45E+02	2.00E+03	1.82E+02	1.91E+02	1.70E+02
CHILD	INHAL.	1.46E+02	5.22E+02	9.05E+02	5.06E+01	3.41E+01	1.60E+02
CHILD	GROUND	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01
CHILD	CLOUD	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01
CHILD	VEG. ING	1.47E+01	7.37E+01	6.02E+01	6.02E+01	5.04E+01	0.00E+00
CHILD	MEAT ING	1.65E+00	8.21E+00	7.65E+00	7.65E+00	5.98E+00	0.00E+00
CHILD	MILK ING	3.86E+00	2.47E+01	1.03E+01	1.03E+01	1.26E+01	0.00E+00
CHILD	TOTALS	1.76E+02	6.39E+02	9.94E+02	1.39E+02	1.14E+02	1.70E+02
TEENAGE	INHAL.	9.22E+01	5.80E+02	4.68E+02	2.20E+01	1.71E+01	1.60E+02
TEENAGE	GROUND	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01
TEENAGE	CLOUD	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01
TEENAGE	VEG. ING	2.38E+01	3.96E+02	5.37E+01	5.37E+01	5.16E+01	0.00E+00
TEENAGE	MEAT ING	2.59E+00	4.25E+01	6.69E+00	6.69E+00	5.96E+00	0.00E+00
TEENAGE	MILK ING	5.21E+00	1.10E+02	6.63E+00	6.63E+00	9.58E+00	0.00E+00
TEENAGE	TOTALS	1.34E+02	1.14E+03	5.46E+02	9.96E+01	9.48E+01	1.70E+02
ADULT	INHAL.	8.02E+01	5.44E+02	3.87E+02	1.82E+01	1.31E+01	1.60E+02
ADULT	GROUND	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01
ADULT	CLOUD	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01	2.23E-01
ADULT	VEG. ING	1.34E+01	1.64E+02	3.50E+01	3.50E+01	3.23E+01	0.00E+00
ADULT	MEAT ING	1.88E+00	2.32E+01	5.52E+00	5.52E+00	4.79E+00	0.00E+00
ADULT	MILK ING	9.93E-01	1.49E+01	1.64E+00	1.64E+00	2.18E+00	0.00E+00
ADULT	TOTALS	1.07E+02	7.57E+02	4.39E+02	7.09E+01	6.30E+01	1.70E+02



REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 150  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0

NUMBER 10 NAME-Bailroil      X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.78E-01	4.78E-01	1.13E+00	9.70E-02	7.63E-02	0.30E+00
INFANT	GROUND	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04
INFANT	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.27E-02	7.55E-02	3.50E-02	3.50E-02	4.75E-02	0.00E+00
INFANT	TOTALS	2.01E-01	5.53E-01	1.17E+00	1.32E-01	1.24E-01	1.83E-04
CHILD	INHAL.	8.35E-02	4.03E-01	5.19E-01	3.91E-02	2.61E-02	0.00E+00
CHILD	GROUND	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04
CHILD	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
CHILD	VEG. ING	1.09E-02	5.49E-02	4.64E-02	4.64E-02	3.66E-02	0.00E+00
CHILD	MEAT ING	1.25E-03	6.22E-03	5.88E-03	5.88E-03	4.47E-03	0.00E+00
CHILD	MILK ING	2.67E-03	1.76E-02	7.93E-03	7.93E-03	7.88E-03	0.00E+00
CHILD	TOTALS	9.86E-02	4.82E-01	5.79E-01	9.95E-02	7.52E-02	1.83E-04
TEENAGE	INHAL.	5.26E-02	4.48E-01	2.68E-01	1.70E-02	1.31E-02	0.00E+00
TEENAGE	GROUND	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04
TEENAGE	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
TEENAGE	VEG. ING	1.78E-02	2.93E-01	4.14E-02	4.14E-02	3.74E-02	0.00E+00
TEENAGE	MEAT ING	1.97E-03	3.21E-02	5.15E-03	5.15E-03	4.45E-03	0.00E+00
TEENAGE	MILK ING	3.73E-03	7.84E-02	5.09E-03	5.09E-03	6.02E-03	0.00E+00
TEENAGE	TOTALS	7.63E-02	8.52E-01	3.19E-01	6.88E-02	6.11E-02	1.83E-04
ADULT	INHAL.	4.52E-02	4.20E-01	2.20E-01	1.41E-02	9.97E-03	0.00E+00
ADULT	GROUND	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04
ADULT	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
ADULT	VEG. ING	1.01E-02	1.23E-01	2.70E-02	2.70E-02	2.36E-02	0.00E+00
ADULT	MEAT ING	1.43E-03	1.76E-02	4.25E-03	4.25E-03	3.59E-03	0.00E+00
ADULT	MILK ING	7.16E-04	1.08E-02	1.26E-03	1.26E-03	1.39E-03	0.00E+00
ADULT	TOTALS	5.76E-02	5.72E-01	2.53E-01	4.67E-02	3.87E-02	1.83E-04

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 151  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0  
 NUMBER 10 NAME=Bailroil X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.18E-01	5.06E-01	1.14E+00	2.44E-01	1.34E-01	2.19E+00
INFANT	GROUND	7.41E-03	7.41E-03	7.41E-03	7.41E-03	7.41E-03	7.41E-03
INFANT	CLOUD	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.77E-02	8.54E-02	5.34E-02	5.34E-02	6.37E-02	0.00E+00
INFANT	TOTALS	3.72E-01	6.17E-01	1.21E+00	3.24E-01	2.23E-01	2.21E+00
CHILD	INHAL.	2.19E-01	4.25E-01	5.20E-01	1.05E-01	5.31E-02	2.19E+00
CHILD	GROUND	7.41E-03	7.41E-03	7.41E-03	7.41E-03	7.41E-03	7.41E-03
CHILD	CLOUD	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02
CHILD	VEG. ING	1.59E-02	7.73E-02	7.27E-02	7.27E-02	5.59E-02	0.00E+00
CHILD	MEAT ING	1.88E-03	9.08E-03	9.26E-03	9.26E-03	6.95E-03	0.00E+00
CHILD	MILK ING	3.47E-03	2.12E-02	1.22E-02	1.22E-02	1.10E-02	0.00E+00
CHILD	TOTALS	2.66E-01	5.58E-01	6.40E-01	2.25E-01	1.53E-01	2.21E+00
TEENAGE	INHAL.	1.88E-01	5.01E-01	2.68E-01	4.51E-02	2.66E-02	2.19E+00
TEENAGE	GROUND	7.41E-03	7.41E-03	7.41E-03	7.41E-03	7.41E-03	7.41E-03
TEENAGE	CLOUD	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02
TEENAGE	VEG. ING	2.52E-02	4.02E-01	6.48E-02	6.48E-02	5.68E-02	0.00E+00
TEENAGE	MEAT ING	2.89E-03	4.57E-02	8.10E-03	8.10E-03	6.89E-03	0.00E+00
TEENAGE	MILK ING	4.59E-03	9.11E-02	7.83E-03	7.83E-03	8.29E-03	0.00E+00
TEENAGE	TOTALS	2.47E-01	1.07E+00	3.75E-01	1.52E-01	1.24E-01	2.21E+00
ADULT	INHAL.	1.80E-01	4.51E-01	2.21E-01	3.75E-02	2.12E-02	2.19E+00
ADULT	GROUND	7.41E-03	7.41E-03	7.41E-03	7.41E-03	7.41E-03	7.41E-03
ADULT	CLOUD	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02
ADULT	VEG. ING	1.46E-02	1.75E-01	4.23E-02	4.23E-02	3.61E-02	0.00E+00
ADULT	MEAT ING	2.14E-03	2.58E-02	6.69E-03	6.69E-03	5.57E-03	0.00E+00
ADULT	MILK ING	9.16E-04	1.31E-02	1.95E-03	1.95E-03	1.95E-03	0.00E+00
ADULT	TOTALS	2.24E-01	6.91E-01	2.97E-01	1.14E-01	9.05E-02	2.21E+00

NUMBER 11 NAME=Jeffrey City X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.63E-01	4.31E-01	1.04E+00	8.75E-02	6.89E-02	0.00E+00
INFANT	GROUND	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04
INFANT	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.08E-02	6.89E-02	3.17E-02	3.17E-02	4.37E-02	0.00E+00
INFANT	TOTALS	1.84E-01	5.00E-01	1.08E+00	1.19E-01	1.13E-01	1.69E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.66E-02	3.64E-01	4.79E-01	3.53E-02	2.36E-02	0.00E+00
CHILD	GROUND	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04
CHILD	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
CHILD	VEG. ING	9.89E-03	4.97E-02	4.19E-02	4.19E-02	3.32E-02	0.00E+00
CHILD	MEAT ING	1.13E-03	5.62E-03	5.31E-03	5.31E-03	4.04E-03	0.00E+00
CHILD	MILK ING	2.43E-03	1.59E-02	7.16E-03	7.16E-03	7.22E-03	0.00E+00
CHILD	TOTALS	9.02E-02	4.35E-01	5.33E-01	8.98E-02	6.81E-02	1.69E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.81E-02	4.04E-01	2.47E-01	1.54E-02	1.18E-02	0.00E+00
TEENAGE	GROUND	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04
TEENAGE	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
TEENAGE	VEG. ING	1.61E-02	2.66E-01	3.73E-02	3.73E-02	3.39E-02	0.00E+00
TEENAGE	MEAT ING	1.78E-03	2.90E-02	4.65E-03	4.65E-03	4.03E-03	0.00E+00
TEENAGE	MILK ING	3.38E-03	7.12E-02	4.60E-03	4.60E-03	5.51E-03	0.00E+00
TEENAGE	TOTALS	6.96E-02	7.70E-01	2.94E-01	6.22E-02	5.54E-02	1.69E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.13E-02	3.79E-01	2.03E-01	1.27E-02	9.01E-03	0.00E+00
ADULT	GROUND	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04
ADULT	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
ADULT	VEG. ING	9.13E-03	1.11E-01	2.43E-02	2.43E-02	2.14E-02	0.00E+00
ADULT	MEAT ING	1.30E-03	1.59E-02	3.84E-03	3.84E-03	3.24E-03	0.00E+00
ADULT	MILK ING	6.50E-04	9.80E-03	1.14E-03	1.14E-03	1.27E-03	0.00E+00
ADULT	TOTALS	5.26E-02	5.17E-01	2.33E-01	4.22E-02	3.51E-02	1.69E-04

REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 153  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N    DURATION IN YRS IS... 3.0  
 NUMBER 11 NAME-Jeffrey City    X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.15E-01	4.47E-01	1.05E+00	1.67E-01	1.00E-01	7.83E-01
INFANT	GROUND	6.58E-03	6.58E-03	6.58E-03	6.58E-03	6.58E-03	6.58E-03
INFANT	CLOUD	6.76E-03	6.76E-03	6.76E-03	6.76E-03	6.76E-03	6.76E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.35E-02	7.43E-02	4.16E-02	4.16E-02	5.25E-02	0.00E+00
INFANT	TOTALS	2.52E-01	5.34E-01	1.10E+00	2.22E-01	1.66E-01	7.97E-01
CHILD	INHAL.	1.26E-01	3.76E-01	4.79E-01	7.08E-02	3.82E-02	7.83E-01
CHILD	GROUND	6.58E-03	6.58E-03	6.58E-03	6.58E-03	6.58E-03	6.58E-03
CHILD	CLOUD	6.76E-03	6.76E-03	6.76E-03	6.76E-03	6.76E-03	6.76E-03
CHILD	VEG. ING	1.26E-02	6.18E-02	5.61E-02	5.61E-02	4.36E-02	0.00E+00
CHILD	MEAT ING	1.47E-03	7.17E-03	7.14E-03	7.14E-03	5.38E-03	0.00E+00
CHILD	MILK ING	2.86E-03	1.79E-02	9.49E-03	9.49E-03	8.93E-03	0.00E+00
CHILD	TOTALS	1.56E-01	4.76E-01	5.66E-01	1.57E-01	1.09E-01	7.97E-01
TEENAGE	INHAL.	9.76E-02	4.33E-01	2.47E-01	3.06E-02	1.91E-02	7.83E-01
TEENAGE	GROUND	6.58E-03	6.58E-03	6.58E-03	6.58E-03	6.58E-03	6.58E-03
TEENAGE	CLOUD	6.76E-03	6.76E-03	6.76E-03	6.76E-03	6.76E-03	6.76E-03
TEENAGE	VEG. ING	2.01E-02	3.24E-01	5.00E-02	5.00E-02	4.44E-02	0.00E+00
TEENAGE	MEAT ING	2.28E-03	3.64E-02	6.24E-03	6.24E-03	5.35E-03	0.00E+00
TEENAGE	MILK ING	3.85E-03	7.81E-02	6.08E-03	6.08E-03	6.74E-03	0.00E+00
TEENAGE	TOTALS	1.37E-01	8.85E-01	3.23E-01	1.06E-01	8.89E-02	7.97E-01
ADULT	INHAL.	9.04E-02	3.96E-01	2.04E-01	2.54E-02	1.51E-02	7.83E-01
ADULT	GROUND	6.58E-03	6.58E-03	6.58E-03	6.58E-03	6.58E-03	6.58E-03
ADULT	CLOUD	6.76E-03	6.76E-03	6.76E-03	6.76E-03	6.76E-03	6.76E-03
ADULT	VEG. ING	1.15E-02	1.39E-01	3.26E-02	3.26E-02	2.81E-02	0.00E+00
ADULT	MEAT ING	1.68E-03	2.04E-02	5.16E-03	5.16E-03	4.32E-03	0.00E+00
ADULT	MILK ING	7.58E-04	1.10E-02	1.51E-03	1.51E-03	1.58E-03	0.00E+00
ADULT	TOTALS	1.18E-01	5.80E-01	2.56E-01	7.80E-02	6.25E-02	7.97E-01

REGION: Sweetwater Uranium Fac11 CODE: MILDOS-AREA (03/89) PAGE 154  
 METSET: Sweetwater WY DATA: 40cfr.1n 02/25/94  
 TIME STEP NUMBER 3, NEX = 0, WAS = 1, N DURATION IN YRS IS... 3.0  
 NUMBER 12 NAME=Rawlins X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.35E-02	8.90E-02	2.14E-01	1.81E-02	1.42E-02	0.00E+00
INFANT	GROUND	3.47E-05	3.47E-05	3.47E-05	3.47E-05	3.47E-05	3.47E-05
INFANT	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.27E-03	1.42E-02	6.53E-03	6.53E-03	8.98E-03	0.00E+00
INFANT	TOTALS	3.78E-02	1.03E-01	2.21E-01	2.46E-02	2.32E-02	3.47E-05
CHILD	INHAL.	1.57E-02	7.51E-02	9.82E-02	7.28E-03	4.86E-03	0.00E+00
CHILD	GROUND	3.47E-05	3.47E-05	3.47E-05	3.47E-05	3.47E-05	3.47E-05
CHILD	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
CHILD	VEG. ING	2.04E-03	1.03E-02	8.64E-03	8.64E-03	6.83E-03	0.00E+00
CHILD	MEAT ING	2.33E-04	1.16E-03	1.10E-03	1.10E-03	8.33E-04	0.00E+00
CHILD	MILK ING	5.00E-04	3.28E-03	1.48E-03	1.48E-03	1.48E-03	0.00E+00
CHILD	TOTALS	1.86E-02	8.98E-02	1.09E-01	1.85E-02	1.40E-02	3.47E-05
TEENAGE	INHAL.	9.90E-03	8.34E-02	5.07E-02	3.18E-03	2.43E-03	0.00E+00
TEENAGE	GROUND	3.47E-05	3.47E-05	3.47E-05	3.47E-05	3.47E-05	3.47E-05
TEENAGE	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
TEENAGE	VEG. ING	3.32E-03	5.48E-02	7.70E-03	7.70E-03	6.98E-03	0.00E+00
TEENAGE	MEAT ING	3.66E-04	5.98E-03	9.59E-04	9.59E-04	8.30E-04	0.00E+00
TEENAGE	MILK ING	6.97E-04	1.47E-02	9.49E-04	9.49E-04	1.13E-03	0.00E+00
TEENAGE	TOTALS	1.43E-02	1.59E-01	6.03E-02	1.28E-02	1.14E-02	3.47E-05
ADULT	INHAL.	8.50E-03	7.83E-02	4.17E-02	2.62E-03	1.86E-03	0.00E+00
ADULT	GROUND	3.47E-05	3.47E-05	3.47E-05	3.47E-05	3.47E-05	3.47E-05
ADULT	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
ADULT	VEG. ING	1.88E-03	2.30E-02	5.02E-03	5.02E-03	4.41E-03	0.00E+00
ADULT	MEAT ING	2.67E-04	3.28E-03	7.92E-04	7.92E-04	6.69E-04	0.00E+00
ADULT	MILK ING	1.34E-04	2.02E-03	2.35E-04	2.35E-04	2.62E-04	0.00E+00
ADULT	TOTALS	1.08E-02	1.07E-01	4.78E-02	8.71E-03	7.23E-03	3.47E-05

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 155  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER, 3,    NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0  
 NUMBER 12    NAME=Rawlins      X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCH:
INFANT	INHAL.	5.68E-02	9.64E-02	2.15E-01	5.68E-02	2.93E-02	3.47E-01
INFANT	GROUND	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03
INFANT	CLOUD	2.99E-03	2.99E-03	2.99E-03	2.99E-03	2.99E-03	2.99E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.59E-03	1.68E-02	1.14E-02	1.14E-02	1.32E-02	0.00E+00
INFANT	TOTALS	6.68E-02	1.18E-01	2.31E-01	7.26E-02	4.69E-02	3.52E-01
CHILD	INHAL.	3.78E-02	8.07E-02	9.86E-02	2.45E-02	1.20E-02	3.47E-01
CHILD	GROUND	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03
CHILD	CLOUD	2.99E-03	2.99E-03	2.99E-03	2.99E-03	2.99E-03	2.99E-03
CHILD	VEG. ING	3.34E-03	1.61E-02	1.56E-02	1.56E-02	1.19E-02	0.00E+00
CHILD	MEAT ING	3.99E-04	1.91E-03	1.98E-03	1.98E-03	1.49E-03	0.00E+00
CHILD	MILK ING	7.12E-04	4.24E-03	2.61E-03	2.61E-03	2.31E-03	0.00E+00
CHILD	TOTALS	4.66E-02	1.07E-01	1.23E-01	4.90E-02	3.21E-02	3.52E-01
TEENAGE	INHAL.	3.20E-02	9.73E-02	5.08E-02	1.06E-02	5.98E-03	3.47E-01
TEENAGE	GROUND	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03
TEENAGE	CLOUD	2.99E-03	2.99E-03	2.99E-03	2.99E-03	2.99E-03	2.99E-03
TEENAGE	VEG. ING	5.26E-03	8.33E-02	1.39E-02	1.39E-02	1.21E-02	0.00E+00
TEENAGE	MEAT ING	6.10E-04	9.57E-03	1.73E-03	1.73E-03	1.47E-03	0.00E+00
TEENAGE	MILK ING	9.23E-04	1.80E-02	1.67E-03	1.67E-03	1.73E-03	0.00E+00
TEENAGE	TOTALS	4.31E-02	2.13E-01	7.25E-02	3.22E-02	2.56E-02	3.52E-01
ADULT	INHAL.	3.04E-02	8.65E-02	4.18E-02	8.78E-03	4.82E-03	3.47E-01
ADULT	GROUND	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03
ADULT	CLOUD	2.99E-03	2.99E-03	2.99E-03	2.99E-03	2.99E-03	2.99E-03
ADULT	VEG. ING	3.05E-03	3.65E-02	9.05E-03	9.05E-03	7.69E-03	0.00E+00
ADULT	MEAT ING	4.54E-04	5.44E-03	1.43E-03	1.43E-03	1.19E-03	0.00E+00
ADULT	MILK ING	1.86E-04	2.63E-03	4.15E-04	4.15E-04	4.08E-04	0.00E+00
ADULT	TOTALS	3.84E-02	1.35E-01	5.71E-02	2.41E-02	1.85E-02	3.52E-01

NUMBER 13 NAME=Special Receptor #1 X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.43E+02	4.54E+02	8.60E+02	9.22E+01	7.21E+01	0.00E+00
INFANT	GROUND	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
INFANT	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.87E+01	6.35E+01	3.32E+01	3.32E+01	3.64E+01	0.00E+00
INFANT	TOTALS	1.62E+02	5.17E+02	8.94E+02	1.25E+02	1.09E+02	1.36E-01
CHILD	INHAL.	6.69E+01	3.83E+02	3.89E+02	3.72E+01	2.46E+01	0.00E+00
CHILD	GROUND	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
CHILD	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
CHILD	VEG. ING	1.01E+01	5.10E+01	4.40E+01	4.40E+01	3.34E+01	0.00E+00
CHILD	MEAT ING	1.17E+00	5.83E+00	5.57E+00	5.57E+00	4.16E+00	0.00E+00
CHILD	MILK ING	2.35E+00	1.58E+01	7.51E+00	7.51E+00	6.43E+00	0.00E+00
CHILD	TOTALS	8.07E+01	4.56E+02	4.46E+02	9.44E+01	6.87E+01	1.36E-01
TEENAGE	INHAL.	4.35E+01	4.25E+02	2.00E+02	1.62E+01	1.23E+01	0.00E+00
TEENAGE	GROUND	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
TEENAGE	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
TEENAGE	VEG. ING	1.66E+01	2.72E+02	3.92E+01	3.92E+01	3.41E+01	0.00E+00
TEENAGE	MEAT ING	1.85E+00	3.00E+01	4.88E+00	4.88E+00	4.14E+00	0.00E+00
TEENAGE	MILK ING	3.37E+00	7.07E+01	4.82E+00	4.82E+00	4.92E+00	0.00E+00
TEENAGE	TOTALS	6.54E+01	7.98E+02	2.49E+02	6.52E+01	5.56E+01	1.36E-01
ADULT	INHAL.	3.75E+01	3.99E+02	1.64E+02	1.34E+01	9.38E+00	0.00E+00
ADULT	GROUND	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
ADULT	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
ADULT	VEG. ING	9.44E+00	1.15E+02	2.56E+01	2.56E+01	2.16E+01	0.00E+00
ADULT	MEAT ING	1.35E+00	1.66E+01	4.03E+00	4.03E+00	3.34E+00	0.00E+00
ADULT	MILK ING	6.51E-01	9.85E+00	1.20E+00	1.20E+00	1.15E+00	0.00E+00
ADULT	TOTALS	4.91E+01	5.41E+02	1.95E+02	4.43E+01	3.56E+01	1.36E-01

REGION: Sweetwater Uranium Facility      CODE: MILDOS-AREA (03/89)      PAGE 157  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N      DURATION IN YRS IS... 3.0  
 NUMBER 13 NAME=Special Receptor #1 X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.68E+02	4.54E+02	8.60E+02	9.22E+01	7.21E+01	4.16E+02
INFANT	GROUND	6.27E+00	6.27E+00	6.27E+00	6.27E+00	6.27E+00	6.27E+00
INFANT	CLOUD	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.87E+01	6.35E+01	3.32E+01	3.32E+01	3.64E+01	0.00E+00
INFANT	TOTALS	1.93E+02	5.24E+02	9.00E+02	1.32E+02	1.15E+02	4.23E+02
CHILD	INHAL.	9.18E+01	3.83E+02	3.89E+02	3.72E+01	2.46E+01	4.16E+02
CHILD	GROUND	6.27E+00	6.27E+00	6.27E+00	6.27E+00	6.27E+00	6.27E+00
CHILD	CLOUD	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01
CHILD	VEG. ING	1.01E+01	5.10E+01	4.40E+01	4.40E+01	3.34E+01	0.00E+00
CHILD	MEAT ING	1.17E+00	5.83E+00	5.57E+00	5.57E+00	4.16E+00	0.00E+00
CHILD	MILK ING	2.35E+00	1.58E+01	7.51E+00	7.51E+00	6.43E+00	0.00E+00
CHILD	TOTALS	1.12E+02	4.62E+02	4.52E+02	1.01E+02	7.50E+01	4.23E+02
TEENAGE	INHAL.	6.84E+01	4.25E+02	2.00E+02	1.62E+01	1.23E+01	4.16E+02
TEENAGE	GROUND	6.27E+00	6.27E+00	6.27E+00	6.27E+00	6.27E+00	6.27E+00
TEENAGE	CLOUD	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01
TEENAGE	VEG. ING	1.66E+01	2.72E+02	3.92E+01	3.92E+01	3.41E+01	0.00E+00
TEENAGE	MEAT ING	1.85E+00	3.00E+01	4.88E+00	4.88E+00	4.14E+00	0.00E+00
TEENAGE	MILK ING	3.37E+00	7.07E+01	4.82E+00	4.82E+00	4.92E+00	0.00E+00
TEENAGE	TOTALS	9.66E+01	8.04E+02	2.55E+02	7.15E+01	6.18E+01	4.23E+02
ADULT	INHAL.	6.25E+01	3.99E+02	1.64E+02	1.34E+01	9.38E+00	4.16E+02
ADULT	GROUND	6.27E+00	6.27E+00	6.27E+00	6.27E+00	6.27E+00	6.27E+00
ADULT	CLOUD	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01
ADULT	VEG. ING	9.44E+00	1.15E+02	2.56E+01	2.56E+01	2.16E+01	0.00E+00
ADULT	MEAT ING	1.35E+00	1.66E+01	4.03E+00	4.03E+00	3.34E+00	0.00E+00
ADULT	MILK ING	6.51E-01	9.85E+00	1.20E+00	1.20E+00	1.15E+00	0.00E+00
ADULT	TOTALS	8.03E+01	5.47E+02	2.01E+02	5.06E+01	4.19E+01	4.23E+02



NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.89E+01	1.14E+02	2.40E+02	2.32E+01	1.82E+01	0.00E+00
INFANT	GROUND	3.84E-02	3.84E-02	3.84E-02	3.84E-02	3.84E-02	3.84E-02
INFANT	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.02E+00	1.69E+01	8.35E+00	8.35E+00	1.01E+01	0.00E+00
INFANT	TOTALS	4.39E+01	1.31E+02	2.49E+02	3.15E+01	2.83E+01	3.84E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.82E+01	9.62E+01	1.09E+02	9.34E+00	6.20E+00	0.00E+00
CHILD	GROUND	3.84E-02	3.84E-02	3.84E-02	3.84E-02	3.84E-02	3.84E-02
CHILD	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
CHILD	VEG. ING	2.57E+00	1.30E+01	1.11E+01	1.11E+01	8.54E+00	0.00E+00
CHILD	MEAT ING	2.95E-01	1.47E+00	1.40E+00	1.40E+00	1.05E+00	0.00E+00
CHILD	MILK ING	6.12E-01	4.07E+00	1.89E+00	1.89E+00	1.73E+00	0.00E+00
CHILD	TOTALS	2.17E+01	1.15E+02	1.24E+02	2.37E+01	1.76E+01	3.84E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.17E+01	1.07E+02	5.63E+01	4.07E+00	3.10E+00	0.00E+00
TEENAGE	GROUND	3.84E-02	3.84E-02	3.84E-02	3.84E-02	3.84E-02	3.84E-02
TEENAGE	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
TEENAGE	VEG. ING	4.20E+00	6.91E+01	9.86E+00	9.86E+00	8.72E+00	0.00E+00
TEENAGE	MEAT ING	4.66E-01	7.60E+00	1.23E+00	1.23E+00	1.05E+00	0.00E+00
TEENAGE	MILK ING	8.66E-01	1.82E+01	1.21E+00	1.21E+00	1.33E+00	0.00E+00
TEENAGE	TOTALS	1.72E+01	2.02E+02	6.87E+01	1.64E+01	1.42E+01	3.84E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.00E+01	1.00E+02	4.63E+01	3.36E+00	2.37E+00	0.00E+00
ADULT	GROUND	3.84E-02	3.84E-02	3.84E-02	3.84E-02	3.84E-02	3.84E-02
ADULT	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
ADULT	VEG. ING	2.39E+00	2.91E+01	6.43E+00	6.43E+00	5.52E+00	0.00E+00
ADULT	MEAT ING	3.40E-01	4.18E+00	1.01E+00	1.01E+00	8.47E-01	0.00E+00
ADULT	MILK ING	1.67E-01	2.52E+00	3.01E-01	3.01E-01	3.09E-01	0.00E+00
ADULT	TOTALS	1.30E+01	1.36E+02	5.41E+01	1.11E+01	9.09E+00	3.84E-02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 159  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 3, NEX = 0, NAS = 1, N DURATION IN YRS IS... 3.0  
 NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M. DIST= 2.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.62E+01	1.14E+02	2.40E+02	2.32E+01	1.82E+01	1.22E+02
INFANT	GROUND	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00
INFANT	CLOUD	2.36E-01	2.36E-01	2.36E-01	2.36E-01	2.36E-01	2.36E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.02E+00	1.69E+01	8.35E+00	8.35E+00	1.01E+01	0.00E+00
INFANT	TOTALS	5.31E+01	1.33E+02	2.51E+02	3.34E+01	3.02E+01	1.24E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.55E+01	9.62E+01	1.09E+02	9.36E+00	6.21E+00	1.22E+02
CHILD	GROUND	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00
CHILD	CLOUD	2.36E-01	2.36E-01	2.36E-01	2.36E-01	2.36E-01	2.36E-01
CHILD	VEG. ING	2.58E+00	1.30E+01	1.11E+01	1.11E+01	8.55E+00	0.00E+00
CHILD	MEAT ING	2.96E-01	1.47E+00	1.40E+00	1.40E+00	1.06E+00	0.00E+00
CHILD	MILK ING	6.12E-01	4.07E+00	1.89E+00	1.89E+00	1.74E+00	0.00E+00
CHILD	TOTALS	3.09E+01	1.17E+02	1.26E+02	2.56E+01	1.94E+01	1.24E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.90E+01	1.07E+02	5.63E+01	4.08E+00	3.11E+00	1.22E+02
TEENAGE	GROUND	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00
TEENAGE	CLOUD	2.36E-01	2.36E-01	2.36E-01	2.36E-01	2.36E-01	2.36E-01
TEENAGE	VEG. ING	4.21E+00	6.91E+01	9.87E+00	9.87E+00	8.72E+00	0.00E+00
TEENAGE	MEAT ING	4.67E-01	7.60E+00	1.23E+00	1.23E+00	1.05E+00	0.00E+00
TEENAGE	MILK ING	8.66E-01	1.82E+01	1.21E+00	1.21E+00	1.33E+00	0.00E+00
TEENAGE	TOTALS	2.64E+01	2.04E+02	7.05E+01	1.83E+01	1.61E+01	1.24E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.74E+01	1.00E+02	4.63E+01	3.37E+00	2.37E+00	1.22E+02
ADULT	GROUND	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00
ADULT	CLOUD	2.36E-01	2.36E-01	2.36E-01	2.36E-01	2.36E-01	2.36E-01
ADULT	VEG. ING	2.39E+00	2.91E+01	6.43E+00	6.43E+00	5.53E+00	0.00E+00
ADULT	MEAT ING	3.41E-01	4.18E+00	1.01E+00	1.01E+00	8.48E-01	0.00E+00
ADULT	MILK ING	1.67E-01	2.52E+00	3.01E-01	3.01E-01	3.09E-01	0.00E+00
ADULT	TOTALS	2.21E+01	1.38E+02	5.59E+01	1.30E+01	1.09E+01	1.24E+02

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.304E-03	1.409E-02	1.409E-02	1.405E-02	1.641E+02	1.509E+02	6.255E+01	2.466E+01	1.698E-05	5.645E-04
2.5	2.510E-03	5.601E-03	5.601E-03	5.588E-03	7.836E+01	7.478E+01	4.081E+01	2.263E+01	2.777E-05	3.683E-04
3.5	1.327E-03	2.867E-03	2.867E-03	2.860E-03	4.636E+01	4.521E+01	2.908E+01	1.968E+01	3.815E-05	2.674E-04
4.5	8.112E-04	1.705E-03	1.705E-03	1.701E-03	3.113E+01	3.071E+01	2.184E+01	1.652E+01	4.577E-05	2.040E-04
7.5	2.901E-04	6.065E-04	6.065E-04	6.051E-04	1.502E+01	1.498E+01	1.231E+01	1.054E+01	5.997E-05	1.172E-04
15.0	7.075E-05	1.476E-04	1.476E-04	1.472E-04	5.517E+00	5.520E+00	5.114E+00	4.708E+00	6.397E-05	4.917E-05
25.0	2.582E-05	5.379E-05	5.378E-05	5.366E-05	2.659E+00	2.661E+00	2.591E+00	2.495E+00	6.022E-05	2.518E-05
35.0	1.373E-05	2.861E-05	2.861E-05	2.855E-05	1.663E+00	1.664E+00	1.648E+00	1.619E+00	5.708E-05	1.611E-05
45.0	8.562E-06	1.784E-05	1.784E-05	1.780E-05	1.167E+00	1.168E+00	1.166E+00	1.156E+00	5.418E-05	1.142E-05
55.0	5.858E-06	1.221E-05	1.221E-05	1.218E-05	8.771E-01	8.777E-01	8.789E-01	8.761E-01	5.164E-05	8.628E-06
65.0	4.263E-06	8.891E-06	8.891E-06	8.870E-06	6.894E-01	6.898E-01	6.919E-01	6.917E-01	4.939E-05	6.799E-06
75.0	3.242E-06	6.766E-06	6.766E-06	6.750E-06	5.594E-01	5.597E-01	5.620E-01	5.627E-01	4.740E-05	5.525E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.330E+04	2.689E+04	2.683E+04	2.683E+04	0.000E+00	2.695E+04	2.695E+04	2.695E+04	1.258E+01
2.5	5.298E+03	1.069E+04	1.067E+04	1.067E+04	0.000E+00	1.073E+04	1.073E+04	1.073E+04	2.061E+01
3.5	2.804E+03	5.491E+03	5.479E+03	5.479E+03	0.000E+00	5.514E+03	5.514E+03	5.514E+03	2.833E+01
4.5	1.715E+03	3.275E+03	3.268E+03	3.268E+03	0.000E+00	3.292E+03	3.292E+03	3.292E+03	3.399E+01
7.5	6.134E+02	1.166E+03	1.163E+03	1.163E+03	0.000E+00	1.175E+03	1.175E+03	1.175E+03	4.456E+01
15.0	1.496E+02	2.837E+02	2.831E+02	2.831E+02	0.000E+00	2.875E+02	2.875E+02	2.875E+02	4.766E+01
25.0	5.461E+01	1.034E+02	1.032E+02	1.032E+02	0.000E+00	1.053E+02	1.053E+02	1.053E+02	4.501E+01
35.0	2.905E+01	5.501E+01	5.489E+01	5.489E+01	0.000E+00	5.621E+01	5.621E+01	5.621E+01	4.276E+01
45.0	1.811E+01	3.430E+01	3.422E+01	3.422E+01	0.000E+00	3.515E+01	3.515E+01	3.515E+01	4.066E+01
55.0	1.239E+01	2.348E+01	2.342E+01	2.342E+01	0.000E+00	2.412E+01	2.412E+01	2.412E+01	3.879E+01
65.0	9.017E+00	1.709E+01	1.705E+01	1.705E+01	0.000E+00	1.760E+01	1.760E+01	1.760E+01	3.714E+01
75.0	6.857E+00	1.301E+01	1.298E+01	1.298E+01	0.000E+00	1.342E+01	1.342E+01	1.342E+01	3.567E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.304E-05	1.409E-04	1.409E-04	1.406E-04
2.5	2.510E-05	5.601E-05	5.601E-05	5.596E-05
3.5	1.327E-05	2.867E-05	2.867E-05	2.871E-05
4.5	8.112E-06	1.705E-05	1.705E-05	1.715E-05
7.5	2.901E-06	6.065E-06	6.065E-06	6.231E-06
15.0	7.075E-07	1.476E-06	1.476E-06	1.664E-06
25.0	2.582E-07	5.379E-07	5.378E-07	7.172E-07
35.0	1.373E-07	2.861E-07	2.861E-07	4.567E-07
45.0	8.562E-08	1.784E-07	1.784E-07	3.405E-07
55.0	5.858E-08	1.221E-07	1.221E-07	2.767E-07
65.0	4.263E-08	8.891E-08	8.891E-08	2.369E-07
75.0	3.242E-08	6.766E-08	6.766E-08	2.097E-07

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.095E-03	2.697E-02	2.697E-02	2.691E-02	3.332E+02	2.367E+02	4.175E+01	7.240E+00	1.943E-06	4.825E-04
2.5	2.936E-03	1.012E-02	1.012E-02	1.010E-02	1.449E+02	1.270E+02	4.832E+01	1.933E+01	1.431E-05	4.479E-04
3.5	1.538E-03	4.354E-03	4.354E-03	4.344E-03	6.859E+01	6.432E+01	3.288E+01	1.875E+01	2.630E-05	3.029E-04
4.5	9.554E-04	2.501E-03	2.501E-03	2.495E-03	4.340E+01	4.192E+01	2.498E+01	1.683E+01	3.638E-05	2.326E-04
7.5	3.568E-04	8.388E-04	8.388E-04	8.368E-04	1.805E+01	1.792E+01	1.317E+01	1.050E+01	5.097E-05	1.244E-04
15.0	9.320E-05	2.048E-04	2.048E-04	2.043E-04	6.012E+00	6.013E+00	5.279E+00	4.633E+00	5.473E-05	5.024E-05
25.0	3.519E-05	7.555E-05	7.555E-05	7.537E-05	2.794E+00	2.796E+00	2.655E+00	2.484E+00	5.144E-05	2.560E-05
35.0	1.881E-05	4.002E-05	4.001E-05	3.992E-05	1.717E+00	1.718E+00	1.679E+00	1.621E+00	4.872E-05	1.633E-05
45.0	1.175E-05	2.493E-05	2.493E-05	2.488E-05	1.200E+00	1.201E+00	1.189E+00	1.166E+00	4.648E-05	1.162E-05
55.0	8.043E-06	1.710E-05	1.710E-05	1.706E-05	9.042E-01	9.048E-01	9.019E-01	8.924E-01	4.466E-05	8.833E-06
65.0	5.857E-06	1.247E-05	1.247E-05	1.244E-05	7.123E-01	7.127E-01	7.129E-01	7.092E-01	4.296E-05	6.994E-06
75.0	4.456E-06	9.503E-06	9.503E-06	9.481E-06	5.791E-01	5.794E-01	5.807E-01	5.796E-01	4.139E-05	5.703E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.464E+04	4.933E+04	4.923E+04	4.923E+04	0.000E+00	4.941E+04	4.941E+04	4.941E+04	1.474E+00	
2.5	6.090E+03	1.863E+04	1.859E+04	1.859E+04	0.000E+00	1.869E+04	1.869E+04	1.869E+04	1.066E+01	
3.5	3.219E+03	8.133E+03	8.115E+03	8.115E+03	0.000E+00	8.166E+03	8.166E+03	8.166E+03	1.954E+01	
4.5	2.005E+03	4.702E+03	4.692E+03	4.692E+03	0.000E+00	4.725E+03	4.725E+03	4.725E+03	2.702E+01	
7.5	7.518E+02	1.593E+03	1.589E+03	1.589E+03	0.000E+00	1.604E+03	1.604E+03	1.604E+03	3.786E+01	
15.0	1.968E+02	3.916E+02	3.907E+02	3.907E+02	0.000E+00	3.955E+02	3.955E+02	3.955E+02	4.077E+01	
25.0	7.436E+01	1.448E+02	1.445E+02	1.445E+02	0.000E+00	1.467E+02	1.467E+02	1.467E+02	3.846E+01	
35.0	3.976E+01	7.677E+01	7.659E+01	7.659E+01	0.000E+00	7.795E+01	7.795E+01	7.795E+01	3.651E+01	
45.0	2.483E+01	4.784E+01	4.774E+01	4.774E+01	0.000E+00	4.869E+01	4.869E+01	4.869E+01	3.488E+01	
55.0	1.700E+01	3.281E+01	3.274E+01	3.274E+01	0.000E+00	3.346E+01	3.346E+01	3.346E+01	3.355E+01	
65.0	1.238E+01	2.393E+01	2.387E+01	2.387E+01	0.000E+00	2.444E+01	2.444E+01	2.444E+01	3.230E+01	
75.0	9.419E+00	1.623E+01	1.619E+01	1.619E+01	0.000E+00	1.864E+01	1.864E+01	1.864E+01	3.114E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.095E-05	2.697E-04	2.697E-04	2.691E-04
2.5	2.936E-05	1.012E-04	1.012E-04	1.010E-04
3.5	1.538E-05	4.354E-05	4.354E-05	4.352E-05
4.5	9.554E-06	2.501E-05	2.501E-05	2.506E-05
7.5	3.568E-06	8.388E-06	8.388E-06	8.521E-06
15.0	9.320E-07	2.048E-06	2.048E-06	2.207E-06
25.0	3.519E-07	7.555E-07	7.555E-07	9.081E-07
35.0	1.881E-07	4.002E-07	4.001E-07	5.454E-07
45.0	1.175E-07	2.493E-07	2.493E-07	3.882E-07
55.0	8.043E-08	1.710E-07	1.710E-07	3.046E-07
65.0	5.857E-08	1.247E-07	1.247E-07	2.533E-07
75.0	4.456E-08	9.503E-08	9.503E-08	2.190E-07

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.560E-03	8.021E-03	8.021E-03	8.002E-03	7.830E+01	5.160E+01	9.568E+00	1.981E+00	6.898E-07	1.090E-04
2.5	1.730E-03	5.124E-03	5.124E-03	5.112E-03	6.840E+01	5.811E+01	2.103E+01	8.660E+00	6.918E-06	1.988E-04
3.5	9.472E-04	2.484E-03	2.484E-03	2.479E-03	3.697E+01	3.431E+01	1.677E+01	9.564E+00	1.391E-05	1.561E-04
4.5	5.965E-04	1.482E-03	1.482E-03	1.479E-03	2.452E+01	2.359E+01	1.359E+01	9.096E+00	2.017E-05	1.272E-04
7.5	2.252E-04	5.183E-04	5.182E-04	5.170E-04	1.093E+01	1.085E+01	7.899E+00	6.263E+00	3.080E-05	7.459E-05
15.0	5.872E-05	1.285E-04	1.285E-04	1.282E-04	3.854E+00	3.856E+00	3.405E+00	2.997E+00	3.590E-05	3.241E-05
25.0	2.209E-05	4.747E-05	4.747E-05	4.736E-05	1.837E+00	1.838E+00	1.756E+00	1.652E+00	3.501E-05	1.696E-05
35.0	1.181E-05	2.514E-05	2.514E-05	2.509E-05	1.141E+00	1.141E+00	1.121E+00	1.087E+00	3.362E-05	1.091E-05
45.0	7.370E-06	1.562E-05	1.562E-05	1.558E-05	7.978E-01	7.983E-01	7.932E-01	7.809E-01	3.215E-05	7.756E-06
55.0	5.046E-06	1.070E-05	1.070E-05	1.067E-05	6.007E-01	6.011E-01	6.005E-01	5.960E-01	3.088E-05	5.887E-06
65.0	3.675E-06	7.807E-06	7.807E-06	7.789E-06	4.737E-01	4.740E-01	4.748E-01	4.734E-01	2.973E-05	4.661E-06
75.0	2.796E-06	5.950E-06	5.950E-06	5.936E-06	3.853E-01	3.856E-01	3.868E-01	3.867E-01	2.867E-05	3.801E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	7.510E+03	1.530E+04	1.526E+04	1.526E+04	0.000E+00	1.530E+04	1.530E+04	1.530E+04	5.330E-01	
2.5	3.613E+03	9.536E+03	9.515E+03	9.515E+03	0.000E+00	9.561E+03	9.561E+03	9.561E+03	5.159E+00	
3.5	1.988E+03	4.671E+03	4.660E+03	4.660E+03	0.000E+00	4.688E+03	4.688E+03	4.688E+03	1.034E+01	
4.5	1.254E+03	2.800E+03	2.794E+03	2.794E+03	0.000E+00	2.813E+03	2.813E+03	2.813E+03	1.498E+01	
7.5	4.748E+02	9.863E+02	9.841E+02	9.841E+02	0.000E+00	9.927E+02	9.927E+02	9.927E+02	2.287E+01	
15.0	1.240E+02	2.458E+02	2.453E+02	2.453E+02	0.000E+00	2.484E+02	2.484E+02	2.484E+02	2.673E+01	
25.0	4.667E+01	9.096E+01	9.076E+01	9.076E+01	0.000E+00	9.222E+01	9.222E+01	9.222E+01	2.616E+01	
35.0	2.495E+01	4.823E+01	4.812E+01	4.812E+01	0.000E+00	4.903E+01	4.903E+01	4.903E+01	2.518E+01	
45.0	1.558E+01	2.998E+01	2.991E+01	2.991E+01	0.000E+00	3.054E+01	3.054E+01	3.054E+01	2.412E+01	
55.0	1.067E+01	2.053E+01	2.049E+01	2.049E+01	0.000E+00	2.096E+01	2.096E+01	2.096E+01	2.319E+01	
65.0	7.768E+00	1.498E+01	1.495E+01	1.495E+01	0.000E+00	1.532E+01	1.532E+01	1.532E+01	2.235E+01	
75.0	5.911E+00	1.141E+01	1.139E+01	1.139E+01	0.000E+00	1.169E+01	1.169E+01	1.169E+01	2.156E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.560E-05	8.021E-05	8.021E-05	8.002E-05
2.5	1.730E-05	5.124E-05	5.124E-05	5.114E-05
3.5	9.472E-06	2.484E-05	2.484E-05	2.483E-05
4.5	5.965E-06	1.482E-05	1.482E-05	1.485E-05
7.5	2.252E-06	5.183E-06	5.182E-06	5.263E-06
15.0	5.872E-07	1.285E-06	1.285E-06	1.390E-06
25.0	2.209E-07	4.747E-07	4.747E-07	5.786E-07
35.0	1.181E-07	2.514E-07	2.514E-07	3.517E-07
45.0	7.370E-08	1.562E-07	1.562E-07	2.523E-07
55.0	5.046E-08	1.070E-07	1.070E-07	1.994E-07
65.0	3.675E-08	7.807E-08	7.807E-08	1.671E-07
75.0	2.796E-08	5.950E-08	5.950E-08	1.454E-07

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.211E-04	2.532E-03	2.532E-03	2.526E-03	4.282E+01	4.105E+01	2.143E+01	1.156E+01	1.401E-05	1.941E-04
2.5	3.132E-04	9.960E-04	9.960E-04	9.937E-04	1.955E+01	1.918E+01	1.226E+01	8.170E+00	1.569E-05	1.24E-04
3.5	1.649E-04	4.935E-04	4.935E-04	4.923E-04	1.117E+01	1.107E+01	8.000E+00	6.020E+00	1.656E-05	7.442E-05
4.5	9.899E-05	2.961E-04	2.961E-04	2.954E-04	7.729E+00	7.692E+00	5.985E+00	4.827E+00	1.762E-05	5.627E-05
7.5	3.176E-05	9.384E-05	9.383E-05	9.362E-05	3.460E+00	3.458E+00	3.022E+00	2.675E+00	1.800E-05	2.886E-05
15.0	6.037E-06	1.699E-05	1.699E-05	1.695E-05	1.108E+00	1.109E+00	1.064E+00	1.012E+00	1.553E-05	1.031E-05
25.0	1.835E-06	4.711E-06	4.711E-06	4.700E-06	4.826E-01	4.829E-01	4.785E-01	4.707E-01	1.312E-05	4.679E-06
35.0	8.777E-07	2.085E-06	2.085E-06	2.080E-06	2.832E-01	2.834E-01	2.833E-01	2.820E-01	1.168E-05	2.780E-06
45.0	5.078E-07	1.138E-06	1.138E-06	1.135E-06	1.908E-01	1.909E-01	1.914E-01	1.914E-01	1.067E-05	1.881E-06
55.0	3.277E-07	7.029E-07	7.029E-07	7.012E-07	1.392E-01	1.393E-01	1.398E-01	1.401E-01	9.908E-06	1.375E-06
65.0	2.272E-07	4.712E-07	4.712E-07	4.701E-07	1.069E-01	1.070E-01	1.075E-01	1.078E-01	9.296E-06	1.057E-06
75.0	1.659E-07	3.362E-07	3.362E-07	3.354E-07	8.542E-02	8.547E-02	8.589E-02	8.617E-02	8.807E-06	8.449E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.494E+03	4.655E+03	4.645E+03	4.645E+03	0.000E+00	4.678E+03	4.678E+03	4.678E+03	1.034E+01
2.5	6.522E+02	1.844E+03	1.840E+03	1.840E+03	0.000E+00	1.855E+03	1.855E+03	1.855E+03	1.159E+01
3.5	3.442E+02	9.177E+02	9.157E+02	9.157E+02	0.000E+00	9.245E+02	9.245E+02	9.245E+02	1.224E+01
4.5	2.067E+02	5.506E+02	5.494E+02	5.494E+02	0.000E+00	5.555E+02	5.555E+02	5.555E+02	1.303E+01
7.5	6.634E+01	1.747E+02	1.743E+02	1.743E+02	0.000E+00	1.770E+02	1.770E+02	1.770E+02	1.332E+01
15.0	1.263E+01	3.175E+01	3.168E+01	3.168E+01	0.000E+00	3.256E+01	3.256E+01	3.256E+01	1.154E+01
25.0	3.853E+00	8.874E+00	8.855E+00	8.855E+00	0.000E+00	9.237E+00	9.237E+00	9.237E+00	9.780E+00
35.0	1.849E+00	3.955E+00	3.946E+00	3.946E+00	0.000E+00	4.171E+00	4.171E+00	4.171E+00	8.736E+00
45.0	1.072E+00	2.171E+00	2.167E+00	2.167E+00	0.000E+00	2.318E+00	2.318E+00	2.318E+00	7.997E+00
55.0	6.924E-01	1.347E+00	1.344E+00	1.344E+00	0.000E+00	1.455E+00	1.455E+00	1.455E+00	7.434E+00
65.0	4.806E-01	9.064E-01	9.044E-01	9.044E-01	0.000E+00	9.891E-01	9.891E-01	9.891E-01	6.984E+00
75.0	3.513E-01	6.484E-01	6.470E-01	6.470E-01	0.000E+00	7.147E-01	7.147E-01	7.147E-01	6.622E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.211E-06	2.532E-05	2.532E-05	2.531E-05
2.5	3.132E-06	9.960E-06	9.960E-06	9.984E-06
3.5	1.649E-06	4.935E-06	4.935E-06	4.973E-06
4.5	9.899E-07	2.961E-06	2.961E-06	3.007E-06
7.5	3.176E-07	9.384E-07	9.383E-07	9.902E-07
15.0	6.037E-08	1.699E-07	1.699E-07	2.161E-07
25.0	1.835E-08	4.711E-08	4.711E-08	8.635E-08
35.0	8.777E-09	2.085E-08	2.085E-08	5.585E-08
45.0	5.078E-09	1.138E-08	1.138E-08	4.338E-08
55.0	3.277E-09	7.029E-09	7.029E-09	3.674E-08
65.0	2.272E-09	4.712E-09	4.712E-09	3.259E-08
75.0	1.659E-09	3.362E-09	3.362E-09	2.977E-08

TIME STEP NUMBER 4. NODE -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION. THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.181E-03	4.782E-03	4.782E-03	4.770E-03	4.688E+01	4.524E+01	2.736E+01	1.666E+01	2.427E-05	2.475E-04
2.5	1.439E-03	2.296E-03	2.296E-03	2.291E-03	3.007E+01	2.961E+01	2.089E+01	1.515E+01	3.409E-05	1.929E-04
3.5	7.917E-04	1.312E-03	1.312E-03	1.309E-03	2.125E+01	2.109E+01	1.626E+01	1.298E+01	4.103E-05	1.526E-04
4.5	4.905E-04	8.349E-04	8.348E-04	8.329E-04	1.603E+01	1.597E+01	1.302E+01	1.098E+01	4.569E-05	1.234E-04
7.5	1.735E-04	3.110E-04	3.110E-04	3.103E-04	8.661E+00	8.659E+00	7.694E+00	6.939E+00	5.187E-05	7.381E-05
15.0	4.010E-05	7.673E-05	7.673E-05	7.655E-05	3.550E+00	3.552E+00	3.404E+00	3.231E+00	5.220E-05	3.297E-05
25.0	1.411E-05	2.799E-05	2.799E-05	2.793E-05	1.804E+00	1.805E+00	1.784E+00	1.746E+00	4.889E-05	1.742E-05
35.0	7.457E-06	1.497E-05	1.497E-05	1.494E-05	1.153E+00	1.154E+00	1.152E+00	1.143E+00	4.626E-05	1.129E-05
45.0	4.629E-06	9.354E-06	9.354E-06	9.332E-06	8.196E-01	8.201E-01	8.216E-01	8.199E-01	4.390E-05	8.069E-06
55.0	3.155E-06	6.431E-06	6.431E-06	6.416E-06	6.252E-01	6.256E-01	6.278E-01	6.282E-01	4.211E-05	6.171E-06
65.0	2.285E-06	4.691E-06	4.690E-06	4.680E-06	4.968E-01	4.971E-01	4.993E-01	5.003E-01	4.050E-05	4.910E-06
75.0	1.728E-06	3.566E-06	3.566E-06	3.558E-06	4.062E-01	4.064E-01	4.084E-01	4.095E-01	3.902E-05	4.017E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	6.784E+03	9.577E+03	9.555E+03	9.555E+03	0.000E+00	9.591E+03	9.591E+03	9.591E+03	1.794E+01
2.5	3.066E+03	4.560E+03	4.550E+03	4.550E+03	0.000E+00	4.573E+03	4.573E+03	4.573E+03	2.525E+01
3.5	1.685E+03	2.593E+03	2.587E+03	2.587E+03	0.000E+00	2.603E+03	2.603E+03	2.603E+03	3.042E+01
4.5	1.043E+03	1.644E+03	1.640E+03	1.640E+03	0.000E+00	1.653E+03	1.653E+03	1.653E+03	3.389E+01
7.5	3.684E+02	6.085E+02	6.071E+02	6.071E+02	0.000E+00	6.140E+02	6.140E+02	6.140E+02	3.852E+01
15.0	8.503E+01	1.490E+02	1.486E+02	1.486E+02	0.000E+00	1.514E+02	1.514E+02	1.514E+02	3.888E+01
25.0	2.989E+01	5.411E+01	5.399E+01	5.399E+01	0.000E+00	5.542E+01	5.542E+01	5.542E+01	3.653E+01
35.0	1.579E+01	2.890E+01	2.884E+01	2.884E+01	0.000E+00	2.975E+01	2.975E+01	2.975E+01	3.464E+01
45.0	9.800E+00	1.805E+01	1.800E+01	1.800E+01	0.000E+00	1.865E+01	1.865E+01	1.865E+01	3.293E+01
55.0	6.677E+00	1.239E+01	1.237E+01	1.237E+01	0.000E+00	1.286E+01	1.286E+01	1.286E+01	3.162E+01
65.0	4.835E+00	9.033E+00	9.013E+00	9.013E+00	0.000E+00	9.407E+00	9.407E+00	9.407E+00	3.044E+01
75.0	3.655E+00	6.863E+00	6.848E+00	6.848E+00	0.000E+00	7.170E+00	7.170E+00	7.170E+00	2.935E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.181E-05	4.782E-05	4.782E-05	4.778E-05
2.5	1.439E-05	2.296E-05	2.296E-05	2.301E-05
3.5	7.917E-06	1.312E-05	1.312E-05	1.321E-05
4.5	4.905E-06	8.349E-06	8.348E-06	8.466E-06
7.5	1.735E-06	3.110E-06	3.110E-06	3.259E-06
15.0	4.010E-07	7.673E-07	7.673E-07	9.221E-07
25.0	1.411E-07	2.799E-07	2.799E-07	4.259E-07
35.0	7.457E-08	1.497E-07	1.497E-07	2.881E-07
45.0	4.629E-08	9.354E-08	9.354E-08	2.250E-07
55.0	3.155E-08	6.431E-08	6.431E-08	1.905E-07
65.0	2.285E-08	4.691E-08	4.690E-08	1.683E-07
75.0	1.728E-08	3.566E-08	3.566E-08	1.526E-07

TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.010E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.667E-02	9.343E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.765E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.193E-01	4.992E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.867E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.654E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.767E-04	1.011E-04	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.138E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.103E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.563E-01 PERSON-REM/YR



TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.067E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.523E-01	8.502E-03	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.271E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.082E+00	4.519E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.544E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.956E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.368E-03	8.994E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.898E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.676E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.417E+00 PERSON-REM/YR

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.220E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.786E-02	4.252E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.673E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.351E-02	2.188E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.732E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.303E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.637E-03	4.169E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.401E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.697E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.986E-01 PERSON-REM/YR

TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.616E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.150E-01	3.150E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.888E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.545E+00	1.539E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.544E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.033E-02	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.868E-02	5.409E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.167E-01	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.906E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.948E+00 PERSON-REM/YR

TIME STEP NUMBER 4. NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.892E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.447E-03	1.888E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.188E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.370E-02	9.723E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.813E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.111E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.258E-05	1.863E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.788E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.615E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.098E-02 PERSON-REM/YR

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.041E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.279E-03	2.689E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.578E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.065E-02	1.342E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.301E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.302E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.630E-04	4.749E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.028E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.670E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.269E-02 PERSON-REM/YR

TIME STEP NUMBER 4. NODE - DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.534E-02	1.681E-02	1.208E-02	9.274E-03	2.795E-02	2.922E-02	2.027E-02	1.748E-02	1.630E-02	1.582E-02	1.570E-02	1.579E-02
NNE	3.361E-02	2.401E-02	1.489E-02	1.130E-02	3.237E-02	3.294E-02	2.225E-02	1.855E-02	1.678E-02	1.587E-02	1.547E-02	1.537E-02
NE	4.779E-02	2.998E-02	1.815E-02	1.346E-02	3.817E-02	3.909E-02	2.619E-02	2.146E-02	1.918E-02	1.800E-02	1.735E-02	1.702E-02
ENE	4.132E-02	3.022E-02	1.813E-02	1.276E-02	3.362E-02	3.261E-02	2.179E-02	1.816E-02	1.640E-02	1.547E-02	1.499E-02	1.477E-02
E	1.442E-02	1.523E-02	1.038E-02	7.992E-03	2.360E-02	2.460E-02	1.664E-02	1.377E-02	1.239E-02	1.170E-02	1.137E-02	1.122E-02
ESE	5.847E-03	5.779E-03	5.099E-03	4.351E-03	1.507E-02	1.793E-02	1.257E-02	1.030E-02	9.067E-03	8.322E-03	7.851E-03	7.559E-03
SE	3.606E-03	1.752E-03	1.385E-03	1.207E-03	4.500E-03	5.689E-03	4.142E-03	3.466E-03	3.106E-03	2.897E-03	2.772E-03	2.699E-03
SSE	2.674E-03	1.525E-03	5.592E-04	4.092E-04	1.046E-03	9.428E-04	6.245E-04	5.152E-04	4.573E-04	4.212E-04	3.969E-04	3.794E-04
S	4.500E-03	2.965E-03	2.067E-03	1.604E-03	4.367E-03	3.667E-03	2.300E-03	1.987E-03	1.924E-03	1.950E-03	2.016E-03	2.105E-03
SSW	7.098E-03	5.674E-03	4.642E-03	3.872E-03	1.265E-02	1.381E-02	9.426E-03	7.879E-03	7.199E-03	6.907E-03	6.857E-03	6.935E-03
SW	8.653E-03	7.226E-03	5.988E-03	5.064E-03	1.711E-02	1.950E-02	1.361E-02	1.150E-02	1.062E-02	1.028E-02	1.021E-02	1.029E-02
MSW	8.496E-03	6.766E-03	5.400E-03	4.428E-03	1.402E-02	1.508E-02	1.086E-02	9.746E-03	9.386E-03	9.353E-03	9.488E-03	9.711E-03
W	8.758E-03	7.005E-03	5.611E-03	4.610E-03	1.464E-02	1.602E-02	1.176E-02	1.072E-02	1.045E-02	1.057E-02	1.085E-02	1.120E-02
WNW	1.205E-02	9.224E-03	7.415E-03	6.101E-03	1.934E-02	2.092E-02	1.516E-02	1.371E-02	1.335E-02	1.346E-02	1.378E-02	1.429E-02
NW	1.396E-02	1.138E-02	8.594E-03	7.009E-03	2.204E-02	2.363E-02	1.661E-02	1.455E-02	1.374E-02	1.348E-02	1.350E-02	1.368E-02
NW	1.679E-02	1.294E-02	9.240E-03	7.328E-03	2.234E-02	2.345E-02	1.645E-02	1.434E-02	1.348E-02	1.316E-02	1.312E-02	1.323E-02

TOTAL DOSE COMMITMENT IS 2.378E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 4. NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.055E-01	2.027E-01	1.456E-01	1.118E-01	3.366E-01	3.496E-01	2.399E-01	2.046E-01	1.890E-01	1.819E-01	1.794E-01	1.794E-01
NNE	4.046E-01	2.890E-01	1.793E-01	1.361E-01	3.896E-01	3.946E-01	2.643E-01	2.183E-01	1.958E-01	1.838E-01	1.779E-01	1.757E-01
NE	5.746E-01	3.606E-01	2.185E-01	1.621E-01	4.596E-01	4.688E-01	3.119E-01	2.536E-01	2.248E-01	2.094E-01	2.006E-01	1.956E-01
ENE	4.967E-01	3.633E-01	2.181E-01	1.535E-01	4.046E-01	3.910E-01	2.592E-01	2.142E-01	1.918E-01	1.796E-01	1.729E-01	1.694E-01
E	1.739E-01	1.833E-01	1.250E-01	9.628E-02	2.841E-01	2.950E-01	1.979E-01	1.625E-01	1.449E-01	1.358E-01	1.311E-01	1.286E-01
ESE	7.076E-02	6.979E-02	6.153E-02	5.250E-02	1.817E-01	2.155E-01	1.503E-01	1.225E-01	1.071E-01	9.770E-02	9.166E-02	8.778E-02
SE	4.345E-02	2.118E-02	1.675E-02	1.459E-02	5.429E-02	6.833E-02	4.941E-02	4.105E-02	3.650E-02	3.381E-02	3.216E-02	3.113E-02
SSE	3.209E-02	1.830E-02	6.717E-03	4.913E-03	1.253E-02	1.120E-02	7.350E-03	6.023E-03	5.317E-03	4.875E-03	4.573E-03	4.355E-03
S	5.412E-02	3.567E-02	2.486E-02	1.929E-02	5.236E-02	4.344E-02	2.670E-02	2.269E-02	2.170E-02	2.182E-02	2.243E-02	2.332E-02
SSW	8.570E-02	6.849E-02	5.600E-02	4.670E-02	1.522E-01	1.652E-01	1.115E-01	9.214E-02	8.331E-02	7.921E-02	7.805E-02	7.845E-02
SW	1.047E-01	8.734E-02	7.234E-02	6.114E-02	2.062E-01	2.334E-01	1.611E-01	1.346E-01	1.230E-01	1.180E-01	1.164E-01	1.166E-01
WSW	1.027E-01	8.174E-02	6.520E-02	5.344E-02	1.688E-01	1.800E-01	1.278E-01	1.133E-01	1.080E-01	1.067E-01	1.076E-01	1.095E-01
W	1.060E-01	8.468E-02	6.778E-02	5.565E-02	1.762E-01	1.909E-01	1.381E-01	1.243E-01	1.199E-01	1.203E-01	1.226E-01	1.259E-01
WNW	1.457E-01	1.115E-01	8.958E-02	7.364E-02	2.329E-01	2.494E-01	1.778E-01	1.587E-01	1.529E-01	1.527E-01	1.554E-01	1.603E-01
NW	1.688E-01	1.374E-01	1.037E-01	8.455E-02	2.653E-01	2.822E-01	1.959E-01	1.697E-01	1.587E-01	1.544E-01	1.536E-01	1.547E-01
NNW	2.027E-01	1.561E-01	1.114E-01	8.835E-02	2.689E-01	2.803E-01	1.944E-01	1.676E-01	1.560E-01	1.511E-01	1.496E-01	1.501E-01

TOTAL DOSE COMMITMENT IS 2.814E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

REGION: Sweetwater Uranium Facil  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: 40cfr.in

PAGE 173  
02/25/94

TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.028E-02	6.818E-03	4.897E-03	3.761E-03	1.136E-02	1.199E-02	8.448E-03	7.394E-03	6.984E-03	6.853E-03	6.866E-03	6.956E-03
NNE	1.367E-02	9.773E-03	6.049E-03	4.590E-03	1.316E-02	1.349E-02	9.225E-03	7.787E-03	7.129E-03	6.815E-03	6.702E-03	6.711E-03
NE	1.950E-02	1.222E-02	7.384E-03	5.474E-03	1.552E-02	1.597E-02	1.082E-02	8.964E-03	8.099E-03	7.678E-03	7.470E-03	7.385E-03
ENE	1.687E-02	1.234E-02	7.386E-03	5.192E-03	1.368E-02	1.334E-02	9.014E-03	7.604E-03	6.946E-03	6.622E-03	6.476E-03	6.430E-03
E	5.848E-03	6.199E-03	4.219E-03	3.247E-03	9.591E-03	1.006E-02	6.880E-03	5.765E-03	5.246E-03	5.007E-03	4.909E-03	4.884E-03
ESE	2.354E-03	2.336E-03	2.064E-03	1.762E-03	6.111E-03	7.304E-03	5.161E-03	4.267E-03	3.788E-03	3.506E-03	3.334E-03	3.233E-03
SE	1.465E-03	7.066E-04	5.985E-04	4.873E-04	1.822E-03	2.319E-03	1.706E-03	1.443E-03	1.306E-03	1.230E-03	1.188E-03	1.165E-03
SSE	1.095E-03	6.246E-04	2.285E-04	1.673E-04	4.291E-04	3.910E-04	2.622E-04	2.183E-04	1.952E-04	1.810E-04	1.715E-04	1.648E-04
S	1.835E-03	1.208E-03	8.422E-04	6.542E-04	1.787E-03	1.527E-03	9.848E-04	8.698E-04	8.548E-04	8.756E-04	9.117E-04	9.562E-04
SSW	2.871E-03	2.296E-03	1.880E-03	1.569E-03	5.139E-03	5.667E-03	3.929E-03	3.338E-03	3.094E-03	3.004E-03	3.012E-03	3.071E-03
SW	3.487E-03	2.915E-03	2.419E-03	2.047E-03	6.941E-03	7.988E-03	5.665E-03	4.864E-03	4.555E-03	4.463E-03	4.477E-03	4.548E-03
SWW	3.427E-03	2.732E-03	2.183E-03	1.792E-03	5.695E-03	6.201E-03	4.594E-03	4.159E-03	4.063E-03	4.094E-03	4.190E-03	4.319E-03
W	3.528E-03	2.826E-03	2.266E-03	1.864E-03	5.947E-03	6.603E-03	4.954E-03	4.594E-03	4.543E-03	4.645E-03	4.807E-03	4.995E-03
WNW	4.857E-03	3.721E-03	2.995E-03	2.467E-03	7.856E-03	8.626E-03	6.389E-03	5.888E-03	5.820E-03	5.931E-03	6.129E-03	6.398E-03
NW	5.632E-03	4.603E-03	3.477E-03	2.838E-03	8.954E-03	9.714E-03	6.951E-03	6.187E-03	5.924E-03	5.876E-03	5.939E-03	6.059E-03
NNW	6.795E-03	5.248E-03	3.745E-03	2.972E-03	9.084E-03	9.634E-03	6.870E-03	6.079E-03	5.789E-03	5.713E-03	5.747E-03	5.839E-03

TOTAL DOSE COMMITMENT IS 9.909E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
BY THE POPULATION OF THIS REGION. SEE SUMMARY  
TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 4, NODE = DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.265E-01	8.393E-02	6.027E-02	4.628E-02	1.396E-01	1.464E-01	1.021E-01	8.853E-02	8.293E-02	8.081E-02	8.049E-02	8.117E-02
NNE	1.682E-01	1.202E-01	7.443E-02	5.647E-02	1.618E-01	1.650E-01	1.119E-01	9.369E-02	8.512E-02	8.082E-02	7.902E-02	7.874E-02
NE	2.397E-01	1.503E-01	9.083E-02	6.733E-02	1.908E-01	1.956E-01	1.315E-01	1.082E-01	9.709E-02	9.144E-02	8.846E-02	8.701E-02
ENE	2.073E-01	1.516E-01	9.082E-02	6.385E-02	1.681E-01	1.633E-01	1.095E-01	9.166E-02	8.311E-02	7.871E-02	7.652E-02	7.561E-02
E	7.199E-02	7.625E-02	5.190E-02	3.995E-02	1.179E-01	1.231E-01	8.360E-02	6.951E-02	6.277E-02	5.952E-02	5.801E-02	5.743E-02
ESE	2.902E-02	2.878E-02	2.542E-02	2.170E-02	7.518E-02	8.960E-02	6.301E-02	5.180E-02	4.572E-02	4.209E-02	3.982E-02	3.844E-02
SE	1.803E-02	8.708E-03	6.883E-03	6.004E-03	2.242E-02	2.843E-02	2.077E-02	1.746E-02	1.570E-02	1.469E-02	1.411E-02	1.377E-02
SSE	1.345E-02	7.671E-03	2.806E-03	2.054E-03	5.252E-03	4.746E-03	3.156E-03	2.611E-03	2.324E-03	2.146E-03	2.026E-03	1.940E-03
S	2.256E-02	1.485E-02	1.035E-02	8.037E-03	2.190E-02	1.849E-02	1.171E-02	1.019E-02	9.919E-03	1.009E-02	1.046E-02	1.094E-02
SSW	3.536E-02	2.827E-02	2.314E-02	1.931E-02	6.313E-02	6.920E-02	4.748E-02	3.992E-02	3.667E-02	3.533E-02	3.521E-02	3.571E-02
SW	4.298E-02	3.592E-02	2.979E-02	2.521E-02	8.531E-02	9.759E-02	6.851E-02	5.823E-02	5.404E-02	5.255E-02	5.238E-02	5.296E-02
WSW	4.224E-02	3.366E-02	2.688E-02	2.206E-02	6.995E-02	7.556E-02	5.480E-02	4.951E-02	4.793E-02	4.796E-02	4.881E-02	5.009E-02
W	4.349E-02	3.482E-02	2.791E-02	2.295E-02	7.303E-02	8.034E-02	5.947E-02	5.453E-02	5.345E-02	5.428E-02	5.587E-02	5.781E-02
WNN	5.987E-02	4.585E-02	3.689E-02	3.037E-02	9.647E-02	1.050E-01	7.664E-02	6.980E-02	6.835E-02	6.917E-02	7.109E-02	7.390E-02
NW	6.941E-02	5.670E-02	4.281E-02	3.493E-02	1.100E-01	1.184E-01	8.379E-02	7.382E-02	7.007E-02	6.902E-02	6.937E-02	7.045E-02
NNW	8.369E-02	6.460E-02	4.610E-02	3.657E-02	1.116E-01	1.176E-01	8.294E-02	7.268E-02	6.863E-02	6.727E-02	6.729E-02	6.805E-02

TOTAL DOSE COMMITMENT IS 1.198E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	7.882E-04	5.229E-04	3.765E-04	2.896E-04	8.677E-04	8.821E-04	5.828E-04	4.782E-04	4.258E-04	3.968E-04	3.803E-04	3.712E-04
NNE	1.024E-03	7.282E-04	4.571E-04	3.479E-04	9.978E-04	9.981E-04	6.499E-04	5.199E-04	4.518E-04	4.116E-04	3.877E-04	3.736E-04
NE	1.427E-03	9.006E-04	5.529E-04	4.124E-04	1.176E-03	1.190E-03	7.737E-04	6.121E-04	5.274E-04	4.777E-04	4.459E-04	4.248E-04
ENE	1.230E-03	8.996E-04	5.462E-04	3.874E-04	1.031E-03	9.902E-04	6.404E-04	5.134E-04	4.459E-04	4.057E-04	3.804E-04	3.639E-04
E	4.483E-04	4.625E-04	3.181E-04	2.459E-04	7.282E-04	7.484E-04	4.894E-04	3.899E-04	3.373E-04	3.072E-04	2.886E-04	2.765E-04
ESE	1.908E-04	1.836E-04	1.605E-04	1.367E-04	4.711E-04	5.527E-04	3.786E-04	3.021E-04	2.584E-04	2.307E-04	2.118E-04	1.988E-04
SE	1.110E-04	5.645E-05	4.475E-05	3.880E-05	1.425E-04	1.757E-04	1.238E-04	1.001E-04	8.661E-05	7.813E-05	7.250E-05	6.860E-05
SSE	7.778E-05	4.445E-05	1.662E-05	1.217E-05	3.100E-05	2.724E-05	1.743E-05	1.397E-05	1.209E-05	1.088E-05	1.004E-05	9.418E-06
S	1.350E-04	8.945E-05	6.254E-05	4.844E-05	1.305E-04	1.042E-04	5.980E-05	4.770E-05	4.342E-05	4.211E-05	4.217E-05	4.300E-05
SSW	2.249E-04	1.794E-04	1.462E-04	1.216E-04	3.934E-04	4.176E-04	2.710E-04	2.147E-04	1.864E-04	1.709E-04	1.631E-04	1.595E-04
SW	2.809E-04	2.328E-04	1.918E-04	1.615E-04	5.390E-04	5.941E-04	3.938E-04	3.155E-04	2.768E-04	2.560E-04	2.445E-04	2.385E-04
WSW	2.737E-04	2.166E-04	1.721E-04	1.405E-04	4.393E-04	4.538E-04	3.064E-04	2.589E-04	2.365E-04	2.255E-04	2.206E-04	2.191E-04
W	2.849E-04	2.259E-04	1.798E-04	1.470E-04	4.592E-04	4.785E-04	3.274E-04	2.803E-04	2.593E-04	2.510E-04	2.485E-04	2.491E-04
WNW	3.899E-04	2.976E-04	2.377E-04	1.945E-04	6.071E-04	6.254E-04	4.205E-04	3.558E-04	3.275E-04	3.153E-04	3.114E-04	3.135E-04
NW	4.498E-04	3.609E-04	2.723E-04	2.212E-04	6.874E-04	7.107E-04	4.717E-04	3.912E-04	3.517E-04	3.307E-04	3.195E-04	3.141E-04
NNW	5.304E-04	4.037E-04	2.891E-04	2.289E-04	6.926E-04	7.050E-04	4.697E-04	3.891E-04	3.492E-04	3.274E-04	3.152E-04	3.086E-04

TOTAL DOSE COMMITMENT IS 6.822E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 4, NODE =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.061E-02	7.036E-03	5.060E-03	3.886E-03	1.161E-02	1.165E-02	7.523E-03	6.019E-03	5.226E-03	4.756E-03	4.460E-03	4.267E-03
NNE	1.387E-02	9.877E-03	6.173E-03	4.690E-03	1.340E-02	1.325E-02	8.465E-03	6.633E-03	5.642E-03	5.033E-03	4.646E-03	4.394E-03
NE	1.945E-02	1.225E-02	7.487E-03	5.572E-03	1.581E-02	1.584E-02	1.014E-02	7.881E-03	6.663E-03	5.923E-03	5.428E-03	5.081E-03
ENE	1.678E-02	1.228E-02	7.422E-03	5.248E-03	1.387E-02	1.317E-02	8.373E-03	6.584E-03	5.605E-03	4.998E-03	4.597E-03	4.318E-03
E	6.035E-03	6.272E-03	4.300E-03	3.318E-03	9.785E-03	9.957E-03	6.402E-03	5.002E-03	4.240E-03	3.784E-03	3.487E-03	3.281E-03
ESE	2.531E-03	2.455E-03	2.152E-03	1.833E-03	6.312E-03	7.369E-03	4.997E-03	3.938E-03	3.324E-03	2.925E-03	2.649E-03	2.451E-03
SE	1.499E-03	7.514E-04	5.951E-04	5.166E-04	1.900E-03	2.333E-03	1.624E-03	1.293E-03	1.101E-03	9.760E-04	8.904E-04	8.290E-04
SSE	1.069E-03	6.101E-04	2.262E-04	1.651E-04	4.166E-04	3.571E-04	2.231E-04	1.756E-04	1.496E-04	1.329E-04	1.211E-04	1.122E-04
S	1.837E-03	1.214E-03	8.471E-04	6.553E-04	1.755E-03	1.364E-03	7.405E-04	5.595E-04	4.868E-04	4.557E-04	4.442E-04	4.440E-04
SSW	3.009E-03	2.400E-03	1.957E-03	1.627E-03	5.253E-03	5.510E-03	3.493E-03	2.693E-03	2.273E-03	2.028E-03	1.887E-03	1.805E-03
SW	3.731E-03	3.097E-03	2.555E-03	2.151E-03	7.172E-03	7.829E-03	5.079E-03	3.965E-03	3.385E-03	3.049E-03	2.843E-03	2.714E-03
WSW	3.643E-03	2.887E-03	2.294E-03	1.873E-03	5.841E-03	5.947E-03	3.904E-03	3.200E-03	2.838E-03	2.634E-03	2.516E-03	2.448E-03
W	3.782E-03	3.005E-03	2.394E-03	1.956E-03	6.098E-03	6.252E-03	4.144E-03	3.434E-03	3.081E-03	2.902E-03	2.805E-03	2.754E-03
WNW	5.183E-03	3.958E-03	3.164E-03	2.590E-03	8.064E-03	8.171E-03	5.314E-03	4.340E-03	3.865E-03	3.612E-03	3.479E-03	3.428E-03
NW	5.989E-03	4.825E-03	3.638E-03	2.955E-03	9.161E-03	9.342E-03	6.041E-03	4.871E-03	4.261E-03	3.906E-03	3.688E-03	3.551E-03
NNW	7.105E-03	5.426E-03	3.879E-03	3.070E-03	9.259E-03	9.296E-03	6.044E-03	4.877E-03	4.266E-03	3.904E-03	3.677E-03	3.529E-03

TOTAL DOSE COMMITMENT IS 8.825E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 4, NODE -

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 4--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCH:
INHAL.	1.563E-01	1.417E+00	6.986E-01	1.331E-01	7.390E-02	4.948E+00
GROUND	3.098E-02	3.098E-02	3.098E-02	3.098E-02	3.098E-02	3.098E-02
CLOUD	4.269E-02	4.269E-02	4.269E-02	4.269E-02	4.269E-02	4.269E-02
VEG. ING	1.189E+00	1.407E+01	1.189E+00	3.666E+00	3.079E+00	1.189E+00
MEAT ING	4.208E-02	5.088E-01	4.208E-02	1.365E-01	1.123E-01	4.208E-02
MILK ING	3.585E-02	4.637E-01	3.585E-02	7.511E-02	7.880E-02	3.585E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.497E+00	1.653E+01	2.039E+00	4.084E+00	3.417E+00	6.288E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.189E+00	1.407E+01	1.189E+00	3.665E+00	3.078E+00	1.189E+00
MEAT ING	9.489E-01	1.147E+01	9.489E-01	3.079E+00	2.533E+00	9.489E-01
MILK ING	3.237E-02	4.188E-01	3.237E-02	6.783E-02	7.116E-02	3.237E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.170E+00	2.596E+01	2.170E+00	6.813E+00	5.683E+00	2.170E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.563E-01	1.417E+00	6.986E-01	1.331E-01	7.390E-02	4.948E+00
GROUND	3.098E-02	3.098E-02	3.098E-02	3.098E-02	3.098E-02	3.098E-02
CLOUD	4.269E-02	4.269E-02	4.269E-02	4.269E-02	4.269E-02	4.269E-02
VEG. ING	2.378E+00	2.814E+01	2.378E+00	7.331E+00	6.157E+00	2.378E+00
MEAT ING	9.909E-01	1.198E+01	9.909E-01	3.216E+00	2.645E+00	9.909E-01
MILK ING	6.822E-02	8.825E-01	6.822E-02	1.429E-01	1.500E-01	6.822E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.667E+00	4.250E+01	4.209E+00	1.090E+01	9.100E+00	8.459E+00

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1	Nearest Resident	2	1.269E-05	2.790E-05	2.790E-05	2.784E-05	2.679E+01	5.334E+01	5.322E+01	5.322E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.269E-05	2.790E-05	2.790E-05	2.784E-05	2.679E+01	5.334E+01	5.322E+01	5.322E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.033E-01	1.129E-01	1.129E-01	1.126E-01	2.216E+05	2.383E+05	2.377E+05	2.377E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.033E-01	1.129E-01	1.129E-01	1.126E-01	2.216E+05	2.383E+05	2.377E+05	2.377E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	3.264E-03	9.541E-03	9.541E-03	9.519E-03	6.822E+03	1.778E+04	1.774E+04	1.774E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.264E-03	9.541E-03	9.541E-03	9.519E-03	6.822E+03	1.778E+04	1.774E+04	1.774E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.570E-03	7.555E-03	7.555E-03	7.538E-03	5.369E+03	1.407E+04	1.404E+04	1.404E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.570E-03	7.555E-03	7.555E-03	7.538E-03	5.369E+03	1.407E+04	1.404E+04	1.404E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.327E-02	1.882E-02	1.882E-02	1.878E-02	2.833E+04	3.803E+04	3.794E+04	3.794E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.327E-02	1.882E-02	1.882E-02	1.878E-02	2.833E+04	3.803E+04	3.794E+04	3.794E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.271E-02	4.469E-02	4.469E-02	4.459E-02	6.988E+04	9.080E+04	9.058E+04	9.058E+04
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.271E-02	4.469E-02	4.469E-02	4.459E-02	6.988E+04	9.080E+04	9.058E+04	9.058E+04
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.651E-03	1.152E-02	1.152E-02	1.149E-02	7.604E+03	2.134E+04	2.129E+04	2.129E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.651E-03	1.152E-02	1.152E-02	1.149E-02	7.604E+03	2.134E+04	2.129E+04	2.129E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.492E-03	1.395E-02	1.395E-02	1.392E-02	1.808E+04	2.760E+04	2.753E+04	2.753E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		8.492E-03	1.395E-02	1.395E-02	1.392E-02	1.808E+04	2.760E+04	2.753E+04	2.753E+04

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	2.942E-02	3.591E-02	3.591E-02	3.583E-02	6.299E+04	7.432E+04	7.414E+04	7.414E+04
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.942E-02	3.591E-02	3.591E-02	3.583E-02	6.299E+04	7.432E+04	7.414E+04	7.414E+04
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	2	1.248E-05	2.778E-05	2.778E-05	2.771E-05	2.634E+01	5.304E+01	5.292E+01	5.292E+01
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.248E-05	2.778E-05	2.778E-05	2.771E-05	2.634E+01	5.304E+01	5.292E+01	5.292E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	1.183E-05	2.508E-05	2.508E-05	2.502E-05	2.502E+01	4.813E+01	4.803E+01	4.803E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.183E-05	2.508E-05	2.508E-05	2.502E-05	2.502E+01	4.813E+01	4.803E+01	4.803E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	2.412E-06	5.174E-06	5.174E-06	5.162E-06	5.098E+00	9.918E+00	9.896E+00	9.896E+00
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.412E-06	5.174E-06	5.174E-06	5.162E-06	5.098E+00	9.918E+00	9.896E+00	9.896E+00
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	5.919E-03	2.641E-02	2.641E-02	2.634E-02	1.209E+04	4.785E+04	4.775E+04	4.775E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		5.919E-03	2.641E-02	2.641E-02	2.634E-02	1.209E+04	4.785E+04	4.775E+04	4.775E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.154E-03	6.633E-03	6.633E-03	6.618E-03	4.491E+03	1.231E+04	1.228E+04	1.228E+04
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.154E-03	6.633E-03	6.633E-03	6.618E-03	4.491E+03	1.231E+04	1.228E+04	1.228E+04

REGION: Sweetwater Uranium Facii CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 4, NODE -

PAGE 180  
 02/25/94  
 DURATION IN YRS IS... 3.0

NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS							GROUND CONCENTRATIONS, PCI/M2				
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.694E+00	1.695E+00	1.643E+00	1.569E+00	3.902E-05	1.056E-06	7.453E-10	1.593E-05	1.343E+00	1.343E+00	1.343E+00	2.964E+01
2	2.208E+02	1.964E+02	6.502E+01	1.945E+01	9.137E-06	5.173E-09	8.466E-14	6.045E-04	1.555E+02	1.555E+02	1.555E+02	6.738E+00
3	1.101E+02	9.807E+01	3.416E+01	1.141E+01	6.313E-06	4.182E-09	7.964E-14	3.168E-04	7.768E+01	7.768E+01	7.768E+01	4.655E+00
4	8.984E+01	6.834E+01	1.816E+01	5.380E+00	2.724E-06	1.756E-09	3.519E-14	1.825E-04	5.413E+01	5.413E+01	5.413E+01	2.049E+00
5	1.027E+02	9.384E+01	3.808E+01	1.469E+01	9.811E-06	7.735E-09	1.741E-13	3.445E-04	7.432E+01	7.432E+01	7.432E+01	7.235E+00
6	2.128E+02	1.754E+02	4.365E+01	9.912E+00	3.335E-06	1.377E-09	1.660E-14	4.390E-04	1.389E+02	1.389E+02	1.389E+02	2.460E+00
7	1.408E+02	1.232E+02	3.908E+01	1.182E+01	5.743E-06	3.365E-09	5.692E-14	3.691E-04	9.756E+01	9.756E+01	9.756E+01	4.235E+00
8	9.890E+01	8.956E+01	3.429E+01	1.260E+01	7.920E-06	5.911E-09	1.263E-13	3.131E-04	7.093E+01	7.093E+01	7.093E+01	5.841E+00
9	1.318E+02	1.199E+02	4.733E+01	1.725E+01	1.053E-05	7.631E-09	1.585E-13	4.278E-04	9.496E+01	9.496E+01	9.496E+01	7.766E+00
10	1.798E+00	1.799E+00	1.765E+00	1.710E+00	5.415E-05	1.875E-06	1.708E-09	1.718E-05	1.425E+00	1.425E+00	1.425E+00	4.117E+01
11	6.455E-01	6.459E-01	6.431E-01	6.351E-01	2.943E-05	1.468E-06	1.950E-09	6.295E-06	5.116E-01	5.116E-01	5.116E-01	2.197E+01
12	2.858E-01	2.860E-01	2.846E-01	2.807E-01	1.425E-05	8.607E-07	1.429E-09	2.784E-06	2.265E-01	2.265E-01	2.265E-01	1.078E+01
13	3.438E+02	2.398E+02	4.376E+01	8.104E+00	2.370E-06	1.008E-09	1.603E-14	4.991E-04	1.900E+02	1.900E+02	1.900E+02	1.799E+00
14	1.006E+02	9.151E+01	4.066E+01	1.958E+01	1.964E-05	2.309E-08	7.767E-13	3.734E-04	7.248E+01	7.248E+01	7.248E+01	1.461E+01

NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.80E-01	4.80E-01	1.14E+00	9.74E-02	7.67E-02	0.00E+00
INFANT	GROUND	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04
INFANT	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.31E-02	7.68E-02	3.58E-02	3.58E-02	4.84E-02	0.00E+00
INFANT	TOTALS	2.03E-01	5.57E-01	1.18E+00	1.33E-01	1.25E-01	2.50E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.43E-02	4.05E-01	5.24E-01	3.93E-02	2.62E-02	0.00E+00
CHILD	GROUND	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04
CHILD	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
CHILD	VEG. ING	1.11E-02	5.60E-02	4.72E-02	4.72E-02	3.72E-02	0.00E+00
CHILD	MEAT ING	1.27E-03	6.34E-03	6.01E-03	6.01E-03	4.56E-03	0.00E+00
CHILD	MILK ING	2.72E-03	1.79E-02	8.09E-03	8.09E-03	8.04E-03	0.00E+00
CHILD	TOTALS	9.96E-02	4.85E-01	5.86E-01	1.01E-01	7.63E-02	2.50E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.30E-02	4.50E-01	2.70E-01	1.71E-02	1.31E-02	0.00E+00
TEENAGE	GROUND	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04
TEENAGE	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
TEENAGE	VEG. ING	1.81E-02	2.99E-01	4.20E-02	4.20E-02	3.80E-02	0.00E+00
TEENAGE	MEAT ING	2.00E-03	3.27E-02	5.25E-03	5.25E-03	4.54E-03	0.00E+00
TEENAGE	MILK ING	3.80E-03	7.98E-02	5.20E-03	5.20E-03	6.14E-03	0.00E+00
TEENAGE	TOTALS	7.72E-02	8.62E-01	3.23E-01	6.99E-02	6.21E-02	2.50E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.56E-02	4.22E-01	2.23E-01	1.41E-02	1.00E-02	0.00E+00
ADULT	GROUND	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04
ADULT	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
ADULT	VEG. ING	1.03E-02	1.26E-01	2.74E-02	2.74E-02	2.40E-02	0.00E+00
ADULT	MEAT ING	1.46E-03	1.80E-02	4.34E-03	4.34E-03	3.66E-03	0.00E+00
ADULT	MILK ING	7.30E-04	1.10E-02	1.29E-03	1.29E-03	1.42E-03	0.00E+00
ADULT	TOTALS	5.83E-02	5.77E-01	2.56E-01	4.74E-02	3.94E-02	2.50E-04



TIME STEP NUMBER 4, NODE -

NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.13E-01	5.01E-01	1.15E+00	2.07E-01	1.19E-01	2.12E+00
INFANT	GROUND	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02
INFANT	CLOUD	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.69E-02	8.43E-02	4.96E-02	4.96E-02	6.07E-02	0.00E+00
INFANT	TOTALS	3.68E-01	6.13E-01	1.22E+00	2.84E-01	2.07E-01	2.15E+00
CHILD	INHAL.	2.15E-01	4.21E-01	5.25E-01	8.79E-02	4.62E-02	2.12E+00
CHILD	GROUND	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02
CHILD	CLOUD	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02
CHILD	VEG. ING	1.48E-02	7.28E-02	6.69E-02	6.69E-02	5.18E-02	0.00E+00
CHILD	MEAT ING	1.75E-03	8.50E-03	8.55E-03	8.55E-03	6.43E-03	0.00E+00
CHILD	MILK ING	3.33E-03	2.06E-02	1.13E-02	1.13E-02	1.04E-02	0.00E+00
CHILD	TOTALS	2.62E-01	5.50E-01	6.40E-01	2.02E-01	1.42E-01	2.15E+00
TEENAGE	INHAL.	1.84E-01	4.89E-01	2.71E-01	3.79E-02	2.31E-02	2.12E+00
TEENAGE	GROUND	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02
TEENAGE	CLOUD	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02
TEENAGE	VEG. ING	2.37E-02	3.81E-01	5.96E-02	5.96E-02	5.26E-02	0.00E+00
TEENAGE	MEAT ING	2.70E-03	4.30E-02	7.48E-03	7.48E-03	6.38E-03	0.00E+00
TEENAGE	MILK ING	4.44E-03	8.94E-02	7.26E-03	7.26E-03	7.85E-03	0.00E+00
TEENAGE	TOTALS	2.42E-01	1.03E+00	3.73E-01	1.40E-01	1.17E-01	2.15E+00
ADULT	INHAL.	1.75E-01	4.45E-01	2.23E-01	3.15E-02	1.83E-02	2.12E+00
ADULT	GROUND	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02
ADULT	CLOUD	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02	1.73E-02
ADULT	VEG. ING	1.36E-02	1.64E-01	3.89E-02	3.89E-02	3.34E-02	0.00E+00
ADULT	MEAT ING	2.00E-03	2.42E-02	6.18E-03	6.18E-03	5.16E-03	0.00E+00
ADULT	MILK ING	8.80E-04	1.27E-02	1.81E-03	1.81E-03	1.84E-03	0.00E+00
ADULT	TOTALS	2.19E-01	6.74E-01	2.97E-01	1.06E-01	8.61E-02	2.15E+00

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 4, NODE =

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 DURATION IN YRS IS... 3.0

NUMBER 2 NAME-Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.56E+02	1.95E+03	6.52E+03	3.94E+02	3.14E+02	0.00E+00
INFANT	GROUND	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00
INFANT	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.19E+02	3.83E+02	1.46E+02	1.46E+02	2.73E+02	0.00E+00
INFANT	TOTALS	1.08E+03	2.33E+03	6.67E+03	5.42E+02	5.88E+02	1.43E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.51E+02	1.64E+03	3.04E+03	1.59E+02	1.08E+02	0.00E+00
CHILD	GROUND	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00
CHILD	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
CHILD	VEG. ING	4.72E+01	2.37E+02	1.92E+02	1.92E+02	1.63E+02	0.00E+00
CHILD	MEAT ING	5.29E+00	2.63E+01	2.44E+01	2.44E+01	1.92E+01	0.00E+00
CHILD	MILK ING	1.26E+01	8.00E+01	3.30E+01	3.30E+01	4.18E+01	0.00E+00
CHILD	TOTALS	5.17E+02	1.99E+03	3.29E+03	4.10E+02	3.33E+02	1.43E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.72E+02	1.82E+03	1.57E+03	6.93E+01	5.40E+01	0.00E+00
TEENAGE	GROUND	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00
TEENAGE	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
TEENAGE	VEG. ING	7.63E+01	1.28E+03	1.71E+02	1.71E+02	1.67E+02	0.00E+00
TEENAGE	MEAT ING	8.30E+00	1.36E+02	2.14E+01	2.14E+01	1.92E+01	0.00E+00
TEENAGE	MILK ING	1.69E+01	3.57E+02	2.12E+01	2.12E+01	3.19E+01	0.00E+00
TEENAGE	TOTALS	3.75E+02	3.59E+03	1.79E+03	2.84E+02	2.73E+02	1.43E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.32E+02	1.71E+03	1.30E+03	5.72E+01	4.13E+01	0.00E+00
ADULT	GROUND	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00	1.43E+00
ADULT	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
ADULT	VEG. ING	4.29E+01	5.27E+02	1.11E+02	1.11E+02	1.04E+02	0.00E+00
ADULT	MEAT ING	6.03E+00	7.43E+01	1.77E+01	1.77E+01	1.54E+01	0.00E+00
ADULT	MILK ING	3.21E+00	4.83E+01	5.25E+00	5.25E+00	7.24E+00	0.00E+00
ADULT	TOTALS	2.86E+02	2.36E+03	1.43E+03	1.93E+02	1.70E+02	1.43E+00

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 4, NODE -

NUMBER 2 NAME--Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.72E+02	1.95E+03	6.52E+03	3.94E+02	3.14E+02	2.76E+02
INFANT	GROUND	4.39E+01	4.39E+01	4.39E+01	4.39E+01	4.39E+01	4.39E+01
INFANT	CLOUD	2.76E-01	2.76E-01	2.76E-01	2.76E-01	2.76E-01	2.76E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.19E+02	3.83E+02	1.46E+02	1.46E+02	2.73E+02	0.00E+00
INFANT	TOTALS	1.14E+03	2.37E+03	6.71E+03	5.84E+02	6.31E+02	3.20E+02
CHILD	INHAL.	4.67E+02	1.64E+03	3.04E+03	1.59E+02	1.08E+02	2.76E+02
CHILD	GROUND	4.39E+01	4.39E+01	4.39E+01	4.39E+01	4.39E+01	4.39E+01
CHILD	CLOUD	2.76E-01	2.76E-01	2.76E-01	2.76E-01	2.76E-01	2.76E-01
CHILD	VEG. ING	4.72E+01	2.37E+02	1.92E+02	1.92E+02	1.63E+02	0.00E+00
CHILD	MEAT ING	5.29E+00	2.63E+01	2.44E+01	2.44E+01	1.92E+01	0.00E+00
CHILD	MILK ING	1.26E+01	8.00E+01	3.30E+01	3.30E+01	4.18E+01	0.00E+00
CHILD	TOTALS	5.77E+02	2.03E+03	3.33E+03	4.52E+02	3.76E+02	3.20E+02
TEENAGE	INHAL.	2.88E+02	1.82E+03	1.57E+03	6.93E+01	5.41E+01	2.76E+02
TEENAGE	GROUND	4.39E+01	4.39E+01	4.39E+01	4.39E+01	4.39E+01	4.39E+01
TEENAGE	CLOUD	2.76E-01	2.76E-01	2.76E-01	2.76E-01	2.76E-01	2.76E-01
TEENAGE	VEG. ING	7.63E+01	1.28E+03	1.71E+02	1.71E+02	1.67E+02	0.00E+00
TEENAGE	MEAT ING	8.30E+00	1.36E+02	2.14E+01	2.14E+01	1.92E+01	0.00E+00
TEENAGE	MILK ING	1.69E+01	3.57E+02	2.12E+01	2.12E+01	3.19E+01	0.00E+00
TEENAGE	TOTALS	4.34E+02	3.64E+03	1.83E+03	3.27E+02	3.16E+02	3.20E+02
ADULT	INHAL.	2.49E+02	1.71E+03	1.30E+03	5.72E+01	4.13E+01	2.76E+02
ADULT	GROUND	4.39E+01	4.39E+01	4.39E+01	4.39E+01	4.39E+01	4.39E+01
ADULT	CLOUD	2.76E-01	2.76E-01	2.76E-01	2.76E-01	2.76E-01	2.76E-01
ADULT	VEG. ING	4.29E+01	5.27E+02	1.11E+02	1.11E+02	1.04E+02	0.00E+00
ADULT	MEAT ING	6.03E+00	7.43E+01	1.77E+01	1.77E+01	1.54E+01	0.00E+00
ADULT	MILK ING	3.21E+00	4.83E+01	5.25E+00	5.25E+00	7.24E+00	0.00E+00
ADULT	TOTALS	3.45E+02	2.40E+03	1.48E+03	2.36E+02	2.12E+02	3.20E+02

TIME STEP NUMBER 4, NODE -

NUMBER 3 NAME=Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.67E+01	1.64E+02	3.52E+02	3.33E+01	2.62E+01	0.00E+00
INFANT	GROUND	7.69E-02	7.69E-02	7.69E-02	7.69E-02	7.69E-02	7.69E-02
INFANT	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.38E+00	2.48E+01	1.22E+01	1.22E+01	1.50E+01	0.00E+00
INFANT	TOTALS	6.41E+01	1.89E+02	3.64E+02	4.56E+01	4.12E+01	7.69E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.65E+01	1.38E+02	1.60E+02	1.34E+01	8.93E+00	0.00E+00
CHILD	GROUND	7.69E-02	7.69E-02	7.69E-02	7.69E-02	7.69E-02	7.69E-02
CHILD	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
CHILD	VEG. ING	3.76E+00	1.89E+01	1.61E+01	1.61E+01	1.25E+01	0.00E+00
CHILD	MEAT ING	4.32E-01	2.15E+00	2.05E+00	2.05E+00	1.54E+00	0.00E+00
CHILD	MILK ING	8.96E-01	5.95E+00	2.76E+00	2.76E+00	2.56E+00	0.00E+00
CHILD	TOTALS	3.17E+01	1.66E+02	1.81E+02	3.44E+01	2.56E+01	7.69E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.70E+01	1.54E+02	8.26E+01	5.86E+00	4.47E+00	0.00E+00
TEENAGE	GROUND	7.69E-02	7.69E-02	7.69E-02	7.69E-02	7.69E-02	7.69E-02
TEENAGE	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
TEENAGE	VEG. ING	6.14E+00	1.01E+02	1.44E+01	1.44E+01	1.27E+01	0.00E+00
TEENAGE	MEAT ING	6.81E-01	1.11E+01	1.79E+00	1.79E+00	1.54E+00	0.00E+00
TEENAGE	MILK ING	1.27E+00	2.66E+01	1.77E+00	1.77E+00	1.95E+00	0.00E+00
TEENAGE	TOTALS	2.51E+01	2.93E+02	1.01E+02	2.39E+01	2.08E+01	7.69E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.46E+01	1.44E+02	6.79E+01	4.84E+00	3.41E+00	0.00E+00
ADULT	GROUND	7.69E-02	7.69E-02	7.69E-02	7.69E-02	7.69E-02	7.69E-02
ADULT	CLOUD	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07	8.57E-07
ADULT	VEG. ING	3.49E+00	4.26E+01	9.36E+00	9.36E+00	8.06E+00	0.00E+00
ADULT	MEAT ING	4.98E-01	6.11E+00	1.48E+00	1.48E+00	1.24E+00	0.00E+00
ADULT	MILK ING	2.44E-01	3.69E+00	4.40E-01	4.40E-01	4.55E-01	0.00E+00
ADULT	TOTALS	1.89E+01	1.97E+02	7.92E+01	1.62E+01	1.32E+01	7.69E-02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 4, NODE =

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 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 3 NAME=Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.49E+01	1.64E+02	3.52E+02	3.33E+01	2.62E+01	1.38E+02
INFANT	GROUND	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00
INFANT	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.38E+00	2.48E+01	1.22E+01	1.22E+01	1.50E+01	0.00E+00
INFANT	TOTALS	7.57E+01	1.92E+02	3.68E+02	4.90E+01	4.46E+01	1.41E+02
CHILD	INHAL.	3.48E+01	1.38E+02	1.60E+02	1.34E+01	8.93E+00	1.38E+02
CHILD	GROUND	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00
CHILD	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
CHILD	VEG. ING	3.76E+00	1.89E+01	1.61E+01	1.61E+01	1.25E+01	0.00E+00
CHILD	MEAT ING	4.32E-01	2.15E+00	2.05E+00	2.05E+00	1.54E+00	0.00E+00
CHILD	MILK ING	8.96E-01	5.95E+00	2.76E+00	2.76E+00	2.56E+00	0.00E+00
CHILD	TOTALS	4.33E+01	1.69E+02	1.85E+02	3.78E+01	2.89E+01	1.41E+02
TEENAGE	INHAL.	2.52E+01	1.54E+02	8.26E+01	5.86E+00	4.47E+00	1.38E+02
TEENAGE	GROUND	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00
TEENAGE	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
TEENAGE	VEG. ING	6.14E+00	1.01E+02	1.44E+01	1.44E+01	1.27E+01	0.00E+00
TEENAGE	MEAT ING	6.82E-01	1.11E+01	1.79E+00	1.79E+00	1.54E+00	0.00E+00
TEENAGE	MILK ING	1.27E+00	2.66E+01	1.77E+00	1.77E+00	1.96E+00	0.00E+00
TEENAGE	TOTALS	3.67E+01	2.96E+02	1.04E+02	2.72E+01	2.41E+01	1.41E+02
ADULT	INHAL.	2.29E+01	1.44E+02	6.79E+01	4.84E+00	3.41E+00	1.38E+02
ADULT	GROUND	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00
ADULT	CLOUD	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01
ADULT	VEG. ING	3.49E+00	4.26E+01	9.36E+00	9.36E+00	8.06E+00	0.00E+00
ADULT	MEAT ING	4.98E-01	6.11E+00	1.48E+00	1.48E+00	1.24E+00	0.00E+00
ADULT	MILK ING	2.44E-01	3.69E+00	4.40E-01	4.40E-01	4.55E-01	0.00E+00
ADULT	TOTALS	3.05E+01	2.00E+02	8.26E+01	1.95E+01	1.66E+01	1.41E+02

NUMBER 4 NAME-Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.48E+01	1.30E+02	2.78E+02	2.64E+01	2.07E+01	0.00E+00
INFANT	GROUND	6.08E-02	6.08E-02	6.08E-02	6.08E-02	6.08E-02	6.08E-02
INFANT	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.84E+00	1.96E+01	9.66E+00	9.66E+00	1.18E+01	0.00E+00
INFANT	TOTALS	5.07E+01	1.50E+02	2.88E+02	3.61E+01	3.26E+01	6.08E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.10E+01	1.10E+02	1.27E+02	1.06E+01	7.07E+00	0.00E+00
CHILD	GROUND	6.08E-02	6.08E-02	6.08E-02	6.08E-02	6.08E-02	6.08E-02
CHILD	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
CHILD	VEG. ING	2.98E+00	1.50E+01	1.28E+01	1.28E+01	9.88E+00	0.00E+00
CHILD	MEAT ING	3.42E-01	1.70E+00	1.62E+00	1.62E+00	1.22E+00	0.00E+00
CHILD	MILK ING	7.09E-01	4.71E+00	2.19E+00	2.19E+00	2.02E+00	0.00E+00
CHILD	TOTALS	2.51E+01	1.31E+02	1.43E+02	2.73E+01	2.03E+01	6.08E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.34E+01	1.22E+02	6.53E+01	4.64E+00	3.54E+00	0.00E+00
TEENAGE	GROUND	6.08E-02	6.08E-02	6.08E-02	6.08E-02	6.08E-02	6.08E-02
TEENAGE	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
TEENAGE	VEG. ING	4.86E+00	8.00E+01	1.14E+01	1.14E+01	1.01E+01	0.00E+00
TEENAGE	MEAT ING	5.40E-01	8.79E+00	1.42E+00	1.42E+00	1.22E+00	0.00E+00
TEENAGE	MILK ING	1.00E+00	2.10E+01	1.41E+00	1.41E+00	1.55E+00	0.00E+00
TEENAGE	TOTALS	1.99E+01	2.32E+02	7.95E+01	1.89E+01	1.64E+01	6.08E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.15E+01	1.14E+02	5.36E+01	3.83E+00	2.70E+00	0.00E+00
ADULT	GROUND	6.08E-02	6.08E-02	6.08E-02	6.08E-02	6.08E-02	6.08E-02
ADULT	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
ADULT	VEG. ING	2.76E+00	3.37E+01	7.41E+00	7.41E+00	6.38E+00	0.00E+00
ADULT	MEAT ING	3.94E-01	4.84E+00	1.17E+00	1.17E+00	9.82E-01	0.00E+00
ADULT	MILK ING	1.93E-01	2.92E+00	3.48E-01	3.48E-01	3.60E-01	0.00E+00
ADULT	TOTALS	1.50E+01	1.56E+02	6.26E+01	1.28E+01	1.05E+01	6.08E-02

NUMBER 4 NAME-Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.15E+01	1.30E+02	2.78E+02	2.64E+01	2.07E+01	1.12E+02
INFANT	GROUND	2.58E+00	2.58E+00	2.58E+00	2.58E+00	2.58E+00	2.58E+00
INFANT	CLOUD	7.67E-02	7.67E-02	7.67E-02	7.67E-02	7.67E-02	7.67E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.84E+00	1.96E+01	9.66E+00	9.66E+00	1.18E+01	0.00E+00
INFANT	TOTALS	6.00E+01	1.52E+02	2.91E+02	3.87E+01	3.52E+01	1.15E+02
CHILD	INHAL.	2.77E+01	1.10E+02	1.27E+02	1.06E+01	7.07E+00	1.12E+02
CHILD	GROUND	2.58E+00	2.58E+00	2.58E+00	2.58E+00	2.58E+00	2.58E+00
CHILD	CLOUD	7.67E-02	7.67E-02	7.67E-02	7.67E-02	7.67E-02	7.67E-02
CHILD	VEG. ING	2.98E+00	1.50E+01	1.28E+01	1.28E+01	9.88E+00	0.00E+00
CHILD	MEAT ING	3.42E-01	1.70E+00	1.62E+00	1.62E+00	1.22E+00	0.00E+00
CHILD	MILK ING	7.09E-01	4.71E+00	2.19E+00	2.19E+00	2.02E+00	0.00E+00
CHILD	TOTALS	3.44E+01	1.34E+02	1.46E+02	2.99E+01	2.28E+01	1.15E+02
TEENAGE	INHAL.	2.01E+01	1.22E+02	6.53E+01	4.64E+00	3.54E+00	1.12E+02
TEENAGE	GROUND	2.58E+00	2.58E+00	2.58E+00	2.58E+00	2.58E+00	2.58E+00
TEENAGE	CLOUD	7.67E-02	7.67E-02	7.67E-02	7.67E-02	7.67E-02	7.67E-02
TEENAGE	VEG. ING	4.86E+00	8.00E+01	1.14E+01	1.14E+01	1.01E+01	0.00E+00
TEENAGE	MEAT ING	5.40E-01	8.79E+00	1.42E+00	1.42E+00	1.22E+00	0.00E+00
TEENAGE	MILK ING	1.00E+00	2.10E+01	1.41E+00	1.41E+00	1.55E+00	0.00E+00
TEENAGE	TOTALS	2.92E+01	2.34E+02	8.21E+01	2.15E+01	1.90E+01	1.15E+02
ADULT	INHAL.	1.83E+01	1.14E+02	5.36E+01	3.83E+00	2.70E+00	1.12E+02
ADULT	GROUND	2.58E+00	2.58E+00	2.58E+00	2.58E+00	2.58E+00	2.58E+00
ADULT	CLOUD	7.67E-02	7.67E-02	7.67E-02	7.67E-02	7.67E-02	7.67E-02
ADULT	VEG. ING	2.76E+00	3.37E+01	7.41E+00	7.41E+00	6.38E+00	0.00E+00
ADULT	MEAT ING	3.94E-01	4.84E+00	1.17E+00	1.17E+00	9.82E-01	0.00E+00
ADULT	MILK ING	1.93E-01	2.92E+00	3.48E-01	3.48E-01	3.60E-01	0.00E+00
ADULT	TOTALS	2.43E+01	1.58E+02	6.52E+01	1.94E+01	1.31E+01	1.15E+02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 5 NAME=Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.42E+02	3.24E+02	9.43E+02	6.57E+01	5.21E+01	0.00E+00
INFANT	GROUND	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01
INFANT	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.79E+01	5.83E+01	2.42E+01	2.42E+01	3.97E+01	0.00E+00
INFANT	TOTALS	1.60E+02	3.83E+02	9.68E+02	9.02E+01	9.20E+01	2.06E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.68E+01	2.73E+02	4.37E+02	2.65E+01	1.78E+01	0.00E+00
CHILD	GROUND	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01
CHILD	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
CHILD	VEG. ING	7.71E+00	3.87E+01	3.19E+01	3.19E+01	2.62E+01	0.00E+00
CHILD	MEAT ING	8.71E-01	4.34E+00	4.07E+00	4.07E+00	3.15E+00	0.00E+00
CHILD	MILK ING	1.98E+00	1.28E+01	5.48E+00	5.48E+00	6.27E+00	0.00E+00
CHILD	TOTALS	7.76E+01	3.30E+02	4.78E+02	6.82E+01	5.37E+01	2.06E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.10E+01	3.04E+02	2.26E+02	1.16E+01	8.94E+00	0.00E+00
TEENAGE	GROUND	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01
TEENAGE	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
TEENAGE	VEG. ING	1.25E+01	2.08E+02	2.84E+01	2.84E+01	2.68E+01	0.00E+00
TEENAGE	MEAT ING	1.37E+00	2.24E+01	3.56E+00	3.56E+00	3.14E+00	0.00E+00
TEENAGE	MILK ING	2.70E+00	5.69E+01	3.52E+00	3.52E+00	4.78E+00	0.00E+00
TEENAGE	TOTALS	5.78E+01	5.91E+02	2.61E+02	4.73E+01	4.39E+01	2.06E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.51E+01	2.85E+02	1.86E+02	9.54E+00	6.83E+00	0.00E+00
ADULT	GROUND	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01
ADULT	CLOUD	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06	2.38E-06
ADULT	VEG. ING	7.05E+00	8.64E+01	1.85E+01	1.85E+01	1.68E+01	0.00E+00
ADULT	MEAT ING	9.97E-01	1.23E+01	2.94E+00	2.94E+00	2.52E+00	0.00E+00
ADULT	MILK ING	5.16E-01	7.76E+00	8.73E-01	8.73E-01	1.09E+00	0.00E+00
ADULT	TOTALS	4.38E+01	3.92E+02	2.09E+02	3.21E+01	2.75E+01	2.06E-01



TIME STEP NUMBER 4, NODE -

NUMBER 5 NAME-Restricted Area Boun X- -0.3KM, Y- 0.0KM, Z- -3.8M, DIST- 0.3KM, IRTYPE-10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION. MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.50E+02	3.24E+02	9.43E+02	6.58E+01	5.21E+01	1.28E+02
INFANT	GROUND	7.00E+00	7.00E+00	7.00E+00	7.00E+00	7.00E+00	7.00E+00
INFANT	CLOUD	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.93E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.79E+01	5.84E+01	2.42E+01	2.42E+01	3.97E+01	0.00E+00
INFANT	TOTALS	1.75E+02	3.90E+02	9.75E+02	9.72E+01	9.90E+01	1.36E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.45E+01	2.73E+02	4.37E+02	2.65E+01	1.78E+01	1.28E+02
CHILD	GROUND	7.00E+00	7.00E+00	7.00E+00	7.00E+00	7.00E+00	7.00E+00
CHILD	CLOUD	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.93E-01
CHILD	VEG. ING	7.71E+00	3.87E+01	3.19E+01	3.19E+01	2.62E+01	0.00E+00
CHILD	MEAT ING	8.72E-01	4.34E+00	4.07E+00	4.07E+00	3.15E+00	0.00E+00
CHILD	MILK ING	1.98E+00	1.28E+01	5.48E+00	5.48E+00	6.27E+00	0.00E+00
CHILD	TOTALS	9.23E+01	3.37E+02	4.85E+02	7.52E+01	6.07E+01	1.36E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.87E+01	3.04E+02	2.26E+02	1.16E+01	8.95E+00	1.28E+02
TEENAGE	GROUND	7.00E+00	7.00E+00	7.00E+00	7.00E+00	7.00E+00	7.00E+00
TEENAGE	CLOUD	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.93E-01
TEENAGE	VEG. ING	1.25E+01	2.08E+02	2.84E+01	2.84E+01	2.68E+01	0.00E+00
TEENAGE	MEAT ING	1.37E+00	2.24E+01	3.56E+00	3.56E+00	3.14E+00	0.00E+00
TEENAGE	MILK ING	2.70E+00	5.69E+01	3.52E+00	3.52E+00	4.78E+00	0.00E+00
TEENAGE	TOTALS	7.24E+01	5.98E+02	2.68E+02	5.43E+01	5.09E+01	1.36E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.28E+01	2.85E+02	1.86E+02	9.55E+00	6.83E+00	1.28E+02
ADULT	GROUND	7.00E+00	7.00E+00	7.00E+00	7.00E+00	7.00E+00	7.00E+00
ADULT	CLOUD	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.93E-01	1.93E-01
ADULT	VEG. ING	7.05E+00	8.65E+01	1.85E+01	1.85E+01	1.68E+01	0.00E+00
ADULT	MEAT ING	9.97E-01	1.23E+01	2.94E+00	2.94E+00	2.52E+00	0.00E+00
ADULT	MILK ING	5.16E-01	7.76E+00	8.73E-01	8.73E-01	1.09E+00	0.00E+00
ADULT	TOTALS	5.85E+01	3.99E+02	2.16E+02	3.91E+01	3.45E+01	1.36E+02

TIME STEP NUMBER 4, NODE -

NUMBER 6 NAME=Restricted Area Bour X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.42E+02	7.70E+02	2.28E+03	1.56E+02	1.24E+02	0.00E+00
INFANT	GROUND	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01
INFANT	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.30E+01	1.40E+02	5.76E+01	5.76E+01	9.59E+01	0.00E+00
INFANT	TOTALS	3.86E+02	9.11E+02	2.34E+03	2.14E+02	2.20E+02	5.00E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.61E+02	6.49E+02	1.06E+03	6.30E+01	4.24E+01	0.00E+00
CHILD	GROUND	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01
CHILD	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
CHILD	VEG. ING	1.83E+01	9.22E+01	7.58E+01	7.58E+01	6.25E+01	0.00E+00
CHILD	MEAT ING	2.07E+00	1.03E+01	9.66E+00	9.66E+00	7.49E+00	0.00E+00
CHILD	MILK ING	4.74E+00	3.05E+01	1.30E+01	1.30E+01	1.51E+01	0.00E+00
CHILD	TOTALS	1.87E+02	7.83E+02	1.16E+03	1.62E+02	1.28E+02	5.00E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	9.86E+01	7.21E+02	5.47E+02	2.74E+01	2.13E+01	0.00E+00
TEENAGE	GROUND	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01
TEENAGE	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
TEENAGE	VEG. ING	2.97E+01	4.95E+02	6.75E+01	6.75E+01	6.39E+01	0.00E+00
TEENAGE	MEAT ING	3.26E+00	5.34E+01	8.45E+00	8.45E+00	7.47E+00	0.00E+00
TEENAGE	MILK ING	6.44E+00	1.36E+02	8.37E+00	8.37E+00	1.15E+01	0.00E+00
TEENAGE	TOTALS	1.39E+02	1.41E+03	6.32E+02	1.12E+02	1.05E+02	5.00E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	8.44E+01	6.77E+02	4.51E+02	2.27E+01	1.62E+01	0.00E+00
ADULT	GROUND	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01	5.00E-01
ADULT	CLOUD	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06	5.78E-06
ADULT	VEG. ING	1.68E+01	2.06E+02	4.40E+01	4.40E+01	4.02E+01	0.00E+00
ADULT	MEAT ING	2.37E+00	2.92E+01	6.98E+00	6.98E+00	6.00E+00	0.00E+00
ADULT	MILK ING	1.23E+00	1.85E+01	2.07E+00	2.07E+00	2.63E+00	0.00E+00
ADULT	TOTALS	1.05E+02	9.31E+02	5.05E+02	7.62E+01	6.55E+01	5.00E-01

TIME STEP NUMBER 4, NODE -

NUMBER 6 NAME=Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.58E+02	7.70E+02	2.28E+03	1.56E+02	1.24E+02	2.66E+02
INFANT	GROUND	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01
INFANT	CLOUD	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.30E+01	1.40E+02	5.76E+01	5.76E+01	9.59E+01	0.00E+00
INFANT	TOTALS	4.18E+02	9.27E+02	2.36E+03	2.31E+02	2.37E+02	2.83E+02
CHILD	INHAL.	1.77E+02	6.49E+02	1.06E+03	6.30E+01	4.24E+01	2.66E+02
CHILD	GROUND	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01
CHILD	CLOUD	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
CHILD	VEG. ING	1.83E+01	9.22E+01	7.58E+01	7.58E+01	6.25E+01	0.00E+00
CHILD	MEAT ING	2.07E+00	1.03E+01	9.66E+00	9.66E+00	7.49E+00	0.00E+00
CHILD	MILK ING	4.74E+00	3.05E+01	1.30E+01	1.30E+01	1.51E+01	0.00E+00
CHILD	TOTALS	2.19E+02	7.99E+02	1.17E+03	1.78E+02	1.44E+02	2.83E+02
TEENAGE	INHAL.	1.15E+02	7.21E+02	5.47E+02	2.74E+01	2.13E+01	2.66E+02
TEENAGE	GROUND	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01
TEENAGE	CLOUD	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
TEENAGE	VEG. ING	2.97E+01	4.95E+02	6.75E+01	6.75E+01	6.39E+01	0.00E+00
TEENAGE	MEAT ING	3.26E+00	5.34E+01	8.45E+00	8.45E+00	7.47E+00	0.00E+00
TEENAGE	MILK ING	6.44E+00	1.36E+02	8.37E+00	8.37E+00	1.15E+01	0.00E+00
TEENAGE	TOTALS	1.71E+02	1.42E+03	6.48E+02	1.29E+02	1.21E+02	2.83E+02
ADULT	INHAL.	1.00E+02	6.77E+02	4.51E+02	2.27E+01	1.62E+01	2.66E+02
ADULT	GROUND	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01	1.67E+01
ADULT	CLOUD	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01	1.56E-01
ADULT	VEG. ING	1.68E+01	2.06E+02	4.40E+01	4.40E+01	4.02E+01	0.00E+00
ADULT	MEAT ING	2.37E+00	2.92E+01	6.98E+00	6.98E+00	6.00E+00	0.00E+00
ADULT	MILK ING	1.23E+00	1.85E+01	2.07E+00	2.07E+00	2.63E+00	0.00E+00
ADULT	TOTALS	1.38E+02	9.47E+02	5.21E+02	9.26E+01	8.19E+01	2.83E+02

NUMBER 7 NAME=Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.71E+01	1.98E+02	4.15E+02	4.02E+01	3.16E+01	0.00E+00
INFANT	GROUND	9.05E-02	9.05E-02	9.05E-02	9.05E-02	9.05E-02	9.05E-02
INFANT	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.77E+00	2.95E+01	1.47E+01	1.47E+01	1.77E+01	0.00E+00
INFANT	TOTALS	7.60E+01	2.28E+02	4.29E+02	5.51E+01	4.93E+01	9.05E-02
CHILD	INHAL.	3.14E+01	1.67E+02	1.89E+02	1.62E+01	1.08E+01	0.00E+00
CHILD	GROUND	9.05E-02	9.05E-02	9.05E-02	9.05E-02	9.05E-02	9.05E-02
CHILD	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
CHILD	VEG. ING	4.53E+00	2.28E+01	1.94E+01	1.94E+01	1.50E+01	0.00E+00
CHILD	MEAT ING	5.21E-01	2.60E+00	2.48E+00	2.48E+00	1.86E+00	0.00E+00
CHILD	MILK ING	1.07E+00	7.14E+00	3.33E+00	3.33E+00	3.04E+00	0.00E+00
CHILD	TOTALS	3.77E+01	2.00E+02	2.14E+02	4.16E+01	3.08E+01	9.05E-02
TEENAGE	INHAL.	2.01E+01	1.86E+02	9.71E+01	7.07E+00	5.39E+00	0.00E+00
TEENAGE	GROUND	9.05E-02	9.05E-02	9.05E-02	9.05E-02	9.05E-02	9.05E-02
TEENAGE	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
TEENAGE	VEG. ING	7.40E+00	1.22E+02	1.73E+01	1.73E+01	1.53E+01	0.00E+00
TEENAGE	MEAT ING	8.22E-01	1.34E+01	2.17E+00	2.17E+00	1.85E+00	0.00E+00
TEENAGE	MILK ING	1.52E+00	3.19E+01	2.14E+00	2.14E+00	2.32E+00	0.00E+00
TEENAGE	TOTALS	3.00E+01	3.53E+02	1.19E+02	2.88E+01	2.50E+01	9.05E-02
ADULT	INHAL.	1.74E+01	1.74E+02	7.97E+01	5.84E+00	4.11E+00	0.00E+00
ADULT	GROUND	9.05E-02	9.05E-02	9.05E-02	9.05E-02	9.05E-02	9.05E-02
ADULT	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
ADULT	VEG. ING	4.20E+00	5.13E+01	1.13E+01	1.13E+01	9.70E+00	0.00E+00
ADULT	MEAT ING	6.00E-01	7.37E+00	1.79E+00	1.79E+00	1.49E+00	0.00E+00
ADULT	MILK ING	2.93E-01	4.43E+00	5.31E-01	5.31E-01	5.41E-01	0.00E+00
ADULT	TOTALS	2.25E+01	2.37E+02	9.35E+01	1.96E+01	1.59E+01	9.05E-02

NUMBER 7 NAME=Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.77E+01	1.98E+02	4.15E+02	4.03E+01	3.16E+01	1.76E+02
INFANT	GROUND	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00
INFANT	CLOUD	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.77E+00	2.95E+01	1.47E+01	1.47E+01	1.77E+01	0.00E+00
INFANT	TOTALS	9.05E+01	2.32E+02	4.33E+02	5.91E+01	5.33E+01	1.80E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.20E+01	1.67E+02	1.89E+02	1.62E+01	1.08E+01	1.76E+02
CHILD	GROUND	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00
CHILD	CLOUD	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01
CHILD	VEG. ING	4.53E+00	2.28E+01	1.94E+01	1.94E+01	1.50E+01	0.00E+00
CHILD	MEAT ING	5.21E-01	2.60E+00	2.48E+00	2.48E+00	1.86E+00	0.00E+00
CHILD	MILK ING	1.07E+00	7.14E+00	3.34E+00	3.34E+00	3.04E+00	0.00E+00
CHILD	TOTALS	5.22E+01	2.04E+02	2.18E+02	4.56E+01	3.48E+01	1.80E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.07E+01	1.86E+02	9.71E+01	7.08E+00	5.39E+00	1.76E+02
TEENAGE	GROUND	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00
TEENAGE	CLOUD	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01
TEENAGE	VEG. ING	7.40E+00	1.22E+02	1.73E+01	1.73E+01	1.53E+01	0.00E+00
TEENAGE	MEAT ING	8.22E-01	1.34E+01	2.17E+00	2.17E+00	1.85E+00	0.00E+00
TEENAGE	MILK ING	1.52E+00	3.19E+01	2.14E+00	2.14E+00	2.32E+00	0.00E+00
TEENAGE	TOTALS	4.45E+01	3.57E+02	1.23E+02	3.28E+01	2.89E+01	1.80E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.79E+01	1.74E+02	7.97E+01	5.84E+00	4.11E+00	1.76E+02
ADULT	GROUND	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00
ADULT	CLOUD	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01
ADULT	VEG. ING	4.20E+00	5.13E+01	1.13E+01	1.13E+01	9.70E+00	0.00E+00
ADULT	MEAT ING	6.00E-01	7.37E+00	1.79E+00	1.79E+00	1.49E+00	0.00E+00
ADULT	MILK ING	2.93E-01	4.43E+00	5.31E-01	5.31E-01	5.41E-01	0.00E+00
ADULT	TOTALS	3.71E+01	2.41E+02	9.74E+01	2.35E+01	1.99E+01	1.80E+02

TIME STEP NUMBER 4, NODE -

NUMBER 8 NAME-Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION. MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.92E+01	2.40E+02	6.50E+02	4.87E+01	3.85E+01	0.00E+00
INFANT	GROUND	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01
INFANT	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.26E+01	4.14E+01	1.79E+01	1.79E+01	2.74E+01	0.00E+00
INFANT	TOTALS	1.12E+02	2.82E+02	6.68E+02	6.68E+01	6.60E+01	1.42E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.67E+01	2.03E+02	3.00E+02	1.96E+01	1.32E+01	0.00E+00
CHILD	GROUND	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01
CHILD	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
CHILD	VEG. ING	5.65E+00	2.84E+01	2.36E+01	2.36E+01	1.91E+01	0.00E+00
CHILD	MEAT ING	6.42E-01	3.20E+00	3.01E+00	3.01E+00	2.31E+00	0.00E+00
CHILD	MILK ING	1.43E+00	9.25E+00	4.06E+00	4.06E+00	4.40E+00	0.00E+00
CHILD	TOTALS	5.45E+01	2.44E+02	3.31E+02	5.05E+01	3.91E+01	1.42E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.89E+01	2.25E+02	1.55E+02	8.57E+00	6.60E+00	0.00E+00
TEENAGE	GROUND	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01
TEENAGE	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
TEENAGE	VEG. ING	9.19E+00	1.52E+02	2.10E+01	2.10E+01	1.95E+01	0.00E+00
TEENAGE	MEAT ING	1.01E+00	1.65E+01	2.63E+00	2.63E+00	2.30E+00	0.00E+00
TEENAGE	MILK ING	1.96E+00	4.13E+01	2.61E+00	2.61E+00	3.36E+00	0.00E+00
TEENAGE	TOTALS	4.12E+01	4.35E+02	1.81E+02	3.50E+01	3.19E+01	1.42E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.48E+01	2.11E+02	1.28E+02	7.07E+00	5.04E+00	0.00E+00
ADULT	GROUND	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01
ADULT	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
ADULT	VEG. ING	5.19E+00	6.36E+01	1.37E+01	1.37E+01	1.23E+01	0.00E+00
ADULT	MEAT ING	7.36E-01	9.05E+00	2.17E+00	2.17E+00	1.85E+00	0.00E+00
ADULT	MILK ING	3.76E-01	5.66E+00	6.46E-01	6.46E-01	7.72E-01	0.00E+00
ADULT	TOTALS	3.12E+01	2.90E+02	1.44E+02	2.38E+01	2.01E+01	1.42E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 196  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 4, NODE - DURATION IN YRS IS... 3.0  
 NUMBER 6 NAME=Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.07E+02	2.40E+02	6.50E+02	4.87E+01	3.85E+01	1.24E+02
INFANT	GROUND	5.08E+00	5.08E+00	5.08E+00	5.08E+00	5.08E+00	5.08E+00
INFANT	CLOUD	1.68E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.26E+01	4.14E+01	1.79E+01	1.79E+01	2.74E+01	0.00E+00
INFANT	TOTALS	1.25E+02	2.87E+02	6.73E+02	7.19E+01	7.12E+01	1.29E+02
CHILD	INHAL.	5.41E+01	2.03E+02	3.00E+02	1.97E+01	1.32E+01	1.24E+02
CHILD	GROUND	5.08E+00	5.08E+00	5.08E+00	5.08E+00	5.08E+00	5.08E+00
CHILD	CLOUD	1.68E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01
CHILD	VEG. ING	5.65E+00	2.84E+01	2.36E+01	2.36E+01	1.91E+01	0.00E+00
CHILD	MEAT ING	6.42E-01	3.20E+00	3.01E+00	3.01E+00	2.31E+00	0.00E+00
CHILD	MILK ING	1.43E+00	9.25E+00	4.06E+00	4.06E+00	4.40E+00	0.00E+00
CHILD	TOTALS	6.71E+01	2.49E+02	3.36E+02	5.56E+01	4.42E+01	1.29E+02
TEENAGE	INHAL.	3.63E+01	2.25E+02	1.55E+02	8.57E+00	6.60E+00	1.24E+02
TEENAGE	GROUND	5.08E+00	5.08E+00	5.08E+00	5.08E+00	5.08E+00	5.08E+00
TEENAGE	CLOUD	1.68E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01
TEENAGE	VEG. ING	9.19E+00	1.52E+02	2.11E+01	2.11E+01	1.95E+01	0.00E+00
TEENAGE	MEAT ING	1.01E+00	1.65E+01	2.63E+00	2.63E+00	2.30E+00	0.00E+00
TEENAGE	MILK ING	1.96E+00	4.13E+01	2.61E+00	2.61E+00	3.36E+00	0.00E+00
TEENAGE	TOTALS	5.37E+01	4.40E+02	1.87E+02	4.01E+01	3.70E+01	1.29E+02
ADULT	INHAL.	3.22E+01	2.11E+02	1.28E+02	7.08E+00	5.04E+00	1.24E+02
ADULT	GROUND	5.08E+00	5.08E+00	5.08E+00	5.08E+00	5.08E+00	5.08E+00
ADULT	CLOUD	1.68E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01
ADULT	VEG. ING	5.19E+00	6.36E+01	1.37E+01	1.37E+01	1.23E+01	0.00E+00
ADULT	MEAT ING	7.36E-01	9.05E+00	2.17E+00	2.17E+00	1.85E+00	0.00E+00
ADULT	MILK ING	3.76E-01	5.66E+00	6.46E-01	6.46E-01	7.72E-01	0.00E+00
ADULT	TOTALS	4.37E+01	2.95E+02	1.50E+02	2.89E+01	2.52E+01	1.29E+02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

PAGE 197  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 9 NAME-Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.89E+02	6.19E+02	1.95E+03	1.25E+02	9.97E+01	0.00E+00
INFANT	GROUND	4.27E-01	4.27E-01	4.27E-01	4.27E-01	4.27E-01	4.27E-01
INFANT	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.61E+01	1.17E+02	4.63E+01	4.63E+01	8.17E+01	0.00E+00
INFANT	TOTALS	3.25E+02	7.36E+02	2.00E+03	1.72E+02	1.82E+02	4.27E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.36E+02	5.22E+02	9.06E+02	5.06E+01	3.42E+01	0.00E+00
CHILD	GROUND	4.27E-01	4.27E-01	4.27E-01	4.27E-01	4.27E-01	4.27E-01
CHILD	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
CHILD	VEG. ING	1.49E+01	7.47E+01	6.09E+01	6.09E+01	5.10E+01	0.00E+00
CHILD	MEAT ING	1.67E+00	8.33E+00	7.77E+00	7.77E+00	6.07E+00	0.00E+00
CHILD	MILK ING	3.91E+00	2.49E+01	1.05E+01	1.05E+01	1.27E+01	0.00E+00
CHILD	TOTALS	1.57E+02	6.30E+02	9.85E+02	1.30E+02	1.04E+02	4.27E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.27E+01	5.80E+02	4.68E+02	2.21E+01	1.71E+01	0.00E+00
TEENAGE	GROUND	4.27E-01	4.27E-01	4.27E-01	4.27E-01	4.27E-01	4.27E-01
TEENAGE	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
TEENAGE	VEG. ING	2.41E+01	4.01E+02	5.43E+01	5.43E+01	5.21E+01	0.00E+00
TEENAGE	MEAT ING	2.63E+00	4.31E+01	6.80E+00	6.80E+00	6.05E+00	0.00E+00
TEENAGE	MILK ING	5.27E+00	1.11E+02	6.73E+00	6.73E+00	9.68E+00	0.00E+00
TEENAGE	TOTALS	1.15E+02	1.14E+03	5.37E+02	9.03E+01	8.54E+01	4.27E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.07E+01	5.44E+02	3.87E+02	1.82E+01	1.31E+01	0.00E+00
ADULT	GROUND	4.27E-01	4.27E-01	4.27E-01	4.27E-01	4.27E-01	4.27E-01
ADULT	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
ADULT	VEG. ING	1.36E+01	1.66E+02	3.54E+01	3.54E+01	3.27E+01	0.00E+00
ADULT	MEAT ING	1.91E+00	2.35E+01	5.61E+00	5.61E+00	4.86E+00	0.00E+00
ADULT	MILK ING	1.00E+00	1.51E+01	1.67E+00	1.67E+00	2.20E+00	0.00E+00
ADULT	TOTALS	8.76E+01	7.49E+02	4.30E+02	6.13E+01	5.33E+01	4.27E-01



REGION: Sweetwater Uranium Facility CODE: MILDOS-AREA (03/89) PAGE 198  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 4, NODE = DURATION IN YRS IS... 3.0  
 NUMBER 9 NAME=Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.99E+02	6.19E+02	1.95E+03	1.25E+02	9.97E+01	1.65E+02
INFANT	GROUND	1.37E+01	1.37E+01	1.37E+01	1.37E+01	1.37E+01	1.37E+01
INFANT	CLOUD	2.31E-01	2.31E-01	2.31E-01	2.31E-01	2.31E-01	2.31E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.61E+01	1.17E+02	4.63E+01	4.63E+01	8.17E+01	0.00E+00
INFANT	TOTALS	3.49E+02	7.50E+02	2.01E+03	1.86E+02	1.95E+02	1.79E+02
CHILD	INHAL.	1.46E+02	5.22E+02	9.06E+02	5.06E+01	3.42E+01	1.65E+02
CHILD	GROUND	1.37E+01	1.37E+01	1.37E+01	1.37E+01	1.37E+01	1.37E+01
CHILD	CLOUD	2.31E-01	2.31E-01	2.31E-01	2.31E-01	2.31E-01	2.31E-01
CHILD	VEG. ING	1.49E+01	7.47E+01	6.09E+01	6.09E+01	5.10E+01	0.00E+00
CHILD	MEAT ING	1.67E+00	8.33E+00	7.77E+00	7.77E+00	6.07E+00	0.00E+00
CHILD	MILK ING	3.91E+00	2.49E+01	1.05E+01	1.05E+01	1.27E+01	0.00E+00
CHILD	TOTALS	1.80E+02	6.44E+02	9.99E+02	1.44E+02	1.18E+02	1.79E+02
TEENAGE	INHAL.	9.26E+01	5.80E+02	4.68E+02	2.21E+01	1.71E+01	1.65E+02
TEENAGE	GROUND	1.37E+01	1.37E+01	1.37E+01	1.37E+01	1.37E+01	1.37E+01
TEENAGE	CLOUD	2.31E-01	2.31E-01	2.31E-01	2.31E-01	2.31E-01	2.31E-01
TEENAGE	VEG. ING	2.41E+01	4.02E+02	5.43E+01	5.43E+01	5.21E+01	0.00E+00
TEENAGE	MEAT ING	2.63E+00	4.31E+01	6.80E+00	6.80E+00	6.05E+00	0.00E+00
TEENAGE	MILK ING	5.27E+00	1.11E+02	6.73E+00	6.73E+00	9.68E+00	0.00E+00
TEENAGE	TOTALS	1.38E+02	1.15E+03	5.50E+02	1.04E+02	9.89E+01	1.79E+02
ADULT	INHAL.	8.06E+01	5.44E+02	3.87E+02	1.82E+01	1.31E+01	1.65E+02
ADULT	GROUND	1.37E+01	1.37E+01	1.37E+01	1.37E+01	1.37E+01	1.37E+01
ADULT	CLOUD	2.31E-01	2.31E-01	2.31E-01	2.31E-01	2.31E-01	2.31E-01
ADULT	VEG. ING	1.36E+01	1.66E+02	3.54E+01	3.54E+01	3.27E+01	0.00E+00
ADULT	MEAT ING	1.91E+00	2.35E+01	5.61E+00	5.61E+00	4.86E+00	0.00E+00
ADULT	MILK ING	1.00E+00	1.51E+01	1.67E+00	1.67E+00	2.20E+00	0.00E+00
ADULT	TOTALS	1.11E+02	7.63E+02	4.43E+02	7.48E+01	6.68E+01	1.79E+02

NUMBER 10 NAME=Ballroil X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.78E-01	4.78E-01	1.13E+00	9.70E-02	7.64E-02	0.00E+00
INFANT	GROUND	2.48E-04	2.48E-04	2.48E-04	2.48E-04	2.48E-04	2.48E-04
INFANT	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.29E-02	7.62E-02	3.56E-02	3.56E-02	4.80E-02	0.00E+00
INFANT	TOTALS	2.01E-01	5.54E-01	1.17E+00	1.33E-01	1.25E-01	2.48E-04
CHILD	INHAL.	8.36E-02	4.03E-01	5.19E-01	3.91E-02	2.61E-02	0.00E+00
CHILD	GROUND	2.48E-04	2.48E-04	2.48E-04	2.48E-04	2.48E-04	2.48E-04
CHILD	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
CHILD	VEG. ING	1.11E-02	5.57E-02	4.69E-02	4.69E-02	3.70E-02	0.00E+00
CHILD	MEAT ING	1.27E-03	6.31E-03	5.98E-03	5.98E-03	4.54E-03	0.00E+00
CHILD	MILK ING	2.70E-03	1.78E-02	8.06E-03	8.06E-03	7.98E-03	0.00E+00
CHILD	TOTALS	9.89E-02	4.83E-01	5.81E-01	1.00E-01	7.59E-02	2.48E-04
TEENAGE	INHAL.	5.26E-02	4.48E-01	2.68E-01	1.71E-02	1.31E-02	0.00E+00
TEENAGE	GROUND	2.48E-04	2.48E-04	2.48E-04	2.48E-04	2.48E-04	2.48E-04
TEENAGE	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
TEENAGE	VEG. ING	1.80E-02	2.98E-01	4.18E-02	4.18E-02	3.78E-02	0.00E+00
TEENAGE	MEAT ING	1.99E-03	3.26E-02	5.23E-03	5.23E-03	4.52E-03	0.00E+00
TEENAGE	MILK ING	3.77E-03	7.94E-02	5.18E-03	5.18E-03	6.09E-03	0.00E+00
TEENAGE	TOTALS	7.67E-02	8.58E-01	3.20E-01	6.96E-02	6.17E-02	2.48E-04
ADULT	INHAL.	4.52E-02	4.20E-01	2.20E-01	1.41E-02	9.97E-03	0.00E+00
ADULT	GROUND	2.48E-04	2.48E-04	2.48E-04	2.48E-04	2.48E-04	2.48E-04
ADULT	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
ADULT	VEG. ING	1.02E-02	1.25E-01	2.73E-02	2.73E-02	2.39E-02	0.00E+00
ADULT	MEAT ING	1.46E-03	1.79E-02	4.32E-03	4.32E-03	3.64E-03	0.00E+00
ADULT	MILK ING	7.26E-04	1.09E-02	1.28E-03	1.28E-03	1.41E-03	0.00E+00
ADULT	TOTALS	5.79E-02	5.74E-01	2.54E-01	4.72E-02	3.92E-02	2.48E-04

NUMBER 10 NAME=Bailroil

X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.22E-01	5.07E-01	1.14E+00	2.49E-01	1.35E-01	2.25E+00
INFANT	GROUND	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02
INFANT	CLOUD	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.82E-02	8.66E-02	5.49E-02	5.49E-02	6.50E-02	0.00E+00
INFANT	TOTALS	3.79E-01	6.23E-01	1.22E+00	3.32E-01	2.29E-01	2.28E+00
CHILD	INHAL.	2.23E-01	4.25E-01	5.21E-01	1.07E-01	5.38E-02	2.25E+00
CHILD	GROUND	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02
CHILD	CLOUD	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
CHILD	VEG. ING	1.62E-02	7.90E-02	7.44E-02	7.44E-02	5.72E-02	0.00E+00
CHILD	MEAT ING	1.93E-03	9.31E-03	9.51E-03	9.51E-03	7.14E-03	0.00E+00
CHILD	MILK ING	3.55E-03	2.16E-02	1.26E-02	1.26E-02	1.13E-02	0.00E+00
CHILD	TOTALS	2.74E-01	5.64E-01	6.46E-01	2.32E-01	1.58E-01	2.28E+00
TEENAGE	INHAL.	1.92E-01	5.02E-01	2.68E-01	4.59E-02	2.69E-02	2.25E+00
TEENAGE	GROUND	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02
TEENAGE	CLOUD	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
TEENAGE	VEG. ING	2.57E-02	4.11E-01	6.63E-02	6.63E-02	5.80E-02	0.00E+00
TEENAGE	MEAT ING	2.97E-03	4.68E-02	8.32E-03	8.32E-03	7.08E-03	0.00E+00
TEENAGE	MILK ING	4.68E-03	9.26E-02	8.04E-03	8.04E-03	8.47E-03	0.00E+00
TEENAGE	TOTALS	2.54E-01	1.08E+00	3.80E-01	1.57E-01	1.29E-01	2.28E+00
ADULT	INHAL.	1.84E-01	4.52E-01	2.21E-01	3.81E-02	2.15E-02	2.25E+00
ADULT	GROUND	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02
ADULT	CLOUD	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
ADULT	VEG. ING	1.49E-02	1.79E-01	4.32E-02	4.32E-02	3.69E-02	0.00E+00
ADULT	MEAT ING	2.20E-03	2.65E-02	6.87E-03	6.87E-03	5.72E-03	0.00E+00
ADULT	MILK ING	9.34E-04	1.34E-02	2.00E-03	2.00E-03	1.99E-03	0.00E+00
ADULT	TOTALS	2.31E-01	7.00E-01	3.02E-01	1.19E-01	9.50E-02	2.28E+00

NUMBER 11 NAME=Jeffrey City X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.63E-01	4.32E-01	1.04E+00	8.76E-02	6.90E-02	0.00E+00
INFANT	GROUND	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04
INFANT	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.10E-02	6.96E-02	3.22E-02	3.22E-02	4.42E-02	0.00E+00
INFANT	TOTALS	1.84E-01	5.01E-01	1.08E+00	1.20E-01	1.13E-01	2.28E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.67E-02	3.64E-01	4.79E-01	3.53E-02	2.36E-02	0.00E+00
CHILD	GROUND	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04
CHILD	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
CHILD	VEG. ING	1.00E-02	5.04E-02	4.24E-02	4.24E-02	3.36E-02	0.00E+00
CHILD	MEAT ING	1.14E-03	5.70E-03	5.40E-03	5.40E-03	4.11E-03	0.00E+00
CHILD	MILK ING	2.46E-03	1.61E-02	7.28E-03	7.28E-03	7.30E-03	0.00E+00
CHILD	TOTALS	9.05E-02	4.37E-01	5.34E-01	9.06E-02	6.88E-02	2.28E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.81E-02	4.04E-01	2.47E-01	1.54E-02	1.18E-02	0.00E+00
TEENAGE	GROUND	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04
TEENAGE	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
TEENAGE	VEG. ING	1.63E-02	2.70E-01	3.78E-02	3.78E-02	3.43E-02	0.00E+00
TEENAGE	MEAT ING	1.80E-03	2.94E-02	4.72E-03	4.72E-03	4.09E-03	0.00E+00
TEENAGE	MILK ING	3.42E-03	7.20E-02	4.67E-03	4.67E-03	5.58E-03	0.00E+00
TEENAGE	TOTALS	6.99E-02	7.76E-01	2.94E-01	6.28E-02	5.60E-02	2.28E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.14E-02	3.80E-01	2.03E-01	1.27E-02	9.01E-03	0.00E+00
ADULT	GROUND	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04	2.28E-04
ADULT	CLOUD	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09	2.58E-09
ADULT	VEG. ING	9.25E-03	1.13E-01	2.46E-02	2.46E-02	2.16E-02	0.00E+00
ADULT	MEAT ING	1.32E-03	1.62E-02	3.90E-03	3.90E-03	3.30E-03	0.00E+00
ADULT	MILK ING	6.58E-04	9.92E-03	1.16E-03	1.16E-03	1.29E-03	0.00E+00
ADULT	TOTALS	5.28E-02	5.19E-01	2.33E-01	4.26E-02	3.55E-02	2.28E-04

NUMBER 11 NAME=Jeffrey City X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION. MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.17E-01	4.47E-01	1.05E+00	1.70E-01	1.01E-01	8.07E-01
INFANT	GROUND	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03
INFANT	CLOUD	6.97E-03	6.97E-03	6.97E-03	6.97E-03	6.97E-03	6.97E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.38E-02	7.53E-02	4.26E-02	4.26E-02	5.34E-02	0.00E+00
INFANT	TOTALS	2.57E-01	5.39E-01	1.10E+00	2.28E-01	1.70E-01	8.23E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.28E-01	3.76E-01	4.80E-01	7.19E-02	3.87E-02	8.07E-01
CHILD	GROUND	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03
CHILD	CLOUD	6.97E-03	6.97E-03	6.97E-03	6.97E-03	6.97E-03	6.97E-03
CHILD	VEG. ING	1.28E-02	6.31E-02	5.73E-02	5.73E-02	4.45E-02	0.00E+00
CHILD	MEAT ING	1.50E-03	7.33E-03	7.32E-03	7.32E-03	5.52E-03	0.00E+00
CHILD	MILK ING	2.91E-03	1.82E-02	9.72E-03	9.72E-03	9.10E-03	0.00E+00
CHILD	TOTALS	1.61E-01	4.81E-01	5.70E-01	1.62E-01	1.14E-01	8.23E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	9.91E-02	4.34E-01	2.47E-01	3.11E-02	1.94E-02	8.07E-01
TEENAGE	GROUND	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03
TEENAGE	CLOUD	6.97E-03	6.97E-03	6.97E-03	6.97E-03	6.97E-03	6.97E-03
TEENAGE	VEG. ING	2.05E-02	3.31E-01	5.10E-02	5.10E-02	4.52E-02	0.00E+00
TEENAGE	MEAT ING	2.33E-03	3.72E-02	6.40E-03	6.40E-03	5.48E-03	0.00E+00
TEENAGE	MILK ING	3.91E-03	7.92E-02	6.23E-03	6.23E-03	6.87E-03	0.00E+00
TEENAGE	TOTALS	1.42E-01	8.97E-01	3.27E-01	1.11E-01	9.28E-02	8.23E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	9.19E-02	3.97E-01	2.04E-01	2.58E-02	1.53E-02	8.07E-01
ADULT	GROUND	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03
ADULT	CLOUD	6.97E-03	6.97E-03	6.97E-03	6.97E-03	6.97E-03	6.97E-03
ADULT	VEG. ING	1.18E-02	1.42E-01	3.33E-02	3.33E-02	2.87E-02	0.00E+00
ADULT	MEAT ING	1.72E-03	2.08E-02	5.29E-03	5.29E-03	4.42E-03	0.00E+00
ADULT	MILK ING	7.71E-04	1.12E-02	1.55E-03	1.55E-03	1.61E-03	0.00E+00
ADULT	TOTALS	1.22E-01	5.87E-01	2.60E-01	8.18E-02	6.59E-02	8.23E-01

NUMBER 12 NAME=Rawlins X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.36E-02	8.90E-02	2.14E-01	1.81E-02	1.42E-02	0.00E+00
INFANT	GROUND	4.68E-05	4.68E-05	4.68E-05	4.68E-05	4.68E-05	4.68E-05
INFANT	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.31E-03	1.43E-02	6.63E-03	6.63E-03	9.07E-03	0.00E+00
INFANT	TOTALS	3.79E-02	1.03E-01	2.21E-01	2.47E-02	2.33E-02	4.68E-05
CHILD	INHAL.	1.58E-02	7.51E-02	9.83E-02	7.29E-03	4.86E-03	0.00E+00
CHILD	GROUND	4.68E-05	4.68E-05	4.68E-05	4.68E-05	4.68E-05	4.68E-05
CHILD	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
CHILD	VEG. ING	2.07E-03	1.04E-02	8.75E-03	8.75E-03	6.92E-03	0.00E+00
CHILD	MEAT ING	2.36E-04	1.18E-03	1.11E-03	1.11E-03	8.47E-04	0.00E+00
CHILD	MILK ING	5.06E-04	3.32E-03	1.50E-03	1.50E-03	1.50E-03	0.00E+00
CHILD	TOTALS	1.86E-02	9.01E-02	1.10E-01	1.87E-02	1.42E-02	4.68E-05
TEENAGE	INHAL.	9.90E-03	8.34E-02	5.07E-02	3.18E-03	2.44E-03	0.00E+00
TEENAGE	GROUND	4.68E-05	4.68E-05	4.68E-05	4.68E-05	4.68E-05	4.68E-05
TEENAGE	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
TEENAGE	VEG. ING	3.37E-03	5.56E-02	7.80E-03	7.80E-03	7.06E-03	0.00E+00
TEENAGE	MEAT ING	3.72E-04	6.07E-03	9.74E-04	9.74E-04	8.43E-04	0.00E+00
TEENAGE	MILK ING	7.06E-04	1.48E-02	9.64E-04	9.64E-04	1.15E-03	0.00E+00
TEENAGE	TOTALS	1.44E-02	1.60E-01	6.05E-02	1.30E-02	1.15E-02	4.68E-05
ADULT	INHAL.	8.50E-03	7.83E-02	4.17E-02	2.62E-03	1.86E-03	0.00E+00
ADULT	GROUND	4.68E-05	4.68E-05	4.68E-05	4.68E-05	4.68E-05	4.68E-05
ADULT	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
ADULT	VEG. ING	1.91E-03	2.33E-02	5.08E-03	5.08E-03	4.46E-03	0.00E+00
ADULT	MEAT ING	2.71E-04	3.33E-03	8.05E-04	8.05E-04	6.80E-04	0.00E+00
ADULT	MILK ING	1.36E-04	2.04E-03	2.39E-04	2.39E-04	2.65E-04	0.00E+00
ADULT	TOTALS	1.09E-02	1.07E-01	4.79E-02	8.80E-03	7.31E-03	4.68E-05

REGION: Sweetwater Uranium Facility      CODE: MILDOS-AREA (03/89)      PAGE 204  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 4, NODE =      DURATION IN YRS IS... 3.0  
 NUMBER 12 NAME=Rawlins      X= 54.6KM, Y=-27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.75E-02	9.67E-02	2.15E-01	5.79E-02	2.98E-02	3.57E-01
INFANT	GROUND	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03
INFANT	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.69E-03	1.71E-02	1.17E-02	1.17E-02	1.35E-02	0.00E+00
INFANT	TOTALS	6.81E-02	1.19E-01	2.32E-01	7.46E-02	4.82E-02	3.62E-01
CHILD	INHAL.	3.84E-02	8.09E-02	9.87E-02	2.50E-02	1.22E-02	3.57E-01
CHILD	GROUND	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03
CHILD	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
CHILD	VEG. ING	3.42E-03	1.65E-02	1.60E-02	1.60E-02	1.22E-02	0.00E+00
CHILD	MEAT ING	4.10E-04	1.97E-03	2.04E-03	2.04E-03	1.53E-03	0.00E+00
CHILD	MILK ING	7.28E-04	4.33E-03	2.69E-03	2.69E-03	2.37E-03	0.00E+00
CHILD	TOTALS	4.80E-02	1.09E-01	1.24E-01	5.07E-02	3.32E-02	3.62E-01
TEENAGE	INHAL.	3.26E-02	9.78E-02	5.09E-02	1.08E-02	6.09E-03	3.57E-01
TEENAGE	GROUND	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03
TEENAGE	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
TEENAGE	VEG. ING	5.39E-03	8.53E-02	1.42E-02	1.42E-02	1.24E-02	0.00E+00
TEENAGE	MEAT ING	6.27E-04	9.83E-03	1.79E-03	1.79E-03	1.52E-03	0.00E+00
TEENAGE	MILK ING	9.43E-04	1.83E-02	1.72E-03	1.72E-03	1.77E-03	0.00E+00
TEENAGE	TOTALS	4.45E-02	2.16E-01	7.35E-02	3.35E-02	2.67E-02	3.62E-01
ADULT	INHAL.	3.10E-02	8.67E-02	4.19E-02	8.95E-03	4.90E-03	3.57E-01
ADULT	GROUND	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03
ADULT	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
ADULT	VEG. ING	3.13E-03	3.74E-02	9.28E-03	9.28E-03	7.88E-03	0.00E+00
ADULT	MEAT ING	4.67E-04	5.59E-03	1.48E-03	1.48E-03	1.23E-03	0.00E+00
ADULT	MILK ING	1.90E-04	2.68E-03	4.28E-04	4.28E-04	4.19E-04	0.00E+00
ADULT	TOTALS	3.97E-02	1.37E-01	5.80E-02	2.51E-02	1.94E-02	3.62E-01

NUMBER 13 NAME=Special Receptor #1 X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.43E+02	4.54E+02	8.61E+02	9.22E+01	7.22E+01	0.00E+00
INFANT	GROUND	1.88E-01	1.88E-01	1.88E-01	1.88E-01	1.88E-01	1.88E-01
INFANT	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.89E+01	6.42E+01	3.37E+01	3.37E+01	3.68E+01	0.00E+00
INFANT	TOTALS	1.62E+02	5.18E+02	8.95E+02	1.26E+02	1.09E+02	1.88E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.69E+01	3.83E+02	3.89E+02	3.72E+01	2.46E+01	0.00E+00
CHILD	GROUND	1.88E-01	1.88E-01	1.88E-01	1.88E-01	1.88E-01	1.88E-01
CHILD	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
CHILD	VEG. ING	1.03E+01	5.18E+01	4.45E+01	4.45E+01	3.38E+01	0.00E+00
CHILD	MEAT ING	1.19E+00	5.92E+00	5.67E+00	5.67E+00	4.22E+00	0.00E+00
CHILD	MILK ING	2.38E+00	1.60E+01	7.63E+00	7.63E+00	6.52E+00	0.00E+00
CHILD	TOTALS	8.09E+01	4.57E+02	4.47E+02	9.52E+01	6.93E+01	1.88E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.35E+01	4.25E+02	2.00E+02	1.62E+01	1.23E+01	0.00E+00
TEENAGE	GROUND	1.88E-01	1.88E-01	1.88E-01	1.88E-01	1.88E-01	1.88E-01
TEENAGE	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
TEENAGE	VEG. ING	1.68E+01	2.76E+02	3.97E+01	3.97E+01	3.45E+01	0.00E+00
TEENAGE	MEAT ING	1.87E+00	3.05E+01	4.96E+00	4.96E+00	4.20E+00	0.00E+00
TEENAGE	MILK ING	3.41E+00	7.15E+01	4.90E+00	4.90E+00	4.99E+00	0.00E+00
TEENAGE	TOTALS	6.58E+01	8.03E+02	2.50E+02	6.59E+01	5.62E+01	1.88E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.75E+01	3.99E+02	1.64E+02	1.34E+01	9.39E+00	0.00E+00
ADULT	GROUND	1.88E-01	1.88E-01	1.88E-01	1.88E-01	1.88E-01	1.88E-01
ADULT	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
ADULT	VEG. ING	9.57E+00	1.17E+02	2.59E+01	2.59E+01	2.19E+01	0.00E+00
ADULT	MEAT ING	1.37E+00	1.68E+01	4.09E+00	4.09E+00	3.40E+00	0.00E+00
ADULT	MILK ING	6.60E-01	9.97E+00	1.22E+00	1.22E+00	1.17E+00	0.00E+00
ADULT	TOTALS	4.93E+01	5.43E+02	1.95E+02	4.48E+01	3.60E+01	1.88E-01



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

PAGE 206  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 13 NAME=Special Receptor #1 X- 1.4KM, Y- 1.0KM, Z- 0.8M, DIST- 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.69E+02	4.54E+02	8.61E+02	9.22E+01	7.22E+01	4.30E+02
INFANT	GROUND	8.76E+00	8.76E+00	8.76E+00	8.76E+00	8.76E+00	8.76E+00
INFANT	CLOUD	1.39E-01	1.39E-01	1.39E-01	1.39E-01	1.39E-01	1.39E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.89E+01	6.42E+01	3.37E+01	3.37E+01	3.68E+01	0.00E+00
INFANT	TOTALS	1.97E+02	5.27E+02	9.04E+02	1.35E+02	1.18E+02	4.39E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.27E+01	3.83E+02	3.89E+02	3.72E+01	2.46E+01	4.30E+02
CHILD	GROUND	8.76E+00	8.76E+00	8.76E+00	8.76E+00	8.76E+00	8.76E+00
CHILD	CLOUD	1.39E-01	1.39E-01	1.39E-01	1.39E-01	1.39E-01	1.39E-01
CHILD	VEG. ING	1.03E+01	5.18E+01	4.45E+01	4.45E+01	3.38E+01	0.00E+00
CHILD	MEAT ING	1.19E+00	5.92E+00	5.67E+00	5.67E+00	4.22E+00	0.00E+00
CHILD	MILK ING	2.38E+00	1.60E+01	7.63E+00	7.63E+00	6.52E+00	0.00E+00
CHILD	TOTALS	1.15E+02	4.66E+02	4.56E+02	1.04E+02	7.81E+01	4.39E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	6.93E+01	4.25E+02	2.00E+02	1.62E+01	1.23E+01	4.30E+02
TEENAGE	GROUND	8.76E+00	8.76E+00	8.76E+00	8.76E+00	8.76E+00	8.76E+00
TEENAGE	CLOUD	1.39E-01	1.39E-01	1.39E-01	1.39E-01	1.39E-01	1.39E-01
TEENAGE	VEG. ING	1.68E+01	2.76E+02	3.97E+01	3.97E+01	3.45E+01	0.00E+00
TEENAGE	MEAT ING	1.87E+00	3.05E+01	4.96E+00	4.96E+00	4.20E+00	0.00E+00
TEENAGE	MILK ING	3.41E+00	7.15E+01	4.90E+00	4.90E+00	4.99E+00	0.00E+00
TEENAGE	TOTALS	1.00E+02	8.12E+02	2.58E+02	7.47E+01	6.49E+01	4.39E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.33E+01	3.99E+02	1.64E+02	1.34E+01	9.39E+00	4.30E+02
ADULT	GROUND	8.76E+00	8.76E+00	8.76E+00	8.76E+00	8.76E+00	8.76E+00
ADULT	CLOUD	1.39E-01	1.39E-01	1.39E-01	1.39E-01	1.39E-01	1.39E-01
ADULT	VEG. ING	9.57E+00	1.17E+02	2.59E+01	2.59E+01	2.19E+01	0.00E+00
ADULT	MEAT ING	1.37E+00	1.68E+01	4.09E+00	4.09E+00	3.40E+00	0.00E+00
ADULT	MILK ING	6.60E-01	9.97E+00	1.22E+00	1.22E+00	1.17E+00	0.00E+00
ADULT	TOTALS	8.38E+01	5.52E+02	2.04E+02	5.35E+01	4.47E+01	4.39E+02

NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.89E+01	1.14E+02	2.41E+02	2.32E+01	1.82E+01	0.00E+00
INFANT	GROUND	5.25E-02	5.25E-02	5.25E-02	5.25E-02	5.25E-02	5.25E-02
INFANT	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.07E+00	1.71E+01	8.48E+00	8.48E+00	1.02E+01	0.00E+00
INFANT	TOTALS	4.40E+01	1.31E+02	2.49E+02	3.17E+01	2.85E+01	5.25E-02
CHILD	INHAL.	1.82E+01	9.62E+01	1.09E+02	9.34E+00	6.20E+00	0.00E+00
CHILD	GROUND	5.25E-02	5.25E-02	5.25E-02	5.25E-02	5.25E-02	5.25E-02
CHILD	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
CHILD	VEG. ING	2.61E+00	1.31E+01	1.12E+01	1.12E+01	8.65E+00	0.00E+00
CHILD	MEAT ING	3.00E-01	1.50E+00	1.43E+00	1.43E+00	1.07E+00	0.00E+00
CHILD	MILK ING	6.20E-01	4.12E+00	1.92E+00	1.92E+00	1.76E+00	0.00E+00
CHILD	TOTALS	2.18E+01	1.15E+02	1.24E+02	2.39E+01	1.77E+01	5.25E-02
TEENAGE	INHAL.	1.17E+01	1.07E+02	5.64E+01	4.07E+00	3.11E+00	0.00E+00
TEENAGE	GROUND	5.25E-02	5.25E-02	5.25E-02	5.25E-02	5.25E-02	5.25E-02
TEENAGE	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
TEENAGE	VEG. ING	4.26E+00	7.01E+01	9.98E+00	9.98E+00	8.82E+00	0.00E+00
TEENAGE	MEAT ING	4.73E-01	7.71E+00	1.25E+00	1.25E+00	1.07E+00	0.00E+00
TEENAGE	MILK ING	8.77E-01	1.84E+01	1.23E+00	1.23E+00	1.34E+00	0.00E+00
TEENAGE	TOTALS	1.73E+01	2.03E+02	6.89E+01	1.66E+01	1.44E+01	5.25E-02
ADULT	INHAL.	1.00E+01	1.00E+02	4.63E+01	3.36E+00	2.37E+00	0.00E+00
ADULT	GROUND	5.25E-02	5.25E-02	5.25E-02	5.25E-02	5.25E-02	5.25E-02
ADULT	CLOUD	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07	5.84E-07
ADULT	VEG. ING	2.42E+00	2.95E+01	6.51E+00	6.51E+00	5.59E+00	0.00E+00
ADULT	MEAT ING	3.46E-01	4.25E+00	1.03E+00	1.03E+00	8.61E-01	0.00E+00
ADULT	MILK ING	1.69E-01	2.55E+00	3.06E-01	3.06E-01	3.13E-01	0.00E+00
ADULT	TOTALS	1.30E+01	1.37E+02	5.42E+01	1.13E+01	9.18E+00	5.25E-02

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.64E+01	1.14E+02	2.41E+02	2.32E+01	1.82E+01	1.26E+02
INFANT	GROUND	2.26E+00	2.26E+00	2.26E+00	2.26E+00	2.26E+00	2.26E+00
INFANT	CLOUD	2.44E-01	2.44E-01	2.44E-01	2.44E-01	2.44E-01	2.44E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.08E+00	1.71E+01	8.49E+00	8.49E+00	1.02E+01	0.00E+00
INFANT	TOTALS	5.40E+01	1.34E+02	2.52E+02	3.42E+01	3.09E+01	1.28E+02
CHILD	INHAL.	2.58E+01	9.62E+01	1.09E+02	9.37E+00	6.21E+00	1.26E+02
CHILD	GROUND	2.26E+00	2.26E+00	2.26E+00	2.26E+00	2.26E+00	2.26E+00
CHILD	CLOUD	2.44E-01	2.44E-01	2.44E-01	2.44E-01	2.44E-01	2.44E-01
CHILD	VEG. ING	2.61E+00	1.32E+01	1.12E+01	1.12E+01	8.65E+00	0.00E+00
CHILD	MEAT ING	3.00E-01	1.50E+00	1.43E+00	1.43E+00	1.07E+00	0.00E+00
CHILD	MILK ING	6.20E-01	4.12E+00	1.92E+00	1.92E+00	1.76E+00	0.00E+00
CHILD	TOTALS	3.18E+01	1.18E+02	1.27E+02	2.64E+01	2.02E+01	1.28E+02
TEENAGE	INHAL.	1.92E+01	1.07E+02	5.64E+01	4.08E+00	3.11E+00	1.26E+02
TEENAGE	GROUND	2.26E+00	2.26E+00	2.26E+00	2.26E+00	2.26E+00	2.26E+00
TEENAGE	CLOUD	2.44E-01	2.44E-01	2.44E-01	2.44E-01	2.44E-01	2.44E-01
TEENAGE	VEG. ING	4.27E+00	7.01E+01	9.99E+00	9.99E+00	8.83E+00	0.00E+00
TEENAGE	MEAT ING	4.74E-01	7.71E+00	1.25E+00	1.25E+00	1.07E+00	0.00E+00
TEENAGE	MILK ING	8.77E-01	1.84E+01	1.23E+00	1.23E+00	1.34E+00	0.00E+00
TEENAGE	TOTALS	2.73E+01	2.06E+02	7.13E+01	1.91E+01	1.69E+01	1.28E+02
ADULT	INHAL.	1.76E+01	1.00E+02	4.63E+01	3.37E+00	2.37E+00	1.26E+02
ADULT	GROUND	2.26E+00	2.26E+00	2.26E+00	2.26E+00	2.26E+00	2.26E+00
ADULT	CLOUD	2.44E-01	2.44E-01	2.44E-01	2.44E-01	2.44E-01	2.44E-01
ADULT	VEG. ING	2.42E+00	2.96E+01	6.51E+00	6.51E+00	5.59E+00	0.00E+00
ADULT	MEAT ING	3.46E-01	4.25E+00	1.03E+00	1.03E+00	8.61E-01	0.00E+00
ADULT	MILK ING	1.69E-01	2.55E+00	3.06E-01	3.06E-01	3.13E-01	0.00E+00
ADULT	TOTALS	2.30E+01	1.39E+02	5.67E+01	1.37E+01	1.16E+01	1.28E+02

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.307E-03	1.409E-02	1.409E-02	1.406E-02	1.691E+02	1.555E+02	6.452E+01	2.544E+01	1.751E-05	5.822E-04
2.5	2.511E-03	5.604E-03	5.604E-03	5.591E-03	8.074E+01	7.706E+01	4.207E+01	2.334E+01	2.863E-05	3.797E-04
3.5	1.328E-03	2.868E-03	2.868E-03	2.861E-03	4.776E+01	4.657E+01	2.998E+01	2.029E+01	3.934E-05	2.757E-04
4.5	8.116E-04	1.706E-03	1.706E-03	1.702E-03	3.207E+01	3.164E+01	2.251E+01	1.703E+01	4.719E-05	2.102E-04
7.5	2.902E-04	6.068E-04	6.068E-04	6.054E-04	1.547E+01	1.543E+01	1.269E+01	1.086E+01	6.183E-05	1.207E-04
15.0	7.079E-05	1.477E-04	1.477E-04	1.473E-04	5.680E+00	5.683E+00	5.266E+00	4.849E+00	6.592E-05	5.064E-05
25.0	2.583E-05	5.381E-05	5.381E-05	5.369E-05	2.737E+00	2.739E+00	2.667E+00	2.568E+00	6.202E-05	2.592E-05
35.0	1.374E-05	2.863E-05	2.863E-05	2.856E-05	1.711E+00	1.712E+00	1.696E+00	1.666E+00	5.877E-05	1.658E-05
45.0	8.566E-06	1.785E-05	1.785E-05	1.781E-05	1.201E+00	1.201E+00	1.199E+00	1.189E+00	5.577E-05	1.175E-05
55.0	5.861E-06	1.222E-05	1.222E-05	1.219E-05	9.021E-01	9.027E-01	9.039E-01	9.011E-01	5.314E-05	8.874E-06
65.0	4.265E-06	8.895E-06	8.895E-06	8.874E-06	7.090E-01	7.094E-01	7.116E-01	7.114E-01	5.082E-05	6.992E-06
75.0	3.244E-06	6.769E-06	6.769E-06	6.754E-06	5.752E-01	5.756E-01	5.779E-01	5.786E-01	4.876E-05	5.681E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.636E+04	3.383E+04	3.374E+04	3.374E+04	0.000E+00	3.386E+04	3.386E+04	3.386E+04	1.564E+01	
2.5	6.515E+03	1.345E+04	1.342E+04	1.342E+04	0.000E+00	1.348E+04	1.348E+04	1.348E+04	2.562E+01	
3.5	3.448E+03	6.904E+03	6.885E+03	6.885E+03	0.000E+00	6.921E+03	6.921E+03	6.921E+03	3.521E+01	
4.5	2.109E+03	4.115E+03	4.103E+03	4.103E+03	0.000E+00	4.128E+03	4.128E+03	4.128E+03	4.224E+01	
7.5	7.540E+02	1.465E+03	1.460E+03	1.460E+03	0.000E+00	1.473E+03	1.473E+03	1.473E+03	5.536E+01	
15.0	1.839E+02	3.565E+02	3.554E+02	3.554E+02	0.000E+00	3.599E+02	3.599E+02	3.599E+02	5.916E+01	
25.0	6.713E+01	1.299E+02	1.295E+02	1.295E+02	0.000E+00	1.317E+02	1.317E+02	1.317E+02	5.581E+01	
35.0	3.571E+01	6.911E+01	6.891E+01	6.891E+01	0.000E+00	7.027E+01	7.027E+01	7.027E+01	5.298E+01	
45.0	2.226E+01	4.309E+01	4.296E+01	4.296E+01	0.000E+00	4.392E+01	4.392E+01	4.392E+01	5.035E+01	
55.0	1.523E+01	2.949E+01	2.941E+01	2.941E+01	0.000E+00	3.012E+01	3.012E+01	3.012E+01	4.802E+01	
65.0	1.108E+01	2.147E+01	2.141E+01	2.141E+01	0.000E+00	2.197E+01	2.197E+01	2.197E+01	4.596E+01	
75.0	8.429E+00	1.634E+01	1.629E+01	1.629E+01	0.000E+00	1.675E+01	1.675E+01	1.675E+01	4.413E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.307E-05	1.409E-04	1.409E-04	1.407E-04
2.5	2.511E-05	5.604E-05	5.604E-05	5.599E-05
3.5	1.328E-05	2.868E-05	2.868E-05	2.873E-05
4.5	8.116E-06	1.706E-05	1.706E-05	1.716E-05
7.5	2.902E-06	6.068E-06	6.068E-06	6.239E-06
15.0	7.079E-07	1.477E-06	1.477E-06	1.671E-06
25.0	2.583E-07	5.381E-07	5.381E-07	7.229E-07
35.0	1.374E-07	2.863E-07	2.863E-07	4.619E-07
45.0	8.566E-08	1.785E-07	1.785E-07	3.454E-07
55.0	5.861E-08	1.222E-07	1.222E-07	2.813E-07
65.0	4.265E-08	8.895E-08	8.895E-08	2.412E-07
75.0	3.244E-08	6.769E-08	6.769E-08	2.138E-07

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.098E-03	2.699E-02	2.699E-02	2.692E-02	3.436E+02	2.441E+02	4.305E+01	7.460E+00	1.996E-06	4.975E-04
2.5	2.938E-03	1.013E-02	1.013E-02	1.010E-02	1.495E+02	1.310E+02	4.983E+01	1.993E+01	1.475E-05	4.619E-04
3.5	1.539E-03	4.356E-03	4.356E-03	4.346E-03	7.069E+01	6.629E+01	3.390E+01	1.934E+01	2.71E-05	3.123E-04
4.5	9.559E-04	2.502E-03	2.502E-03	2.496E-03	4.472E+01	4.320E+01	2.576E+01	1.735E+01	3.751E-05	2.398E-04
7.5	3.570E-04	8.392E-04	8.392E-04	8.372E-04	1.859E+01	1.846E+01	1.357E+01	1.082E+01	5.255E-05	1.282E-04
15.0	9.324E-05	2.049E-04	2.049E-04	2.044E-04	6.188E+00	6.190E+00	5.435E+00	4.771E+00	5.640E-05	5.173E-05
25.0	3.521E-05	7.559E-05	7.558E-05	7.541E-05	2.875E+00	2.877E+00	2.732E+00	2.557E+00	5.298E-05	2.635E-05
35.0	1.882E-05	4.003E-05	4.003E-05	3.994E-05	1.766E+00	1.767E+00	1.727E+00	1.667E+00	5.016E-05	1.680E-05
45.0	1.175E-05	2.495E-05	2.495E-05	2.489E-05	1.234E+00	1.235E+00	1.223E+00	1.200E+00	4.784E-05	1.195E-05
55.0	8.047E-06	1.711E-05	1.711E-05	1.707E-05	9.299E-01	9.304E-01	9.275E-01	9.178E-01	4.596E-05	9.084E-06
65.0	5.860E-06	1.248E-05	1.248E-05	1.245E-05	7.324E-01	7.329E-01	7.331E-01	7.292E-01	4.420E-05	7.192E-06
75.0	4.458E-06	9.508E-06	9.507E-06	9.485E-06	5.954E-01	5.958E-01	5.971E-01	5.959E-01	4.258E-05	5.864E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.809E+04	6.272E+04	6.255E+04	6.255E+04	0.000E+00	6.275E+04	6.275E+04	6.275E+04	1.818E+00
2.5	7.518E+03	2.365E+04	2.359E+04	2.359E+04	0.000E+00	2.369E+04	2.369E+04	2.369E+04	1.323E+01
3.5	3.966E+03	1.029E+04	1.026E+04	1.026E+04	0.000E+00	1.031E+04	1.031E+04	1.031E+04	2.428E+01
4.5	2.469E+03	5.938E+03	5.922E+03	5.922E+03	0.000E+00	5.956E+03	5.956E+03	5.956E+03	3.358E+01
7.5	9.249E+02	2.007E+03	2.001E+03	2.001E+03	0.000E+00	2.016E+03	2.016E+03	2.016E+03	4.705E+01
15.0	2.420E+02	4.926E+02	4.912E+02	4.912E+02	0.000E+00	4.961E+02	4.961E+02	4.961E+02	5.062E+01
25.0	9.142E+01	1.820E+02	1.815E+02	1.815E+02	0.000E+00	1.838E+02	1.838E+02	1.838E+02	4.769E+01
35.0	4.888E+01	9.649E+01	9.621E+01	9.621E+01	0.000E+00	9.761E+01	9.761E+01	9.761E+01	4.523E+01
45.0	3.052E+01	6.013E+01	5.996E+01	5.996E+01	0.000E+00	6.094E+01	6.094E+01	6.094E+01	4.320E+01
55.0	2.090E+01	4.124E+01	4.113E+01	4.113E+01	0.000E+00	4.186E+01	4.186E+01	4.186E+01	4.153E+01
65.0	1.522E+01	3.007E+01	2.999E+01	2.999E+01	0.000E+00	3.057E+01	3.057E+01	3.057E+01	3.997E+01
75.0	1.158E+01	2.291E+01	2.284E+01	2.284E+01	0.000E+00	2.332E+01	2.332E+01	2.332E+01	3.853E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.098E-05	2.699E-04	2.699E-04	2.692E-04
2.5	2.938E-05	1.013E-04	1.013E-04	1.011E-04
3.5	1.539E-05	4.356E-05	4.356E-05	4.354E-05
4.5	9.559E-06	2.502E-05	2.502E-05	2.507E-05
7.5	3.570E-06	8.392E-06	8.392E-06	8.530E-06
15.0	9.324E-07	2.049E-06	2.049E-06	2.213E-06
25.0	3.521E-07	7.559E-07	7.558E-07	9.131E-07
35.0	1.882E-07	4.003E-07	4.003E-07	5.499E-07
45.0	1.175E-07	2.495E-07	2.495E-07	3.924E-07
55.0	8.047E-08	1.711E-07	1.711E-07	3.086E-07
65.0	5.860E-08	1.248E-07	1.248E-07	2.571E-07
75.0	4.458E-08	9.508E-08	9.507E-08	2.226E-07

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.561E-03	8.025E-03	8.025E-03	8.006E-03	8.065E+01	5.313E+01	9.851E+00	2.037E+00	7.065E-07	1.123E-04
2.5	1.731E-03	5.126E-03	5.126E-03	5.114E-03	7.050E+01	5.989E+01	2.168E+01	8.929E+00	7.128E-06	2.049E-04
3.5	9.476E-04	2.486E-03	2.485E-03	2.480E-03	3.809E+01	3.536E+01	1.729E+01	9.862E+00	1.434E-05	1.609E-04
4.5	5.968E-04	1.483E-03	1.483E-03	1.480E-03	2.526E+01	2.431E+01	1.401E+01	9.379E+00	2.080E-05	1.311E-04
7.5	2.253E-04	5.185E-04	5.185E-04	5.173E-04	1.125E+01	1.118E+01	8.139E+00	6.456E+00	3.176E-05	7.686E-05
15.0	5.875E-05	1.286E-04	1.286E-04	1.283E-04	3.968E+00	3.969E+00	3.506E+00	3.086E+00	3.700E-05	3.338E-05
25.0	2.210E-05	4.749E-05	4.749E-05	4.738E-05	1.890E+00	1.892E+00	1.808E+00	1.700E+00	3.606E-05	1.745E-05
35.0	1.181E-05	2.516E-05	2.516E-05	2.510E-05	1.173E+00	1.174E+00	1.153E+00	1.118E+00	3.462E-05	1.123E-05
45.0	7.373E-06	1.563E-05	1.563E-05	1.559E-05	8.206E-01	8.211E-01	8.158E-01	8.033E-01	3.310E-05	7.978E-06
55.0	5.049E-06	1.071E-05	1.070E-05	1.068E-05	6.178E-01	6.182E-01	6.176E-01	6.130E-01	3.178E-05	6.054E-06
65.0	3.677E-06	7.811E-06	7.810E-06	7.792E-06	4.871E-01	4.874E-01	4.883E-01	4.868E-01	3.060E-05	4.793E-06
75.0	2.798E-06	5.953E-06	5.953E-06	5.939E-06	3.962E-01	3.965E-01	3.977E-01	3.976E-01	2.950E-05	3.908E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	9.237E+03	1.925E+04	1.920E+04	1.920E+04	0.000E+00	1.924E+04	1.924E+04	1.924E+04	6.535E-01	
2.5	4.453E+03	1.207E+04	1.204E+04	1.204E+04	0.000E+00	1.209E+04	1.209E+04	1.209E+04	6.402E+00	
3.5	2.448E+03	5.899E+03	5.882E+03	5.882E+03	0.000E+00	5.910E+03	5.910E+03	5.910E+03	1.285E+01	
4.5	1.544E+03	3.532E+03	3.523E+03	3.523E+03	0.000E+00	3.542E+03	3.542E+03	3.542E+03	1.861E+01	
7.5	5.840E+02	1.242E+03	1.239E+03	1.239E+03	0.000E+00	1.247E+03	1.247E+03	1.247E+03	2.842E+01	
15.0	1.525E+02	3.092E+02	3.084E+02	3.084E+02	0.000E+00	3.115E+02	3.115E+02	3.115E+02	3.319E+01	
25.0	5.738E+01	1.144E+02	1.140E+02	1.140E+02	0.000E+00	1.155E+02	1.155E+02	1.155E+02	3.244E+01	
35.0	3.068E+01	6.062E+01	6.045E+01	6.045E+01	0.000E+00	6.138E+01	6.138E+01	6.138E+01	3.120E+01	
45.0	1.915E+01	3.767E+01	3.757E+01	3.757E+01	0.000E+00	3.822E+01	3.822E+01	3.822E+01	2.987E+01	
55.0	1.311E+01	2.581E+01	2.573E+01	2.573E+01	0.000E+00	2.622E+01	2.622E+01	2.622E+01	2.871E+01	
65.0	9.550E+00	1.883E+01	1.877E+01	1.877E+01	0.000E+00	1.916E+01	1.916E+01	1.916E+01	2.766E+01	
75.0	7.266E+00	1.435E+01	1.431E+01	1.431E+01	0.000E+00	1.462E+01	1.462E+01	1.462E+01	2.668E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.561E-05	8.025E-05	8.025E-05	8.006E-05
2.5	1.731E-05	5.126E-05	5.126E-05	5.117E-05
3.5	9.476E-06	2.486E-05	2.485E-05	2.484E-05
4.5	5.968E-06	1.483E-05	1.483E-05	1.486E-05
7.5	2.253E-06	5.185E-06	5.185E-06	5.268E-06
15.0	5.875E-07	1.286E-06	1.286E-06	1.394E-06
25.0	2.210E-07	4.749E-07	4.749E-07	5.820E-07
35.0	1.181E-07	2.516E-07	2.516E-07	3.548E-07
45.0	7.373E-08	1.563E-07	1.563E-07	2.552E-07
55.0	5.049E-08	1.071E-07	1.070E-07	2.021E-07
65.0	3.677E-08	7.811E-08	7.810E-08	1.697E-07
75.0	2.798E-08	5.953E-08	5.953E-08	1.479E-07

TIME STEP NUMBER 5. 1,2,3,4.

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.215E-04	2.534E-03	2.533E-03	2.528E-03	4.419E+01	4.236E+01	2.211E+01	1.193E+01	1.446E-05	2.003E-04
2.5	3.134E-04	9.965E-04	9.965E-04	9.942E-04	2.017E+01	1.979E+01	1.265E+01	8.431E+00	1.619E-05	1.160E-04
3.5	1.649E-04	4.937E-04	4.937E-04	4.926E-04	1.153E+01	1.142E+01	8.254E+00	6.212E+00	1.708E-05	7.679E-05
4.5	9.904E-05	2.962E-04	2.962E-04	2.955E-04	7.973E+00	7.935E+00	6.175E+00	4.980E+00	1.818E-05	5.806E-05
7.5	3.178E-05	9.388E-05	9.388E-05	9.366E-05	3.568E+00	3.566E+00	3.117E+00	2.759E+00	1.856E-05	2.977E-05
15.0	6.040E-06	1.700E-05	1.700E-05	1.696E-05	1.142E+00	1.143E+00	1.097E+00	1.043E+00	1.601E-05	1.063E-05
25.0	1.835E-06	4.714E-06	4.714E-06	4.703E-06	4.971E-01	4.974E-01	4.929E-01	4.849E-01	1.351E-05	4.820E-06
35.0	8.781E-07	2.086E-06	2.086E-06	2.081E-06	2.916E-01	2.918E-01	2.917E-01	2.904E-01	1.203E-05	2.863E-06
45.0	5.081E-07	1.139E-06	1.138E-06	1.136E-06	1.964E-01	1.965E-01	1.970E-01	1.970E-01	1.099E-05	1.936E-06
55.0	3.278E-07	7.032E-07	7.032E-07	7.016E-07	1.432E-01	1.433E-01	1.439E-01	1.441E-01	1.020E-05	1.415E-06
65.0	2.273E-07	4.714E-07	4.714E-07	4.703E-07	1.100E-01	1.101E-01	1.106E-01	1.109E-01	9.567E-06	1.088E-06
75.0	1.660E-07	3.364E-07	3.364E-07	3.356E-07	8.787E-02	8.792E-02	8.835E-02	8.863E-02	9.062E-06	8.691E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.845E+03	5.911E+03	5.895E+03	5.895E+03	0.000E+00	5.929E+03	5.929E+03	5.929E+03	1.287E+01
2.5	8.044E+02	2.337E+03	2.331E+03	2.331E+03	0.000E+00	2.347E+03	2.347E+03	2.347E+03	1.443E+01
3.5	4.243E+02	1.162E+03	1.159E+03	1.159E+03	0.000E+00	1.168E+03	1.168E+03	1.168E+03	1.523E+01
4.5	2.548E+02	6.973E+02	6.954E+02	6.954E+02	0.000E+00	7.016E+02	7.016E+02	7.016E+02	1.622E+01
7.5	8.177E+01	2.211E+02	2.205E+02	2.205E+02	0.000E+00	2.234E+02	2.234E+02	2.234E+02	1.658E+01
15.0	1.557E+01	4.015E+01	4.004E+01	4.004E+01	0.000E+00	4.095E+01	4.095E+01	4.095E+01	1.434E+01
25.0	4.744E+00	1.120E+01	1.117E+01	1.117E+01	0.000E+00	1.157E+01	1.157E+01	1.157E+01	1.214E+01
35.0	2.274E+00	4.984E+00	4.970E+00	4.970E+00	0.000E+00	5.202E+00	5.202E+00	5.202E+00	1.083E+01
45.0	1.318E+00	2.733E+00	2.725E+00	2.725E+00	0.000E+00	2.881E+00	2.881E+00	2.881E+00	9.908E+00
55.0	8.513E-01	1.694E+00	1.689E+00	1.689E+00	0.000E+00	1.802E+00	1.802E+00	1.802E+00	9.206E+00
65.0	5.908E-01	1.139E+00	1.135E+00	1.135E+00	0.000E+00	1.222E+00	1.222E+00	1.222E+00	8.645E+00
75.0	4.317E-01	8.140E-01	8.117E-01	8.117E-01	0.000E+00	8.813E-01	8.813E-01	8.813E-01	8.195E+00

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.215E-06	2.534E-05	2.533E-05	2.532E-05
2.5	3.134E-06	9.965E-06	9.965E-06	9.990E-06
3.5	1.649E-06	4.937E-06	4.937E-06	4.977E-06
4.5	9.904E-07	2.962E-06	2.962E-06	3.010E-06
7.5	3.178E-07	9.388E-07	9.388E-07	9.923E-07
15.0	6.040E-08	1.700E-07	1.700E-07	2.176E-07
25.0	1.835E-08	4.714E-08	4.714E-08	8.757E-08
35.0	8.781E-09	2.086E-08	2.086E-08	5.691E-08
45.0	5.081E-09	1.139E-08	1.138E-08	4.433E-08
55.0	3.278E-09	7.032E-09	7.032E-09	3.761E-08
65.0	2.273E-09	4.714E-09	4.714E-09	3.340E-08
75.0	1.660E-09	3.364E-09	3.364E-09	3.054E-08

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.183E-03	4.784E-03	4.784E-03	4.773E-03	4.826E+01	4.658E+01	2.821E+01	1.718E+01	2.504E-05	2.551E-04
2.5	1.440E-03	2.297E-03	2.297E-03	2.292E-03	3.096E+01	3.049E+01	2.153E+01	1.562E+01	3.516E-05	1.988E-04
3.5	7.921E-04	1.313E-03	1.313E-03	1.309E-03	2.188E+01	2.172E+01	1.676E+01	1.339E+01	4.232E-05	1.573E-04
4.5	4.907E-04	8.353E-04	8.352E-04	8.333E-04	1.651E+01	1.645E+01	1.342E+01	1.132E+01	4.712E-05	1.272E-04
7.5	1.736E-04	3.112E-04	3.112E-04	3.105E-04	8.919E+00	8.918E+00	7.928E+00	7.151E+00	5.349E-05	7.605E-05
15.0	4.012E-05	7.677E-05	7.677E-05	7.659E-05	3.655E+00	3.657E+00	3.506E+00	3.328E+00	5.379E-05	3.395E-05
25.0	1.412E-05	2.801E-05	2.800E-05	2.794E-05	1.857E+00	1.858E+00	1.836E+00	1.798E+00	5.036E-05	1.793E-05
35.0	7.461E-06	1.498E-05	1.498E-05	1.494E-05	1.187E+00	1.187E+00	1.185E+00	1.176E+00	4.763E-05	1.162E-05
45.0	4.632E-06	9.358E-06	9.358E-06	9.337E-06	8.432E-01	8.437E-01	8.453E-01	8.435E-01	4.518E-05	8.301E-06
55.0	3.156E-06	6.434E-06	6.434E-06	6.419E-06	6.431E-01	6.435E-01	6.458E-01	6.462E-01	4.334E-05	6.347E-06
65.0	2.286E-06	4.693E-06	4.693E-06	4.682E-06	5.110E-01	5.113E-01	5.135E-01	5.146E-01	4.167E-05	5.050E-06
75.0	1.729E-06	3.568E-06	3.568E-06	3.559E-06	4.177E-01	4.180E-01	4.200E-01	4.212E-01	4.015E-05	4.131E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2						Pb-214	Bi-214	Pb-210
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218			
1.5	8.324E+03	1.192E+04	1.188E+04	1.188E+04	0.000E+00	1.192E+04	1.192E+04	1.192E+04	2.233E+01
2.5	3.762E+03	5.685E+03	5.669E+03	5.669E+03	0.000E+00	5.693E+03	5.693E+03	5.693E+03	3.141E+01
3.5	2.068E+03	3.236E+03	3.227E+03	3.227E+03	0.000E+00	3.244E+03	3.244E+03	3.244E+03	3.782E+01
4.5	1.280E+03	2.054E+03	2.048E+03	2.048E+03	0.000E+00	2.061E+03	2.061E+03	2.061E+03	4.214E+01
7.5	4.524E+02	7.613E+02	7.591E+02	7.591E+02	0.000E+00	7.662E+02	7.662E+02	7.662E+02	4.787E+01
15.0	1.045E+02	1.867E+02	1.862E+02	1.862E+02	0.000E+00	1.891E+02	1.891E+02	1.891E+02	4.827E+01
25.0	3.673E+01	6.789E+01	6.770E+01	6.770E+01	0.000E+00	6.917E+01	6.917E+01	6.917E+01	4.531E+01
35.0	1.940E+01	3.627E+01	3.617E+01	3.617E+01	0.000E+00	3.711E+01	3.711E+01	3.711E+01	4.293E+01
45.0	1.204E+01	2.265E+01	2.259E+01	2.259E+01	0.000E+00	2.325E+01	2.325E+01	2.325E+01	4.078E+01
55.0	8.206E+00	1.556E+01	1.552E+01	1.552E+01	0.000E+00	1.603E+01	1.603E+01	1.603E+01	3.915E+01
65.0	5.942E+00	1.134E+01	1.131E+01	1.131E+01	0.000E+00	1.172E+01	1.172E+01	1.172E+01	3.767E+01
75.0	4.493E+00	8.620E+00	8.595E+00	8.595E+00	0.000E+00	8.926E+00	8.926E+00	8.926E+00	3.632E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.183E-05	4.784E-05	4.784E-05	4.780E-05
2.5	1.440E-05	2.297E-05	2.297E-05	2.302E-05
3.5	7.921E-06	1.313E-05	1.313E-05	1.322E-05
4.5	4.907E-06	8.353E-06	8.352E-06	8.474E-06
7.5	1.736E-06	3.112E-06	3.112E-06	3.265E-06
15.0	4.012E-07	7.677E-07	7.677E-07	9.273E-07
25.0	1.412E-07	2.801E-07	2.800E-07	4.305E-07
35.0	7.461E-08	1.498E-07	1.498E-07	2.923E-07
45.0	4.632E-08	9.358E-08	9.358E-08	2.289E-07
55.0	3.156E-08	6.434E-08	6.434E-08	1.942E-07
65.0	2.286E-08	4.693E-08	4.693E-08	1.718E-07
75.0	1.729E-08	3.568E-08	3.568E-08	1.560E-07



TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.015E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.671E-02	9.368E-04	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.777E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.197E-01	5.010E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.878E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.715E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.783E-04	1.017E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.152E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.125E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.568E-01 PERSON-REM/YR

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.108E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.525E-01	8.522E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.281E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.085E+00	4.534E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.554E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.006E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.381E-03	9.039E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.909E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.694E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.421E+00 PERSON-REM/YR

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.223E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.790E-02	4.254E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.674E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.354E-01	2.190E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.733E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.305E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.638E-03	4.172E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.407E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.698E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.990E-01 PERSON-REM/YR

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.748E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.297E-01	3.240E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.942E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.644E+00	1.582E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.590E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.210E-02	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.921E-02	5.562E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.200E-01	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.961E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 5.087E+00 PERSON-REM/YR

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.363E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.316E-03	2.363E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.488E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.966E-02	1.217E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.780E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.381E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.054E-05	2.322E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.722E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.507E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.877E-02 PERSON-REM/YR

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.156E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.402E-03	2.765E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.624E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.151E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.340E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.458E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.677E-04	4.884E-05	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.057E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.718E-04

TOTAL DOSE COMMITMENT IS 4.389E-02 PERSON-REM/YR

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.554E-02	1.695E-02	1.218E-02	9.351E-03	2.820E-02	2.954E-02	2.055E-02	1.777E-02	1.661E-02	1.616E-02	1.607E-02	1.618E-02
NNE	3.388E-02	2.421E-02	1.501E-02	1.139E-02	3.265E-02	3.328E-02	2.254E-02	1.883E-02	1.707E-02	1.618E-02	1.580E-02	1.572E-02
NE	4.818E-02	3.022E-02	1.830E-02	1.358E-02	3.850E-02	3.947E-02	2.650E-02	2.177E-02	1.949E-02	1.833E-02	1.770E-02	1.739E-02
ENE	4.167E-02	3.047E-02	1.828E-02	1.286E-02	3.391E-02	3.293E-02	2.206E-02	1.843E-02	1.668E-02	1.577E-02	1.531E-02	1.510E-02
E	1.454E-02	1.536E-02	1.046E-02	8.058E-03	2.380E-02	2.484E-02	1.684E-02	1.398E-02	1.260E-02	1.192E-02	1.160E-02	1.147E-02
ESE	5.894E-03	5.826E-03	5.140E-03	4.387E-03	1.520E-02	1.809E-02	1.271E-02	1.043E-02	9.195E-03	8.453E-03	7.987E-03	7.700E-03
SE	3.636E-03	1.766E-03	1.396E-03	1.217E-03	4.538E-03	5.743E-03	4.189E-03	3.513E-03	3.154E-03	2.947E-03	2.825E-03	2.755E-03
SSE	2.696E-03	1.538E-03	5.640E-04	4.128E-04	1.056E-03	9.548E-04	6.342E-04	5.241E-04	4.659E-04	4.297E-04	4.052E-04	3.877E-04
S	4.537E-03	2.990E-03	2.084E-03	1.618E-03	4.408E-03	3.716E-03	2.344E-03	2.035E-03	1.976E-03	2.007E-03	2.078E-03	2.171E-03
SSW	7.156E-03	5.720E-03	4.680E-03	3.905E-03	1.276E-02	1.396E-02	9.558E-03	8.014E-03	7.343E-03	7.061E-03	7.024E-03	7.114E-03
SW	8.723E-03	7.284E-03	6.037E-03	5.106E-03	1.726E-02	1.971E-02	1.380E-02	1.169E-02	1.083E-02	1.050E-02	1.045E-02	1.055E-02
WSW	8.564E-03	6.821E-03	5.445E-03	4.466E-03	1.415E-02	1.525E-02	1.102E-02	9.928E-03	9.587E-03	9.575E-03	9.730E-03	9.972E-03
W	8.829E-03	7.062E-03	5.657E-03	4.649E-03	1.477E-02	1.621E-02	1.195E-02	1.093E-02	1.068E-02	1.083E-02	1.113E-02	1.150E-02
WNW	1.215E-02	9.299E-03	7.476E-03	6.152E-03	1.952E-02	2.117E-02	1.540E-02	1.398E-02	1.366E-02	1.379E-02	1.415E-02	1.470E-02
NW	1.407E-02	1.148E-02	8.665E-03	7.068E-03	2.223E-02	2.390E-02	1.685E-02	1.481E-02	1.402E-02	1.379E-02	1.384E-02	1.403E-02
NNW	1.693E-02	1.305E-02	9.316E-03	7.389E-03	2.254E-02	2.371E-02	1.669E-02	1.459E-02	1.375E-02	1.345E-02	1.343E-02	1.356E-02

TOTAL DOSE COMMITMENT IS 2.410E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.084E-01	2.046E-01	1.470E-01	1.129E-01	3.399E-01	3.536E-01	2.433E-01	2.081E-01	1.926E-01	1.858E-01	1.835E-01	1.838E-01
NNE	4.085E-01	2.917E-01	1.810E-01	1.374E-01	3.934E-01	3.990E-01	2.678E-01	2.217E-01	1.993E-01	1.874E-01	1.817E-01	1.797E-01
NE	5.800E-01	3.640E-01	2.206E-01	1.637E-01	4.640E-01	4.739E-01	3.158E-01	2.573E-01	2.285E-01	2.133E-01	2.046E-01	1.998E-01
ENE	5.015E-01	3.668E-01	2.201E-01	1.550E-01	4.086E-01	3.952E-01	2.626E-01	2.174E-01	1.951E-01	1.830E-01	1.765E-01	1.731E-01
E	1.755E-01	1.851E-01	1.262E-01	9.719E-02	2.869E-01	2.982E-01	2.005E-01	1.649E-01	1.474E-01	1.384E-01	1.338E-01	1.315E-01
ESE	7.140E-02	7.044E-02	6.211E-02	5.299E-02	1.834E-01	2.177E-01	1.521E-01	1.241E-01	1.087E-01	9.928E-02	9.327E-02	8.943E-02
SE	4.386E-02	2.137E-02	1.690E-02	1.473E-02	5.481E-02	6.905E-02	5.001E-02	4.162E-02	3.708E-02	3.440E-02	3.277E-02	3.177E-02
SSE	3.240E-02	1.848E-02	6.783E-03	4.962E-03	1.266E-02	1.135E-02	7.467E-03	6.130E-03	5.418E-03	4.973E-03	4.669E-03	4.450E-03
S	5.463E-02	3.601E-02	2.510E-02	1.948E-02	5.291E-02	4.404E-02	2.722E-02	2.323E-02	2.228E-02	2.245E-02	2.311E-02	2.405E-02
SSW	8.650E-02	6.913E-02	5.653E-02	4.714E-02	1.537E-01	1.672E-01	1.131E-01	9.374E-02	8.497E-02	8.097E-02	7.993E-02	8.046E-02
SW	1.056E-01	8.815E-02	7.302E-02	6.172E-02	2.083E-01	2.361E-01	1.634E-01	1.369E-01	1.254E-01	1.206E-01	1.191E-01	1.195E-01
WSW	1.037E-01	8.250E-02	6.582E-02	5.395E-02	1.705E-01	1.822E-01	1.299E-01	1.155E-01	1.103E-01	1.093E-01	1.103E-01	1.124E-01
W	1.069E-01	8.547E-02	6.842E-02	5.618E-02	1.780E-01	1.933E-01	1.404E-01	1.267E-01	1.226E-01	1.232E-01	1.258E-01	1.293E-01
NW	1.470E-01	1.125E-01	9.042E-02	7.435E-02	2.352E-01	2.526E-01	1.808E-01	1.619E-01	1.564E-01	1.565E-01	1.596E-01	1.648E-01
NNW	1.703E-01	1.387E-01	1.047E-01	8.536E-02	2.679E-01	2.856E-01	1.989E-01	1.727E-01	1.619E-01	1.579E-01	1.573E-01	1.587E-01
NNW	2.046E-01	1.576E-01	1.125E-01	8.919E-02	2.716E-01	2.836E-01	1.972E-01	1.705E-01	1.591E-01	1.544E-01	1.532E-01	1.538E-01

TOTAL DOSE COMMITMENT IS 2.854E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.042E-02	6.917E-03	4.968E-03	3.816E-03	1.153E-02	1.220E-02	8.629E-03	7.578E-03	7.179E-03	7.061E-03	7.087E-03	7.190E-03
NNE	1.387E-02	9.916E-03	6.138E-03	4.657E-03	1.336E-02	1.372E-02	9.410E-03	7.967E-03	7.313E-03	7.007E-03	6.905E-03	6.926E-03
NE	1.978E-02	1.240E-02	7.492E-03	5.554E-03	1.575E-02	1.624E-02	1.102E-02	9.159E-03	8.296E-03	7.882E-03	7.684E-03	7.609E-03
ENE	1.711E-02	1.252E-02	7.494E-03	5.269E-03	1.389E-02	1.356E-02	9.189E-03	7.775E-03	7.121E-03	6.804E-03	6.667E-03	6.630E-03
E	5.932E-03	6.289E-03	4.280E-03	3.294E-03	9.734E-03	1.022E-02	7.013E-03	5.894E-03	5.377E-03	5.145E-03	5.054E-03	5.036E-03
ESE	2.387E-03	2.370E-03	2.094E-03	1.788E-03	6.201E-03	7.419E-03	5.253E-03	4.351E-03	3.870E-03	3.589E-03	3.419E-03	3.321E-03
SE	1.486E-03	7.167E-04	5.664E-04	4.943E-04	1.849E-03	2.357E-03	1.737E-03	1.473E-03	1.337E-03	1.262E-03	1.221E-03	1.200E-03
SSE	1.111E-03	6.339E-04	2.319E-04	1.699E-04	4.362E-04	3.989E-04	2.683E-04	2.239E-04	2.006E-04	1.862E-04	1.767E-04	1.699E-04
S	1.862E-03	1.226E-03	6.547E-04	6.641E-04	1.816E-03	1.559E-03	1.012E-03	8.984E-04	8.858E-04	9.093E-04	9.479E-04	9.951E-04
SSW	2.912E-03	2.329E-03	1.907E-03	1.592E-03	5.217E-03	5.768E-03	4.014E-03	3.422E-03	3.182E-03	3.098E-03	3.112E-03	3.178E-03
SW	3.536E-03	2.957E-03	2.454E-03	2.077E-03	7.047E-03	8.128E-03	5.785E-03	4.985E-03	4.684E-03	4.601E-03	4.624E-03	4.706E-03
WSW	3.476E-03	2.772E-03	2.215E-03	1.818E-03	5.784E-03	6.316E-03	4.659E-03	4.272E-03	4.185E-03	4.228E-03	4.335E-03	4.474E-03
W	3.578E-03	2.866E-03	2.299E-03	1.892E-03	6.040E-03	6.729E-03	5.074E-03	4.723E-03	4.684E-03	4.801E-03	4.977E-03	5.178E-03
WNW	4.926E-03	3.774E-03	3.038E-03	2.503E-03	7.978E-03	8.791E-03	6.545E-03	6.057E-03	6.005E-03	6.134E-03	6.350E-03	6.637E-03
NW	5.712E-03	4.670E-03	3.527E-03	2.880E-03	9.092E-03	9.891E-03	7.107E-03	6.349E-03	6.097E-03	6.062E-03	6.138E-03	6.271E-03
NNW	6.892E-03	5.324E-03	3.800E-03	3.015E-03	9.223E-03	9.807E-03	7.021E-03	6.234E-03	5.954E-03	5.889E-03	5.935E-03	6.039E-03

TOTAL DOSE COMMITMENT IS 1.012E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.283E-01	8.512E-02	6.113E-02	4.694E-02	1.417E-01	1.489E-01	1.042E-01	9.066E-02	8.517E-02	8.319E-02	8.302E-02	8.385E-02
NNE	1.706E-01	1.219E-01	7.549E-02	5.728E-02	1.641E-01	1.677E-01	1.141E-01	9.579E-02	8.725E-02	8.304E-02	8.135E-02	8.119E-02
NE	2.431E-01	1.524E-01	9.213E-02	6.830E-02	1.936E-01	1.988E-01	1.340E-01	1.105E-01	9.938E-02	9.381E-02	9.092E-02	8.959E-02
ENE	2.103E-01	1.538E-01	9.213E-02	6.477E-02	1.706E-01	1.659E-01	1.116E-01	9.365E-02	8.513E-02	8.080E-02	7.871E-02	7.790E-02
E	7.301E-02	7.734E-02	5.264E-02	4.052E-02	1.196E-01	1.251E-01	8.518E-02	7.101E-02	6.429E-02	6.110E-02	5.967E-02	5.918E-02
ESE	2.942E-02	2.918E-02	2.578E-02	2.201E-02	7.627E-02	9.098E-02	6.409E-02	5.279E-02	4.669E-02	4.306E-02	4.081E-02	3.945E-02
SE	1.828E-02	8.830E-03	6.979E-03	6.088E-03	2.274E-02	2.888E-02	2.115E-02	1.781E-02	1.606E-02	1.506E-02	1.449E-02	1.417E-02
SSE	1.364E-02	7.783E-03	2.848E-03	2.084E-03	5.337E-03	4.839E-03	3.227E-03	2.676E-03	2.385E-03	2.206E-03	2.085E-03	1.998E-03
S	2.288E-02	1.507E-02	1.050E-02	8.156E-03	2.225E-02	1.887E-02	1.202E-02	1.052E-02	1.027E-02	1.048E-02	1.088E-02	1.138E-02
SSW	3.586E-02	2.867E-02	2.347E-02	1.959E-02	6.408E-02	7.039E-02	4.848E-02	4.090E-02	3.768E-02	3.641E-02	3.635E-02	3.694E-02
SW	4.358E-02	3.643E-02	3.021E-02	2.557E-02	8.658E-02	9.925E-02	6.992E-02	5.963E-02	5.552E-02	5.413E-02	5.407E-02	5.475E-02
MSW	4.283E-02	3.414E-02	2.727E-02	2.237E-02	7.101E-02	7.692E-02	5.603E-02	5.081E-02	4.934E-02	4.949E-02	5.046E-02	5.186E-02
W	4.410E-02	3.531E-02	2.831E-02	2.328E-02	7.414E-02	8.183E-02	6.086E-02	5.602E-02	5.507E-02	5.606E-02	5.781E-02	5.990E-02
MNW	6.070E-02	4.649E-02	3.741E-02	3.080E-02	9.794E-02	1.069E-01	7.845E-02	7.174E-02	7.048E-02	7.149E-02	7.361E-02	7.662E-02
NW	7.038E-02	5.750E-02	4.342E-02	3.544E-02	1.116E-01	1.205E-01	8.561E-02	7.569E-02	7.206E-02	7.115E-02	7.164E-02	7.287E-02
NNW	8.487E-02	6.552E-02	4.675E-02	3.709E-02	1.133E-01	1.196E-01	8.470E-02	7.447E-02	7.053E-02	6.929E-02	6.944E-02	7.034E-02

TOTAL DOSE COMMITMENT IS 1.223E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 1,2,3,4,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	7.973E-04	5.289E-04	3.809E-04	2.929E-04	8.780E-04	8.938E-04	5.920E-04	4.871E-04	4.348E-04	4.061E-04	3.901E-04	3.813E-04
NNE	1.036E-03	7.369E-04	4.624E-04	3.519E-04	1.010E-03	1.011E-03	6.596E-04	5.288E-04	4.605E-04	4.205E-04	3.968E-04	3.830E-04
NE	1.444E-03	9.114E-04	5.594E-04	4.173E-04	1.190E-03	1.205E-03	7.847E-04	6.220E-04	5.369E-04	4.874E-04	4.557E-04	4.349E-04
ENE	1.245E-03	9.105E-04	5.528E-04	3.921E-04	1.043E-03	1.003E-03	6.497E-04	5.219E-04	4.543E-04	4.142E-04	3.890E-04	3.728E-04
E	4.534E-04	4.680E-04	3.219E-04	2.488E-04	7.368E-04	7.579E-04	4.965E-04	3.964E-04	3.436E-04	3.135E-04	2.951E-04	2.833E-04
ESE	1.929E-04	1.856E-04	1.624E-04	1.383E-04	4.766E-04	5.595E-04	3.837E-04	3.065E-04	2.626E-04	2.347E-04	2.159E-04	2.029E-04
SE	1.123E-04	5.707E-05	4.524E-05	3.923E-05	1.441E-04	1.778E-04	1.255E-04	1.016E-04	8.812E-05	7.964E-05	7.402E-05	7.015E-05
SSE	7.876E-05	4.501E-05	1.683E-05	1.232E-05	3.141E-05	2.766E-05	1.773E-05	1.424E-05	1.234E-05	1.112E-05	1.027E-05	9.644E-06
S	1.366E-04	9.053E-05	6.329E-05	4.903E-05	1.321E-04	1.059E-04	6.107E-05	4.896E-05	4.474E-05	4.352E-05	4.367E-05	4.460E-05
SSW	2.274E-04	1.814E-04	1.479E-04	1.230E-04	3.981E-04	4.232E-04	2.754E-04	2.188E-04	1.905E-04	1.751E-04	1.675E-04	1.641E-04
SW	2.839E-04	2.353E-04	1.940E-04	1.633E-04	5.453E-04	6.019E-04	4.000E-04	3.214E-04	2.827E-04	2.621E-04	2.509E-04	2.453E-04
WSW	2.767E-04	2.190E-04	1.740E-04	1.421E-04	4.446E-04	4.601E-04	3.116E-04	2.642E-04	2.420E-04	2.314E-04	2.268E-04	2.257E-04
W	2.880E-04	2.284E-04	1.818E-04	1.486E-04	4.647E-04	4.853E-04	3.332E-04	2.863E-04	2.656E-04	2.578E-04	2.558E-04	2.569E-04
WNW	3.941E-04	3.009E-04	2.403E-04	1.967E-04	6.143E-04	6.342E-04	4.281E-04	3.635E-04	3.357E-04	3.241E-04	3.208E-04	3.236E-04
NW	4.548E-04	3.649E-04	2.754E-04	2.237E-04	6.956E-04	7.205E-04	4.796E-04	3.988E-04	3.596E-04	3.389E-04	3.282E-04	3.232E-04
NNW	5.364E-04	4.083E-04	2.924E-04	2.316E-04	7.009E-04	7.145E-04	4.774E-04	3.966E-04	3.568E-04	3.353E-04	3.235E-04	3.173E-04

TOTAL DOSE COMMITMENT IS 6.930E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.073E-02	7.114E-03	5.116E-03	3.929E-03	1.174E-02	1.180E-02	7.631E-03	6.118E-03	5.323E-03	4.854E-03	4.560E-03	4.371E-03
NNE	1.403E-02	9.990E-03	6.242E-03	4.743E-03	1.355E-02	1.341E-02	8.581E-03	6.735E-03	5.738E-03	5.128E-03	4.742E-03	4.492E-03
NE	1.968E-02	1.239E-02	7.572E-03	5.635E-03	1.599E-02	1.603E-02	1.027E-02	7.995E-03	6.771E-03	6.028E-03	5.533E-03	5.187E-03
ENE	1.698E-02	1.242E-02	7.508E-03	5.308E-03	1.403E-02	1.333E-02	8.485E-03	6.682E-03	5.698E-03	5.090E-03	4.689E-03	4.411E-03
E	6.102E-03	6.343E-03	4.348E-03	3.355E-03	9.896E-03	1.008E-02	6.487E-03	5.076E-03	4.310E-03	3.853E-03	3.556E-03	3.351E-03
ESE	2.558E-03	2.481E-03	2.175E-03	1.853E-03	6.382E-03	7.454E-03	5.059E-03	3.991E-03	3.373E-03	2.972E-03	2.694E-03	2.495E-03
SE	1.516E-03	7.595E-04	6.014E-04	5.221E-04	1.921E-03	2.360E-03	1.645E-03	1.311E-03	1.118E-03	9.926E-04	9.069E-04	8.454E-04
SSE	1.082E-03	6.173E-04	2.289E-04	1.671E-04	4.217E-04	3.620E-04	2.265E-04	1.786E-04	1.523E-04	1.354E-04	1.235E-04	1.146E-04
S	1.858E-03	1.228E-03	8.568E-04	6.629E-04	1.776E-03	1.383E-03	7.543E-04	5.725E-04	5.000E-04	4.696E-04	4.589E-04	4.595E-04
SSW	3.042E-03	2.427E-03	1.978E-03	1.645E-03	5.313E-03	5.578E-03	3.543E-03	2.738E-03	2.316E-03	2.071E-03	1.932E-03	1.852E-03
SW	3.770E-03	3.130E-03	2.582E-03	2.175E-03	7.252E-03	7.925E-03	5.151E-03	4.030E-03	3.449E-03	3.114E-03	2.909E-03	2.782E-03
WSW	3.682E-03	2.918E-03	2.319E-03	1.894E-03	5.908E-03	6.023E-03	3.964E-03	3.257E-03	2.896E-03	2.695E-03	2.579E-03	2.514E-03
W	3.822E-03	3.037E-03	2.419E-03	1.977E-03	6.167E-03	6.333E-03	4.210E-03	3.499E-03	3.147E-03	2.971E-03	2.878E-03	2.832E-03
WNW	5.238E-03	4.000E-03	3.198E-03	2.618E-03	8.156E-03	8.277E-03	5.399E-03	4.423E-03	3.950E-03	3.702E-03	3.573E-03	3.528E-03
NW	6.053E-03	4.878E-03	3.678E-03	2.988E-03	9.265E-03	9.460E-03	6.131E-03	4.955E-03	4.345E-03	3.991E-03	3.776E-03	3.643E-03
NNW	7.182E-03	5.486E-03	3.922E-03	3.104E-03	9.364E-03	9.413E-03	6.132E-03	4.959E-03	4.347E-03	3.986E-03	3.761E-03	3.617E-03

TOTAL DOSE COMMITMENT IS 8.950E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 1,2,3,4.

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 5--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.568E-01	1.421E+00	6.990E-01	1.357E-01	7.516E-02	5.087E+00
GROUND	3.877E-02	3.877E-02	3.877E-02	3.877E-02	3.877E-02	3.877E-02
CLOUD	4.389E-02	4.389E-02	4.389E-02	4.389E-02	4.389E-02	4.389E-02
VEG. ING	1.205E+00	1.427E+01	1.205E+00	3.716E+00	3.119E+00	1.205E+00
MEAT ING	4.297E-02	5.192E-01	4.297E-02	1.397E-01	1.148E-01	4.297E-02
MILK ING	3.641E-02	4.703E-01	3.641E-02	7.677E-02	8.016E-02	3.641E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.524E+00	1.676E+01	2.066E+00	4.151E+00	3.472E+00	6.454E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.205E+00	1.427E+01	1.205E+00	3.716E+00	3.119E+00	1.205E+00
MEAT ING	9.689E-01	1.171E+01	9.689E-01	3.149E+00	2.589E+00	9.689E-01
MILK ING	3.288E-02	4.247E-01	3.288E-02	6.933E-02	7.239E-02	3.288E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.207E+00	2.640E+01	2.207E+00	6.934E+00	5.781E+00	2.207E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.568E-01	1.421E+00	6.990E-01	1.357E-01	7.516E-02	5.087E+00
GROUND	3.877E-02	3.877E-02	3.877E-02	3.877E-02	3.877E-02	3.877E-02
CLOUD	4.389E-02	4.389E-02	4.389E-02	4.389E-02	4.389E-02	4.389E-02
VEG. ING	2.410E+00	2.854E+01	2.410E+00	7.432E+00	6.239E+00	2.410E+00
MEAT ING	1.012E+00	1.223E+01	1.012E+00	3.289E+00	2.704E+00	1.012E+00
MILK ING	6.930E-02	8.950E-01	6.930E-02	1.461E-01	1.526E-01	6.930E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.731E+00	4.317E+01	4.273E+00	1.109E+01	9.253E+00	8.661E+00

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	1.270E-05	2.792E-05	2.791E-05	2.785E-05	3.295E+01	6.710E+01	6.691E+01	6.691E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.270E-05	2.792E-05	2.791E-05	2.785E-05	3.295E+01	6.710E+01	6.691E+01	6.691E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.033E-01	1.129E-01	1.129E-01	1.127E-01	2.715E+05	2.930E+05	2.921E+05	2.921E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.033E-01	1.129E-01	1.129E-01	1.127E-01	2.715E+05	2.930E+05	2.921E+05	2.921E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	3.266E-03	9.546E-03	9.545E-03	9.523E-03	8.408E+03	2.250E+04	2.244E+04	2.244E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.266E-03	9.546E-03	9.545E-03	9.523E-03	8.408E+03	2.250E+04	2.244E+04	2.244E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.571E-03	7.559E-03	7.559E-03	7.541E-03	6.618E+03	1.781E+04	1.776E+04	1.776E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.571E-03	7.559E-03	7.559E-03	7.541E-03	6.618E+03	1.781E+04	1.776E+04	1.776E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.328E-02	1.883E-02	1.883E-02	1.879E-02	3.475E+04	4.722E+04	4.708E+04	4.708E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.328E-02	1.883E-02	1.883E-02	1.879E-02	3.475E+04	4.722E+04	4.708E+04	4.708E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.272E-02	4.471E-02	4.471E-02	4.461E-02	8.571E+04	1.126E+05	1.123E+05	1.123E+05
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.272E-02	4.471E-02	4.471E-02	4.461E-02	8.571E+04	1.126E+05	1.123E+05	1.123E+05
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.653E-03	1.153E-02	1.153E-02	1.150E-02	9.379E+03	2.705E+04	2.697E+04	2.697E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		3.653E-03	1.153E-02	1.153E-02	1.150E-02	9.379E+03	2.705E+04	2.697E+04	2.697E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.497E-03	1.396E-02	1.396E-02	1.392E-02	2.219E+04	3.444E+04	3.434E+04	3.434E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		8.497E-03	1.396E-02	1.396E-02	1.392E-02	2.219E+04	3.444E+04	3.434E+04	3.434E+04

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS										
NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3				GROUND CONCENTRATIONS, PCI/M2			
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	2.943E-02	3.593E-02	3.593E-02	3.585E-02	7.722E+04	9.180E+04	9.152E+04	9.152E+04
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.943E-02	3.593E-02	3.593E-02	3.585E-02	7.722E+04	9.180E+04	9.152E+04	9.152E+04
10	Ballroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Ballroil	2	1.249E-05	2.779E-05	2.779E-05	2.773E-05	3.239E+01	6.674E+01	6.656E+01	6.656E+01
10	Ballroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Ballroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.249E-05	2.779E-05	2.779E-05	2.773E-05	3.239E+01	6.674E+01	6.656E+01	6.656E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	1.184E-05	2.509E-05	2.509E-05	2.503E-05	3.076E+01	6.049E+01	6.032E+01	6.032E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.184E-05	2.509E-05	2.509E-05	2.503E-05	3.076E+01	6.049E+01	6.032E+01	6.032E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	2.413E-06	5.177E-06	5.177E-06	5.165E-06	6.267E+00	1.247E+01	1.243E+01	1.243E+01
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.413E-06	5.177E-06	5.177E-06	5.165E-06	6.267E+00	1.247E+01	1.243E+01	1.243E+01
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	5.922E-03	2.642E-02	2.642E-02	2.636E-02	1.498E+04	6.098E+04	6.081E+04	6.081E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		5.922E-03	2.642E-02	2.642E-02	2.636E-02	1.498E+04	6.098E+04	6.081E+04	6.081E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.155E-03	6.636E-03	6.636E-03	6.621E-03	5.538E+03	1.559E+04	1.555E+04	1.555E+04
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.155E-03	6.636E-03	6.636E-03	6.621E-03	5.538E+03	1.559E+04	1.555E+04	1.555E+04

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 02/25/94  
 DURATION IN YRS IS... 3.0

TIME STEP NUMBER S. 1,2,3,4.

NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS								GROUND CONCENTRATIONS, PCI/M2			
	AIRBORNE CONCENTRATIONS, PCI/M3											
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.741E+00	1.742E+00	1.687E+00	1.612E+00	4.009E-05	1.085E-06	7.653E-10	1.636E-05	1.379E+00	1.379E+00	1.379E+00	3.656E+01
2	2.278E+02	2.027E+02	6.712E+01	2.008E+01	9.432E-06	5.340E-09	8.739E-14	6.240E-04	1.606E+02	1.606E+02	1.606E+02	8.394E+00
3	1.137E+02	1.012E+02	3.526E+01	1.178E+01	6.516E-06	4.317E-09	8.221E-14	3.270E-04	8.018E+01	8.018E+01	8.018E+01	5.800E+00
4	9.260E+01	7.043E+01	1.872E+01	5.543E+00	2.803E-06	1.802E-09	3.596E-14	1.881E-04	5.579E+01	5.579E+01	5.579E+01	2.535E+00
5	1.059E+02	9.686E+01	3.930E+01	1.516E+01	1.013E-05	7.985E-09	1.798E-13	3.556E-04	7.672E+01	7.672E+01	7.672E+01	9.014E+00
6	2.195E+02	1.810E+02	4.506E+01	1.023E+01	3.443E-06	1.422E-09	1.714E-14	4.531E-04	1.434E+02	1.434E+02	1.434E+02	3.064E+00
7	1.453E+02	1.271E+02	4.034E+01	1.221E+01	5.928E-06	3.474E-09	5.876E-14	3.810E-04	1.007E+02	1.007E+02	1.007E+02	5.276E+00
8	1.021E+02	9.244E+01	3.540E+01	1.301E+01	8.176E-06	6.102E-09	1.303E-13	3.232E-04	7.322E+01	7.322E+01	7.322E+01	7.276E+00
9	1.359E+02	1.237E+02	4.885E+01	1.780E+01	1.087E-05	7.877E-09	1.636E-13	4.415E-04	9.800E+01	9.800E+01	9.800E+01	9.675E+00
10	1.847E+00	1.848E+00	1.813E+00	1.757E+00	5.561E-05	1.925E-06	1.754E-09	1.765E-05	1.464E+00	1.464E+00	1.464E+00	5.075E+01
11	6.644E-01	6.648E-01	6.619E-01	6.538E-01	3.032E-05	1.512E-06	2.009E-09	6.479E-06	5.265E-01	5.265E-01	5.265E-01	2.725E+01
12	2.936E-01	2.938E-01	2.924E-01	2.884E-01	1.464E-05	8.848E-07	1.469E-09	2.861E-06	2.327E-01	2.327E-01	2.327E-01	1.331E+01
13	3.546E+02	2.474E+02	4.513E+01	8.350E+00	2.435E-06	1.029E-09	1.624E-14	5.147E-04	1.959E+02	1.959E+02	1.959E+02	2.219E+00
14	1.037E+02	9.433E+01	4.192E+01	2.019E+01	2.025E-05	2.378E-08	7.989E-13	3.850E-04	7.471E+01	7.471E+01	7.471E+01	1.815E+01



NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.80E-01	4.80E-01	1.14E+00	9.75E-02	7.67E-02	0.00E+00
INFANT	GROUND	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04
INFANT	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.33E-02	7.75E-02	3.63E-02	3.63E-02	4.89E-02	0.00E+00
INFANT	TOTALS	2.03E-01	5.58E-01	1.18E+00	1.34E-01	1.26E-01	3.12E-04
CHILD	INHAL.	8.43E-02	4.05E-01	5.25E-01	3.93E-02	2.62E-02	0.00E+00
CHILD	GROUND	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04
CHILD	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
CHILD	VEG. ING	1.13E-02	5.68E-02	4.77E-02	4.77E-02	3.76E-02	0.00E+00
CHILD	MEAT ING	1.29E-03	6.43E-03	6.10E-03	6.10E-03	4.63E-03	0.00E+00
CHILD	MILK ING	2.75E-03	1.81E-02	8.22E-03	8.22E-03	8.13E-03	0.00E+00
CHILD	TOTALS	9.99E-02	4.87E-01	5.87E-01	1.02E-01	7.69E-02	3.12E-04
TEENAGE	INHAL.	5.31E-02	4.50E-01	2.71E-01	1.71E-02	1.31E-02	0.00E+00
TEENAGE	GROUND	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04
TEENAGE	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
TEENAGE	VEG. ING	1.84E-02	3.04E-01	4.25E-02	4.25E-02	3.84E-02	0.00E+00
TEENAGE	MEAT ING	2.03E-03	3.32E-02	5.33E-03	5.33E-03	4.61E-03	0.00E+00
TEENAGE	MILK ING	3.84E-03	8.07E-02	5.28E-03	5.28E-03	6.21E-03	0.00E+00
TEENAGE	TOTALS	7.76E-02	8.68E-01	3.24E-01	7.06E-02	6.27E-02	3.12E-04
ADULT	INHAL.	4.56E-02	4.22E-01	2.23E-01	1.42E-02	1.00E-02	0.00E+00
ADULT	GROUND	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04
ADULT	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
ADULT	VEG. ING	1.04E-02	1.27E-01	2.77E-02	2.77E-02	2.43E-02	0.00E+00
ADULT	MEAT ING	1.48E-03	1.82E-02	4.41E-03	4.41E-03	3.72E-03	0.00E+00
ADULT	MILK ING	7.38E-04	1.11E-02	1.31E-03	1.31E-03	1.44E-03	0.00E+00
ADULT	TOTALS	5.85E-02	5.79E-01	2.56E-01	4.79E-02	3.98E-02	3.12E-04

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 02/25/94  
 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 5, 1,2,3,4.

NUMBER 1 NAME=Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.17E-01	5.02E-01	1.15E+00	2.10E-01	1.20E-01	2.18E+00
INFANT	GROUND	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02
INFANT	CLOUD	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.73E-02	8.53E-02	5.08E-02	5.08E-02	6.17E-02	0.00E+00
INFANT	TOTALS	3.75E-01	6.18E-01	1.23E+00	2.91E-01	2.12E-01	2.21E+00
CHILD	INHAL.	2.18E-01	4.22E-01	5.26E-01	8.92E-02	4.68E-02	2.18E+00
CHILD	GROUND	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02
CHILD	CLOUD	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02
CHILD	VEG. ING	1.51E-02	7.42E-02	6.83E-02	6.83E-02	5.27E-02	0.00E+00
CHILD	MEAT ING	1.79E-03	8.68E-03	8.76E-03	8.76E-03	6.58E-03	0.00E+00
CHILD	MILK ING	3.38E-03	2.09E-02	1.16E-02	1.16E-02	1.06E-02	0.00E+00
CHILD	TOTALS	2.69E-01	5.56E-01	6.45E-01	2.08E-01	1.47E-01	2.21E+00
TEENAGE	INHAL.	1.87E-01	4.90E-01	2.71E-01	3.85E-02	2.34E-02	2.18E+00
TEENAGE	GROUND	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02
TEENAGE	CLOUD	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02
TEENAGE	VEG. ING	2.41E-02	3.88E-01	6.08E-02	6.08E-02	5.35E-02	0.00E+00
TEENAGE	MEAT ING	2.76E-03	4.39E-02	7.66E-03	7.66E-03	6.53E-03	0.00E+00
TEENAGE	MILK ING	4.52E-03	9.06E-02	7.43E-03	7.43E-03	7.99E-03	0.00E+00
TEENAGE	TOTALS	2.49E-01	1.04E+00	3.77E-01	1.45E-01	1.22E-01	2.21E+00
ADULT	INHAL.	1.79E-01	4.46E-01	2.23E-01	3.20E-02	1.86E-02	2.18E+00
ADULT	GROUND	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02
ADULT	CLOUD	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02	1.78E-02
ADULT	VEG. ING	1.39E-02	1.67E-01	3.97E-02	3.97E-02	3.40E-02	0.00E+00
ADULT	MEAT ING	2.04E-03	2.47E-02	6.33E-03	6.33E-03	5.28E-03	0.00E+00
ADULT	MILK ING	8.95E-04	1.29E-02	1.85E-03	1.85E-03	1.88E-03	0.00E+00
ADULT	TOTALS	2.26E-01	6.82E-01	3.01E-01	1.10E-01	9.01E-02	2.21E+00

NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.56E+02	1.95E+03	6.52E+03	3.94E+02	3.14E+02	0.00E+00
INFANT	GROUND	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00
INFANT	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.20E+02	3.86E+02	1.48E+02	1.48E+02	2.75E+02	0.00E+00
INFANT	TOTALS	1.08E+03	2.33E+03	6.67E+03	5.44E+02	5.91E+02	1.75E+00
CHILD	INHAL.	4.51E+02	1.64E+03	3.04E+03	1.59E+02	1.08E+02	0.00E+00
CHILD	GROUND	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00
CHILD	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
CHILD	VEG. ING	4.78E+01	2.40E+02	1.94E+02	1.94E+02	1.64E+02	0.00E+00
CHILD	MEAT ING	5.36E+00	2.67E+01	2.48E+01	2.48E+01	1.95E+01	0.00E+00
CHILD	MILK ING	1.27E+01	8.08E+01	3.35E+01	3.35E+01	4.22E+01	0.00E+00
CHILD	TOTALS	5.19E+02	1.99E+03	3.29E+03	4.13E+02	3.36E+02	1.75E+00
TEENAGE	INHAL.	2.72E+02	1.82E+03	1.57E+03	6.93E+01	5.41E+01	0.00E+00
TEENAGE	GROUND	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00
TEENAGE	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
TEENAGE	VEG. ING	7.72E+01	1.29E+03	1.73E+02	1.73E+02	1.68E+02	0.00E+00
TEENAGE	MEAT ING	8.41E+00	1.38E+02	2.17E+01	2.17E+01	1.95E+01	0.00E+00
TEENAGE	MILK ING	1.70E+01	3.61E+02	2.15E+01	2.15E+01	3.22E+01	0.00E+00
TEENAGE	TOTALS	3.76E+02	3.62E+03	1.79E+03	2.87E+02	2.76E+02	1.75E+00
ADULT	INHAL.	2.32E+02	1.71E+03	1.30E+03	5.73E+01	4.13E+01	0.00E+00
ADULT	GROUND	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00
ADULT	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
ADULT	VEG. ING	4.34E+01	5.34E+02	1.13E+02	1.13E+02	1.05E+02	0.00E+00
ADULT	MEAT ING	6.11E+00	7.53E+01	1.79E+01	1.79E+01	1.56E+01	0.00E+00
ADULT	MILK ING	3.25E+00	4.88E+01	5.33E+00	5.33E+00	7.31E+00	0.00E+00
ADULT	TOTALS	2.87E+02	2.37E+03	1.44E+03	1.95E+02	1.71E+02	1.75E+00

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 233  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 5, 1,2,3,4,      DURATION IN YRS IS... 3.0  
 NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.73E+02	1.95E+03	6.52E+03	3.94E+02	3.14E+02	2.85E+02
INFANT	GROUND	5.40E+01	5.40E+01	5.40E+01	5.40E+01	5.40E+01	5.40E+01
INFANT	CLOUD	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.20E+02	3.86E+02	1.48E+02	1.48E+02	2.75E+02	0.00E+00
INFANT	TOTALS	1.15E+03	2.39E+03	6.73E+03	5.97E+02	6.44E+02	3.39E+02
CHILD	INHAL.	4.68E+02	1.64E+03	3.04E+03	1.59E+02	1.08E+02	2.85E+02
CHILD	GROUND	5.40E+01	5.40E+01	5.40E+01	5.40E+01	5.40E+01	5.40E+01
CHILD	CLOUD	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01
CHILD	VEG. ING	4.78E+01	2.40E+02	1.94E+02	1.94E+02	1.64E+02	0.00E+00
CHILD	MEAT ING	5.36E+00	2.67E+01	2.48E+01	2.48E+01	1.95E+01	0.00E+00
CHILD	MILK ING	1.27E+01	8.08E+01	3.35E+01	3.35E+01	4.22E+01	0.00E+00
CHILD	TOTALS	5.88E+02	2.04E+03	3.35E+03	4.66E+02	3.88E+02	3.39E+02
TEENAGE	INHAL.	2.89E+02	1.82E+03	1.57E+03	6.93E+01	5.41E+01	2.85E+02
TEENAGE	GROUND	5.40E+01	5.40E+01	5.40E+01	5.40E+01	5.40E+01	5.40E+01
TEENAGE	CLOUD	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01
TEENAGE	VEG. ING	7.72E+01	1.29E+03	1.73E+02	1.73E+02	1.68E+02	0.00E+00
TEENAGE	MEAT ING	8.41E+00	1.38E+02	2.17E+01	2.17E+01	1.95E+01	0.00E+00
TEENAGE	MILK ING	1.70E+01	3.61E+02	2.15E+01	2.15E+01	3.22E+01	0.00E+00
TEENAGE	TOTALS	4.46E+02	3.67E+03	1.84E+03	3.40E+02	3.28E+02	3.39E+02
ADULT	INHAL.	2.49E+02	1.71E+03	1.30E+03	5.73E+01	4.13E+01	2.85E+02
ADULT	GROUND	5.40E+01	5.40E+01	5.40E+01	5.40E+01	5.40E+01	5.40E+01
ADULT	CLOUD	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01
ADULT	VEG. ING	4.34E+01	5.34E+02	1.13E+02	1.13E+02	1.05E+02	0.00E+00
ADULT	MEAT ING	6.11E+00	7.53E+01	1.79E+01	1.79E+01	1.56E+01	0.00E+00
ADULT	MILK ING	3.25E+00	4.88E+01	5.33E+00	5.33E+00	7.31E+00	0.00E+00
ADULT	TOTALS	3.56E+02	2.42E+03	1.49E+03	2.47E+02	2.24E+02	3.39E+02

NUMBER 3 NAME=Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.67E+01	1.64E+02	3.52E+02	3.33E+01	2.62E+01	0.00E+00
INFANT	GROUND	9.66E-02	9.66E-02	9.66E-02	9.66E-02	9.66E-02	9.66E-02
INFANT	CLOUD	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.46E+00	2.50E+01	1.24E+01	1.24E+01	1.51E+01	0.00E+00
INFANT	TOTALS	6.42E+01	1.89E+02	3.65E+02	4.58E+01	4.14E+01	9.66E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.66E+01	1.39E+02	1.60E+02	1.34E+01	8.93E+00	0.00E+00
CHILD	GROUND	9.66E-02	9.66E-02	9.66E-02	9.66E-02	9.66E-02	9.66E-02
CHILD	CLOUD	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07
CHILD	VEG. ING	3.81E+00	1.92E+01	1.63E+01	1.63E+01	1.26E+01	0.00E+00
CHILD	MEAT ING	4.38E-01	2.18E+00	2.08E+00	2.08E+00	1.57E+00	0.00E+00
CHILD	MILK ING	9.07E-01	6.02E+00	2.80E+00	2.80E+00	2.59E+00	0.00E+00
CHILD	TOTALS	3.18E+01	1.66E+02	1.82E+02	3.47E+01	2.58E+01	9.66E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.70E+01	1.54E+02	8.26E+01	5.86E+00	4.47E+00	0.00E+00
TEENAGE	GROUND	9.66E-02	9.66E-02	9.66E-02	9.66E-02	9.66E-02	9.66E-02
TEENAGE	CLOUD	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07
TEENAGE	VEG. ING	6.22E+00	1.02E+02	1.45E+01	1.45E+01	1.29E+01	0.00E+00
TEENAGE	MEAT ING	6.91E-01	1.13E+01	1.82E+00	1.82E+00	1.56E+00	0.00E+00
TEENAGE	MILK ING	1.28E+00	2.69E+01	1.80E+00	1.80E+00	1.98E+00	0.00E+00
TEENAGE	TOTALS	2.53E+01	2.95E+02	1.01E+02	2.41E+01	2.10E+01	9.66E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.46E+01	1.44E+02	6.79E+01	4.84E+00	3.41E+00	0.00E+00
ADULT	GROUND	9.66E-02	9.66E-02	9.66E-02	9.66E-02	9.66E-02	9.66E-02
ADULT	CLOUD	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07
ADULT	VEG. ING	3.53E+00	4.31E+01	9.47E+00	9.47E+00	8.15E+00	0.00E+00
ADULT	MEAT ING	5.05E-01	6.20E+00	1.50E+00	1.50E+00	1.26E+00	0.00E+00
ADULT	MILK ING	2.47E-01	3.73E+00	4.47E-01	4.47E-01	4.61E-01	0.00E+00
ADULT	TOTALS	1.90E+01	1.98E+02	7.94E+01	1.64E+01	1.34E+01	9.66E-02

NUMBER 3 NAME=Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.52E+01	1.64E+02	3.52E+02	3.34E+01	2.62E+01	1.42E+02
INFANT	GROUND	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00
INFANT	CLOUD	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.46E+00	2.50E+01	1.24E+01	1.24E+01	1.51E+01	0.00E+00
INFANT	TOTALS	7.70E+01	1.93E+02	3.69E+02	5.00E+01	4.56E+01	1.46E+02
CHILD	INHAL.	3.51E+01	1.39E+02	1.60E+02	1.35E+01	8.94E+00	1.42E+02
CHILD	GROUND	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00
CHILD	CLOUD	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01
CHILD	VEG. ING	3.81E+00	1.92E+01	1.63E+01	1.63E+01	1.26E+01	0.00E+00
CHILD	MEAT ING	4.38E-01	2.18E+00	2.08E+00	2.08E+00	1.57E+00	0.00E+00
CHILD	MILK ING	9.07E-01	6.02E+00	2.81E+00	2.81E+00	2.59E+00	0.00E+00
CHILD	TOTALS	4.45E+01	1.70E+02	1.86E+02	3.89E+01	3.00E+01	1.46E+02
TEENAGE	INHAL.	2.55E+01	1.54E+02	8.26E+01	5.86E+00	4.47E+00	1.42E+02
TEENAGE	GROUND	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00
TEENAGE	CLOUD	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01
TEENAGE	VEG. ING	6.22E+00	1.02E+02	1.45E+01	1.45E+01	1.29E+01	0.00E+00
TEENAGE	MEAT ING	6.91E-01	1.13E+01	1.82E+00	1.82E+00	1.56E+00	0.00E+00
TEENAGE	MILK ING	1.28E+00	2.69E+01	1.80E+00	1.80E+00	1.98E+00	0.00E+00
TEENAGE	TOTALS	3.80E+01	2.99E+02	1.05E+02	2.83E+01	2.52E+01	1.46E+02
ADULT	INHAL.	2.31E+01	1.44E+02	6.79E+01	4.84E+00	3.41E+00	1.42E+02
ADULT	GROUND	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00
ADULT	CLOUD	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01	1.62E-01
ADULT	VEG. ING	3.53E+00	4.31E+01	9.47E+00	9.47E+00	8.16E+00	0.00E+00
ADULT	MEAT ING	5.05E-01	6.20E+00	1.50E+00	1.50E+00	1.26E+00	0.00E+00
ADULT	MILK ING	2.47E-01	3.73E+00	4.47E-01	4.47E-01	4.61E-01	0.00E+00
ADULT	TOTALS	3.17E+01	2.02E+02	8.36E+01	2.05E+01	1.76E+01	1.46E+02

NUMBER 4 NAME=Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.48E+01	1.30E+02	2.78E+02	2.64E+01	2.07E+01	0.00E+00
INFANT	GROUND	7.63E-02	7.63E-02	7.63E-02	7.63E-02	7.63E-02	7.63E-02
INFANT	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.90E+00	1.98E+01	9.81E+00	9.81E+00	1.20E+01	0.00E+00
INFANT	TOTALS	5.08E+01	1.50E+02	2.88E+02	3.63E+01	3.28E+01	7.63E-02
CHILD	INHAL.	2.10E+01	1.10E+02	1.27E+02	1.06E+01	7.07E+00	0.00E+00
CHILD	GROUND	7.63E-02	7.63E-02	7.63E-02	7.63E-02	7.63E-02	7.63E-02
CHILD	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
CHILD	VEG. ING	3.01E+00	1.52E+01	1.29E+01	1.29E+01	9.99E+00	0.00E+00
CHILD	MEAT ING	3.47E-01	1.73E+00	1.65E+00	1.65E+00	1.24E+00	0.00E+00
CHILD	MILK ING	7.18E-01	4.76E+00	2.22E+00	2.22E+00	2.05E+00	0.00E+00
CHILD	TOTALS	2.52E+01	1.31E+02	1.44E+02	2.75E+01	2.04E+01	7.63E-02
TEENAGE	INHAL.	1.34E+01	1.22E+02	6.53E+01	4.64E+00	3.54E+00	0.00E+00
TEENAGE	GROUND	7.63E-02	7.63E-02	7.63E-02	7.63E-02	7.63E-02	7.63E-02
TEENAGE	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
TEENAGE	VEG. ING	4.93E+00	8.11E+01	1.15E+01	1.15E+01	1.02E+01	0.00E+00
TEENAGE	MEAT ING	5.47E-01	8.91E+00	1.44E+00	1.44E+00	1.23E+00	0.00E+00
TEENAGE	MILK ING	1.01E+00	2.13E+01	1.43E+00	1.43E+00	1.56E+00	0.00E+00
TEENAGE	TOTALS	2.00E+01	2.33E+02	7.97E+01	1.91E+01	1.66E+01	7.63E-02
ADULT	INHAL.	1.15E+01	1.14E+02	5.37E+01	3.83E+00	2.70E+00	0.00E+00
ADULT	GROUND	7.63E-02	7.63E-02	7.63E-02	7.63E-02	7.63E-02	7.63E-02
ADULT	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
ADULT	VEG. ING	2.80E+00	3.41E+01	7.50E+00	7.50E+00	6.46E+00	0.00E+00
ADULT	MEAT ING	4.00E-01	4.91E+00	1.19E+00	1.19E+00	9.97E-01	0.00E+00
ADULT	MILK ING	1.96E-01	2.95E+00	3.54E-01	3.54E-01	3.64E-01	0.00E+00
ADULT	TOTALS	1.50E+01	1.56E+02	6.28E+01	1.30E+01	1.06E+01	7.63E-02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 5, 1,2,3,4.

PAGE 237  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 4 NAME=Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.18E+01	1.30E+02	2.78E+02	2.64E+01	2.07E+01	1.16E+02
INFANT	GROUND	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00
INFANT	CLOUD	7.91E-02	7.91E-02	7.91E-02	7.91E-02	7.91E-02	7.91E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.90E+00	1.98E+01	9.81E+00	9.81E+00	1.20E+01	0.00E+00
INFANT	TOTALS	6.10E+01	1.53E+02	2.92E+02	3.96E+01	3.60E+01	1.19E+02
CHILD	INHAL.	2.79E+01	1.10E+02	1.27E+02	1.07E+01	7.07E+00	1.16E+02
CHILD	GROUND	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00
CHILD	CLOUD	7.91E-02	7.91E-02	7.91E-02	7.91E-02	7.91E-02	7.91E-02
CHILD	VEG. ING	3.02E+00	1.52E+01	1.29E+01	1.29E+01	9.99E+00	0.00E+00
CHILD	MEAT ING	3.47E-01	1.73E+00	1.65E+00	1.65E+00	1.24E+00	0.00E+00
CHILD	MILK ING	7.18E-01	4.76E+00	2.22E+00	2.22E+00	2.05E+00	0.00E+00
CHILD	TOTALS	3.54E+01	1.35E+02	1.47E+02	3.08E+01	2.37E+01	1.19E+02
TEENAGE	INHAL.	2.04E+01	1.22E+02	6.53E+01	4.64E+00	3.54E+00	1.16E+02
TEENAGE	GROUND	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00
TEENAGE	CLOUD	7.91E-02	7.91E-02	7.91E-02	7.91E-02	7.91E-02	7.91E-02
TEENAGE	VEG. ING	4.93E+00	8.11E+01	1.15E+01	1.15E+01	1.02E+01	0.00E+00
TEENAGE	MEAT ING	5.47E-01	8.91E+00	1.44E+00	1.44E+00	1.24E+00	0.00E+00
TEENAGE	MILK ING	1.01E+00	2.13E+01	1.43E+00	1.43E+00	1.56E+00	0.00E+00
TEENAGE	TOTALS	3.02E+01	2.36E+02	8.30E+01	2.24E+01	1.99E+01	1.19E+02
ADULT	INHAL.	1.85E+01	1.14E+02	5.37E+01	3.83E+00	2.70E+00	1.16E+02
ADULT	GROUND	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00	3.26E+00
ADULT	CLOUD	7.91E-02	7.91E-02	7.91E-02	7.91E-02	7.91E-02	7.91E-02
ADULT	VEG. ING	2.80E+00	3.41E+01	7.50E+00	7.50E+00	6.46E+00	0.00E+00
ADULT	MEAT ING	4.00E-01	4.91E+00	1.19E+00	1.19E+00	9.97E-01	0.00E+00
ADULT	MILK ING	1.96E-01	2.95E+00	3.54E-01	3.54E-01	3.64E-01	0.00E+00
ADULT	TOTALS	2.52E+01	1.60E+02	6.61E+01	1.62E+01	1.39E+01	1.19E+02



NUMBER 5 NAME=Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.42E+02	3.24E+02	9.44E+02	6.58E+01	5.21E+01	0.00E+00
INFANT	GROUND	2.55E-01	2.55E-01	2.55E-01	2.55E-01	2.55E-01	2.55E-01
INFANT	CLOUD	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.80E+01	5.89E+01	2.46E+01	2.46E+01	4.00E+01	0.00E+00
INFANT	TOTALS	1.60E+02	3.83E+02	9.69E+02	9.06E+01	9.24E+01	2.55E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.68E+01	2.74E+02	4.37E+02	2.65E+01	1.78E+01	0.00E+00
CHILD	GROUND	2.55E-01	2.55E-01	2.55E-01	2.55E-01	2.55E-01	2.55E-01
CHILD	CLOUD	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06
CHILD	VEG. ING	7.80E+00	3.93E+01	3.23E+01	3.23E+01	2.65E+01	0.00E+00
CHILD	MEAT ING	8.84E-01	4.40E+00	4.13E+00	4.13E+00	3.19E+00	0.00E+00
CHILD	MILK ING	2.00E+00	1.29E+01	5.57E+00	5.57E+00	6.33E+00	0.00E+00
CHILD	TOTALS	7.78E+01	3.30E+02	4.79E+02	6.87E+01	5.41E+01	2.55E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.10E+01	3.04E+02	2.26E+02	1.16E+01	8.95E+00	0.00E+00
TEENAGE	GROUND	2.55E-01	2.55E-01	2.55E-01	2.55E-01	2.55E-01	2.55E-01
TEENAGE	CLOUD	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06
TEENAGE	VEG. ING	1.27E+01	2.11E+02	2.88E+01	2.88E+01	2.71E+01	0.00E+00
TEENAGE	MEAT ING	1.39E+00	2.27E+01	3.61E+00	3.61E+00	3.18E+00	0.00E+00
TEENAGE	MILK ING	2.73E+00	5.75E+01	3.57E+00	3.57E+00	4.83E+00	0.00E+00
TEENAGE	TOTALS	5.80E+01	5.95E+02	2.62E+02	4.78E+01	4.43E+01	2.55E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.51E+01	2.85E+02	1.86E+02	9.55E+00	6.83E+00	0.00E+00
ADULT	GROUND	2.55E-01	2.55E-01	2.55E-01	2.55E-01	2.55E-01	2.55E-01
ADULT	CLOUD	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06
ADULT	VEG. ING	7.14E+00	8.76E+01	1.87E+01	1.87E+01	1.70E+01	0.00E+00
ADULT	MEAT ING	1.01E+00	1.24E+01	2.98E+00	2.98E+00	2.56E+00	0.00E+00
ADULT	MILK ING	5.22E-01	7.85E+00	8.86E-01	8.86E-01	1.10E+00	0.00E+00
ADULT	TOTALS	4.40E+01	3.93E+02	2.09E+02	3.24E+01	2.78E+01	2.55E-01

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.50E+02	3.24E+02	9.44E+02	6.58E+01	5.21E+01	1.32E+02
INFANT	GROUND	8.68E+00	8.68E+00	8.68E+00	8.68E+00	8.68E+00	8.68E+00
INFANT	CLOUD	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.80E+01	5.89E+01	2.46E+01	2.46E+01	4.00E+01	0.00E+00
INFANT	TOTALS	1.77E+02	3.92E+02	9.77E+02	9.93E+01	1.01E+02	1.41E+02
CHILD	INHAL.	7.48E+01	2.74E+02	4.37E+02	2.65E+01	1.78E+01	1.32E+02
CHILD	GROUND	8.68E+00	8.68E+00	8.68E+00	8.68E+00	8.68E+00	8.68E+00
CHILD	CLOUD	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01
CHILD	VEG. ING	7.80E+00	3.93E+01	3.23E+01	3.23E+01	2.65E+01	0.00E+00
CHILD	MEAT ING	8.84E-01	4.40E+00	4.13E+00	4.13E+00	3.19E+00	0.00E+00
CHILD	MILK ING	2.00E+00	1.29E+01	5.57E+00	5.57E+00	6.33E+00	0.00E+00
CHILD	TOTALS	9.44E+01	3.39E+02	4.88E+02	7.74E+01	6.28E+01	1.41E+02
TEENAGE	INHAL.	4.89E+01	3.04E+02	2.26E+02	1.16E+01	8.95E+00	1.32E+02
TEENAGE	GROUND	8.68E+00	8.68E+00	8.68E+00	8.68E+00	8.68E+00	8.68E+00
TEENAGE	CLOUD	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01
TEENAGE	VEG. ING	1.27E+01	2.11E+02	2.88E+01	2.88E+01	2.71E+01	0.00E+00
TEENAGE	MEAT ING	1.39E+00	2.27E+01	3.61E+00	3.61E+00	3.18E+00	0.00E+00
TEENAGE	MILK ING	2.73E+00	5.75E+01	3.58E+00	3.58E+00	4.83E+00	0.00E+00
TEENAGE	TOTALS	7.46E+01	6.04E+02	2.71E+02	5.64E+01	5.29E+01	1.41E+02
ADULT	INHAL.	4.30E+01	2.85E+02	1.86E+02	9.55E+00	6.84E+00	1.32E+02
ADULT	GROUND	8.68E+00	8.68E+00	8.68E+00	8.68E+00	8.68E+00	8.68E+00
ADULT	CLOUD	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01
ADULT	VEG. ING	7.14E+00	8.76E+01	1.87E+01	1.87E+01	1.70E+01	0.00E+00
ADULT	MEAT ING	1.01E+00	1.24E+01	2.98E+00	2.98E+00	2.56E+00	0.00E+00
ADULT	MILK ING	5.22E-01	7.85E+00	8.86E-01	8.86E-01	1.11E+00	0.00E+00
ADULT	TOTALS	6.06E+01	4.02E+02	2.18E+02	4.11E+01	3.64E+01	1.41E+02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

PAGE 240  
 02/25/94  
 TIME STEP NUMBER 5, 1,2,3,4. DURATION IN YRS IS... 3.0

NUMBER 6 NAME=Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION. MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.42E+02	7.70E+02	2.28E+03	1.56E+02	1.24E+02	0.00E+00
INFANT	GROUND	6.16E-01	6.16E-01	6.16E-01	6.16E-01	6.16E-01	6.16E-01
INFANT	CLOUD	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.34E+01	1.41E+02	5.84E+01	5.84E+01	9.67E+01	0.00E+00
INFANT	TOTALS	3.86E+02	9.12E+02	2.34E+03	2.15E+02	2.21E+02	6.16E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.61E+02	6.50E+02	1.06E+03	6.30E+01	4.24E+01	0.00E+00
CHILD	GROUND	6.16E-01	6.16E-01	6.16E-01	6.16E-01	6.16E-01	6.16E-01
CHILD	CLOUD	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06
CHILD	VEG. ING	1.86E+01	9.34E+01	7.66E+01	7.66E+01	6.32E+01	0.00E+00
CHILD	MEAT ING	2.10E+00	1.05E+01	9.80E+00	9.80E+00	7.60E+00	0.00E+00
CHILD	MILK ING	4.79E+00	3.08E+01	1.32E+01	1.32E+01	1.52E+01	0.00E+00
CHILD	TOTALS	1.87E+02	7.85E+02	1.16E+03	1.63E+02	1.29E+02	6.16E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	9.87E+01	7.22E+02	5.47E+02	2.75E+01	2.13E+01	0.00E+00
TEENAGE	GROUND	6.16E-01	6.16E-01	6.16E-01	6.16E-01	6.16E-01	6.16E-01
TEENAGE	CLOUD	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06
TEENAGE	VEG. ING	3.01E+01	5.02E+02	6.83E+01	6.83E+01	6.46E+01	0.00E+00
TEENAGE	MEAT ING	3.30E+00	5.41E+01	8.58E+00	8.58E+00	7.58E+00	0.00E+00
TEENAGE	MILK ING	6.51E+00	1.37E+02	8.49E+00	8.49E+00	1.16E+01	0.00E+00
TEENAGE	TOTALS	1.39E+02	1.42E+03	6.33E+02	1.13E+02	1.06E+02	6.16E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	8.44E+01	6.77E+02	4.52E+02	2.27E+01	1.62E+01	0.00E+00
ADULT	GROUND	6.16E-01	6.16E-01	6.16E-01	6.16E-01	6.16E-01	6.16E-01
ADULT	CLOUD	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06
ADULT	VEG. ING	1.70E+01	2.08E+02	4.45E+01	4.45E+01	4.06E+01	0.00E+00
ADULT	MEAT ING	2.40E+00	2.96E+01	7.08E+00	7.08E+00	6.09E+00	0.00E+00
ADULT	MILK ING	1.24E+00	1.87E+01	2.10E+00	2.10E+00	2.66E+00	0.00E+00
ADULT	TOTALS	1.06E+02	9.34E+02	5.06E+02	7.70E+01	6.62E+01	6.16E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 02/25/94  
 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 5, 1,2,3,4,

NUMBER 6 NAME=Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.59E+02	7.70E+02	2.28E+03	1.56E+02	1.24E+02	2.74E+02
INFANT	GROUND	2.07E+01	2.07E+01	2.07E+01	2.07E+01	2.07E+01	2.07E+01
INFANT	CLOUD	1.61E-01	1.61E-01	1.61E-01	1.61E-01	1.61E-01	1.61E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.34E+01	1.41E+02	5.84E+01	5.84E+01	9.67E+01	0.00E+00
INFANT	TOTALS	4.23E+02	9.32E+02	2.36E+03	2.35E+02	2.41E+02	2.95E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.78E+02	6.50E+02	1.06E+03	6.30E+01	4.24E+01	2.74E+02
CHILD	GROUND	2.07E+01	2.07E+01	2.07E+01	2.07E+01	2.07E+01	2.07E+01
CHILD	CLOUD	1.61E-01	1.61E-01	1.61E-01	1.61E-01	1.61E-01	1.61E-01
CHILD	VEG. ING	1.86E+01	9.34E+01	7.66E+01	7.66E+01	6.32E+01	0.00E+00
CHILD	MEAT ING	2.10E+00	1.05E+01	9.80E+00	9.80E+00	7.60E+00	0.00E+00
CHILD	MILK ING	4.79E+00	3.08E+01	1.32E+01	1.32E+01	1.52E+01	0.00E+00
CHILD	TOTALS	2.24E+02	8.05E+02	1.18E+03	1.84E+02	1.49E+02	2.95E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.15E+02	7.22E+02	5.47E+02	2.75E+01	2.13E+01	2.74E+02
TEENAGE	GROUND	2.07E+01	2.07E+01	2.07E+01	2.07E+01	2.07E+01	2.07E+01
TEENAGE	CLOUD	1.61E-01	1.61E-01	1.61E-01	1.61E-01	1.61E-01	1.61E-01
TEENAGE	VEG. ING	3.01E+01	5.02E+02	6.83E+01	6.83E+01	6.46E+01	0.00E+00
TEENAGE	MEAT ING	3.30E+00	5.41E+01	8.58E+00	8.58E+00	7.58E+00	0.00E+00
TEENAGE	MILK ING	6.51E+00	1.37E+02	8.49E+00	8.49E+00	1.16E+01	0.00E+00
TEENAGE	TOTALS	1.76E+02	1.44E+03	6.54E+02	1.34E+02	1.26E+02	2.95E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.01E+02	6.77E+02	4.52E+02	2.27E+01	1.62E+01	2.74E+02
ADULT	GROUND	2.07E+01	2.07E+01	2.07E+01	2.07E+01	2.07E+01	2.07E+01
ADULT	CLOUD	1.61E-01	1.61E-01	1.61E-01	1.61E-01	1.61E-01	1.61E-01
ADULT	VEG. ING	1.70E+01	2.08E+02	4.45E+01	4.45E+01	4.06E+01	0.00E+00
ADULT	MEAT ING	2.40E+00	2.96E+01	7.08E+00	7.08E+00	6.09E+00	0.00E+00
ADULT	MILK ING	1.24E+00	1.87E+01	2.10E+00	2.10E+00	2.66E+00	0.00E+00
ADULT	TOTALS	1.42E+02	9.55E+02	5.26E+02	9.73E+01	8.65E+01	2.95E+02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 02/25/94  
 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 5, 1,2,3,4.

NUMBER 7 NAME=Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.72E+01	1.98E+02	4.15E+02	4.03E+01	3.16E+01	0.00E+00
INFANT	GROUND	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01
INFANT	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.86E+00	2.98E+01	1.49E+01	1.49E+01	1.79E+01	0.00E+00
INFANT	TOTALS	7.61E+01	2.28E+02	4.30E+02	5.53E+01	4.95E+01	1.14E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.15E+01	1.67E+02	1.89E+02	1.62E+01	1.08E+01	0.00E+00
CHILD	GROUND	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01
CHILD	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
CHILD	VEG. ING	4.59E+00	2.31E+01	1.97E+01	1.97E+01	1.52E+01	0.00E+00
CHILD	MEAT ING	5.29E-01	2.63E+00	2.51E+00	2.51E+00	1.89E+00	0.00E+00
CHILD	MILK ING	1.09E+00	7.23E+00	3.39E+00	3.39E+00	3.07E+00	0.00E+00
CHILD	TOTALS	3.78E+01	2.00E+02	2.14E+02	4.19E+01	3.10E+01	1.14E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.02E+01	1.86E+02	9.71E+01	7.08E+00	5.39E+00	0.00E+00
TEENAGE	GROUND	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01
TEENAGE	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
TEENAGE	VEG. ING	7.50E+00	1.23E+02	1.75E+01	1.75E+01	1.55E+01	0.00E+00
TEENAGE	MEAT ING	8.34E-01	1.36E+01	2.20E+00	2.20E+00	1.88E+00	0.00E+00
TEENAGE	MILK ING	1.54E+00	3.23E+01	2.17E+00	2.17E+00	2.35E+00	0.00E+00
TEENAGE	TOTALS	3.01E+01	3.55E+02	1.19E+02	2.91E+01	2.52E+01	1.14E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.74E+01	1.74E+02	7.98E+01	5.84E+00	4.11E+00	0.00E+00
ADULT	GROUND	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.14E-01
ADULT	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
ADULT	VEG. ING	4.26E+00	5.20E+01	1.14E+01	1.14E+01	9.81E+00	0.00E+00
ADULT	MEAT ING	6.09E-01	7.48E+00	1.82E+00	1.82E+00	1.52E+00	0.00E+00
ADULT	MILK ING	2.97E-01	4.48E+00	5.39E-01	5.39E-01	5.48E-01	0.00E+00
ADULT	TOTALS	2.26E+01	2.38E+02	9.37E+01	1.97E+01	1.61E+01	1.14E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 243  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 5, 1,2,3,4, DURATION IN YRS IS... 3.0  
 NUMBER 7 NAME=Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.81E+01	1.98E+02	4.15E+02	4.03E+01	3.16E+01	1.82E+02
INFANT	GROUND	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00
INFANT	CLOUD	1.73E-01	1.73E-01	1.73E-01	1.73E-01	1.73E-01	1.73E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.86E+00	2.98E+01	1.50E+01	1.50E+01	1.79E+01	0.00E+00
INFANT	TOTALS	9.21E+01	2.33E+02	4.35E+02	6.03E+01	5.46E+01	1.87E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.24E+01	1.67E+02	1.89E+02	1.62E+01	1.08E+01	1.82E+02
CHILD	GROUND	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00
CHILD	CLOUD	1.73E-01	1.73E-01	1.73E-01	1.73E-01	1.73E-01	1.73E-01
CHILD	VEG. ING	4.59E+00	2.31E+01	1.97E+01	1.97E+01	1.52E+01	0.00E+00
CHILD	MEAT ING	5.29E-01	2.63E+00	2.51E+00	2.51E+00	1.89E+00	0.00E+00
CHILD	MILK ING	1.09E+00	7.23E+00	3.39E+00	3.39E+00	3.08E+00	0.00E+00
CHILD	TOTALS	5.37E+01	2.05E+02	2.19E+02	4.69E+01	3.60E+01	1.87E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.11E+01	1.86E+02	9.71E+01	7.08E+00	5.40E+00	1.82E+02
TEENAGE	GROUND	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00
TEENAGE	CLOUD	1.73E-01	1.73E-01	1.73E-01	1.73E-01	1.73E-01	1.73E-01
TEENAGE	VEG. ING	7.50E+00	1.23E+02	1.75E+01	1.75E+01	1.55E+01	0.00E+00
TEENAGE	MEAT ING	8.34E-01	1.36E+01	2.20E+00	2.20E+00	1.88E+00	0.00E+00
TEENAGE	MILK ING	1.54E+00	3.23E+01	2.17E+00	2.17E+00	2.35E+00	0.00E+00
TEENAGE	TOTALS	4.61E+01	3.60E+02	1.24E+02	3.41E+01	3.02E+01	1.87E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.83E+01	1.74E+02	7.98E+01	5.85E+00	4.12E+00	1.82E+02
ADULT	GROUND	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00
ADULT	CLOUD	1.73E-01	1.73E-01	1.73E-01	1.73E-01	1.73E-01	1.73E-01
ADULT	VEG. ING	4.26E+00	5.20E+01	1.14E+01	1.14E+01	9.81E+00	0.00E+00
ADULT	MEAT ING	6.09E-01	7.48E+00	1.82E+00	1.82E+00	1.52E+00	0.00E+00
ADULT	MILK ING	2.97E-01	4.48E+00	5.39E-01	5.39E-01	5.48E-01	0.00E+00
ADULT	TOTALS	3.86E+01	2.43E+02	9.87E+01	2.48E+01	2.11E+01	1.87E+02

NUMBER 8 NAME-Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.93E+01	2.40E+02	6.51E+02	4.87E+01	3.85E+01	0.00E+00
INFANT	GROUND	1.76E-01	1.76E-01	1.76E-01	1.76E-01	1.76E-01	1.76E-01
INFANT	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.27E+01	4.17E+01	1.82E+01	1.82E+01	2.77E+01	0.00E+00
INFANT	TOTALS	1.12E+02	2.82E+02	6.69E+02	6.71E+01	6.64E+01	1.76E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.67E+01	2.03E+02	3.00E+02	1.97E+01	1.32E+01	0.00E+00
CHILD	GROUND	1.76E-01	1.76E-01	1.76E-01	1.76E-01	1.76E-01	1.76E-01
CHILD	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
CHILD	VEG. ING	5.72E+00	2.88E+01	2.39E+01	2.39E+01	1.93E+01	0.00E+00
CHILD	MEAT ING	6.51E-01	3.24E+00	3.06E+00	3.06E+00	2.35E+00	0.00E+00
CHILD	MILK ING	1.44E+00	9.35E+00	4.12E+00	4.12E+00	4.45E+00	0.00E+00
CHILD	TOTALS	5.47E+01	2.44E+02	3.31E+02	5.09E+01	3.95E+01	1.76E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.89E+01	2.25E+02	1.55E+02	8.57E+00	6.61E+00	0.00E+00
TEENAGE	GROUND	1.76E-01	1.76E-01	1.76E-01	1.76E-01	1.76E-01	1.76E-01
TEENAGE	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
TEENAGE	VEG. ING	9.31E+00	1.54E+02	2.13E+01	2.13E+01	1.97E+01	0.00E+00
TEENAGE	MEAT ING	1.02E+00	1.67E+01	2.67E+00	2.67E+00	2.34E+00	0.00E+00
TEENAGE	MILK ING	1.98E+00	4.17E+01	2.64E+00	2.64E+00	3.40E+00	0.00E+00
TEENAGE	TOTALS	4.14E+01	4.38E+02	1.82E+02	3.53E+01	3.23E+01	1.76E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.48E+01	2.11E+02	1.28E+02	7.08E+00	5.04E+00	0.00E+00
ADULT	GROUND	1.76E-01	1.76E-01	1.76E-01	1.76E-01	1.76E-01	1.76E-01
ADULT	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
ADULT	VEG. ING	5.26E+00	6.44E+01	1.39E+01	1.39E+01	1.24E+01	0.00E+00
ADULT	MEAT ING	7.46E-01	9.18E+00	2.21E+00	2.21E+00	1.88E+00	0.00E+00
ADULT	MILK ING	3.80E-01	5.72E+00	6.56E-01	6.56E-01	7.80E-01	0.00E+00
ADULT	TOTALS	3.13E+01	2.91E+02	1.45E+02	2.40E+01	2.03E+01	1.76E-01

TIME STEP NUMBER 5, 1,2,3,4.

NUMBER 8 NAME-Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.07E+02	2.40E+02	6.51E+02	4.88E+01	3.85E+01	1.28E+02
INFANT	GROUND	6.33E+00	6.33E+00	6.33E+00	6.33E+00	6.33E+00	6.33E+00
INFANT	CLOUD	1.74E-01	1.74E-01	1.74E-01	1.74E-01	1.74E-01	1.74E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.27E+01	4.17E+01	1.82E+01	1.82E+01	2.77E+01	0.00E+00
INFANT	TOTALS	1.26E+02	2.89E+02	6.75E+02	7.35E+01	7.27E+01	1.34E+02
CHILD	INHAL.	5.44E+01	2.03E+02	3.00E+02	1.97E+01	1.32E+01	1.28E+02
CHILD	GROUND	6.33E+00	6.33E+00	6.33E+00	6.33E+00	6.33E+00	6.33E+00
CHILD	CLOUD	1.74E-01	1.74E-01	1.74E-01	1.74E-01	1.74E-01	1.74E-01
CHILD	VEG. ING	5.72E+00	2.88E+01	2.39E+01	2.39E+01	1.93E+01	0.00E+00
CHILD	MEAT ING	6.51E-01	3.24E+00	3.06E+00	3.06E+00	2.35E+00	0.00E+00
CHILD	MILK ING	1.44E+00	9.35E+00	4.12E+00	4.12E+00	4.45E+00	0.00E+00
CHILD	TOTALS	6.87E+01	2.51E+02	3.38E+02	5.72E+01	4.58E+01	1.34E+02
TEENAGE	INHAL.	3.66E+01	2.25E+02	1.55E+02	8.57E+00	6.61E+00	1.28E+02
TEENAGE	GROUND	6.33E+00	6.33E+00	6.33E+00	6.33E+00	6.33E+00	6.33E+00
TEENAGE	CLOUD	1.74E-01	1.74E-01	1.74E-01	1.74E-01	1.74E-01	1.74E-01
TEENAGE	VEG. ING	9.31E+00	1.54E+02	2.13E+01	2.13E+01	1.97E+01	0.00E+00
TEENAGE	MEAT ING	1.02E+00	1.67E+01	2.67E+00	2.67E+00	2.34E+00	0.00E+00
TEENAGE	MILK ING	1.98E+00	4.17E+01	2.65E+00	2.65E+00	3.40E+00	0.00E+00
TEENAGE	TOTALS	5.54E+01	4.45E+02	1.88E+02	4.17E+01	3.86E+01	1.34E+02
ADULT	INHAL.	3.24E+01	2.11E+02	1.28E+02	7.08E+00	5.05E+00	1.28E+02
ADULT	GROUND	6.33E+00	6.33E+00	6.33E+00	6.33E+00	6.33E+00	6.33E+00
ADULT	CLOUD	1.74E-01	1.74E-01	1.74E-01	1.74E-01	1.74E-01	1.74E-01
ADULT	VEG. ING	5.26E+00	6.44E+01	1.39E+01	1.39E+01	1.24E+01	0.00E+00
ADULT	MEAT ING	7.46E-01	9.18E+00	2.21E+00	2.21E+00	1.88E+00	0.00E+00
ADULT	MILK ING	3.80E-01	5.72E+00	6.56E-01	6.56E-01	7.80E-01	0.00E+00
ADULT	TOTALS	4.53E+01	2.97E+02	1.51E+02	3.03E+01	2.66E+01	1.34E+02



NUMBER 9 NAME=Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.89E+02	6.19E+02	1.95E+03	1.25E+02	9.97E+01	0.00E+00
INFANT	GROUND	5.25E-01	5.25E-01	5.25E-01	5.25E-01	5.25E-01	5.25E-01
INFANT	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.64E+01	1.18E+02	4.70E+01	4.70E+01	8.24E+01	0.00E+00
INFANT	TOTALS	3.26E+02	7.38E+02	2.00E+03	1.73E+02	1.83E+02	5.25E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.36E+02	5.22E+02	9.06E+02	5.06E+01	3.42E+01	0.00E+00
CHILD	GROUND	5.25E-01	5.25E-01	5.25E-01	5.25E-01	5.25E-01	5.25E-01
CHILD	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
CHILD	VEG. ING	1.51E+01	7.57E+01	6.16E+01	6.16E+01	5.15E+01	0.00E+00
CHILD	MEAT ING	1.70E+00	8.45E+00	7.89E+00	7.89E+00	6.15E+00	0.00E+00
CHILD	MILK ING	3.95E+00	2.52E+01	1.06E+01	1.06E+01	1.28E+01	0.00E+00
CHILD	TOTALS	1.57E+02	6.32E+02	9.87E+02	1.31E+02	1.05E+02	5.25E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.27E+01	5.80E+02	4.69E+02	2.21E+01	1.71E+01	0.00E+00
TEENAGE	GROUND	5.25E-01	5.25E-01	5.25E-01	5.25E-01	5.25E-01	5.25E-01
TEENAGE	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
TEENAGE	VEG. ING	2.44E+01	4.07E+02	5.49E+01	5.49E+01	5.27E+01	0.00E+00
TEENAGE	MEAT ING	2.66E+00	4.37E+01	6.90E+00	6.90E+00	6.14E+00	0.00E+00
TEENAGE	MILK ING	5.32E+00	1.12E+02	6.83E+00	6.83E+00	9.77E+00	0.00E+00
TEENAGE	TOTALS	1.16E+02	1.14E+03	5.38E+02	9.12E+01	8.63E+01	5.25E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.07E+01	5.44E+02	3.87E+02	1.82E+01	1.31E+01	0.00E+00
ADULT	GROUND	5.25E-01	5.25E-01	5.25E-01	5.25E-01	5.25E-01	5.25E-01
ADULT	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
ADULT	VEG. ING	1.37E+01	1.69E+02	3.58E+01	3.58E+01	3.31E+01	0.00E+00
ADULT	MEAT ING	1.94E+00	2.39E+01	5.70E+00	5.70E+00	4.93E+00	0.00E+00
ADULT	MILK ING	1.02E+00	1.53E+01	1.69E+00	1.69E+00	2.23E+00	0.00E+00
ADULT	TOTALS	8.79E+01	7.52E+02	4.31E+02	6.19E+01	5.38E+01	5.25E-01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 247  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER: 5, 1,2,3,4,      DURATION IN YRS IS... 3.0  
 NUMBER 9 NAME--Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.99E+02	6.19E+02	1.95E+03	1.26E+02	9.98E+01	1.70E+02
INFANT	GROUND	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.69E+01
INFANT	CLOUD	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.64E+01	1.18E+02	4.70E+01	4.70E+01	8.24E+01	0.00E+00
INFANT	TOTALS	3.53E+02	7.54E+02	2.01E+03	1.90E+02	1.99E+02	1.87E+02
CHILD	INHAL.	1.46E+02	5.22E+02	9.06E+02	5.06E+01	3.42E+01	1.70E+02
CHILD	GROUND	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.69E+01
CHILD	CLOUD	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01
CHILD	VEG. ING	1.51E+01	7.57E+01	6.16E+01	6.16E+01	5.15E+01	0.00E+00
CHILD	MEAT ING	1.70E+00	8.45E+00	7.89E+00	7.89E+00	6.16E+00	0.00E+00
CHILD	MILK ING	3.95E+00	2.52E+01	1.06E+01	1.06E+01	1.28E+01	0.00E+00
CHILD	TOTALS	1.84E+02	6.49E+02	1.00E+03	1.48E+02	1.22E+02	1.87E+02
TEENAGE	INHAL.	9.29E+01	5.80E+02	4.69E+02	2.21E+01	1.71E+01	1.70E+02
TEENAGE	GROUND	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.69E+01
TEENAGE	CLOUD	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01
TEENAGE	VEG. ING	2.44E+01	4.07E+02	5.49E+01	5.49E+01	5.27E+01	0.00E+00
TEENAGE	MEAT ING	2.66E+00	4.37E+01	6.90E+00	6.90E+00	6.14E+00	0.00E+00
TEENAGE	MILK ING	5.32E+00	1.12E+02	6.83E+00	6.83E+00	9.77E+00	0.00E+00
TEENAGE	TOTALS	1.42E+02	1.16E+03	5.55E+02	1.08E+02	1.03E+02	1.87E+02
ADULT	INHAL.	8.09E+01	5.44E+02	3.87E+02	1.82E+01	1.31E+01	1.70E+02
ADULT	GROUND	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.69E+01	1.69E+01
ADULT	CLOUD	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01
ADULT	VEG. ING	1.37E+01	1.69E+02	3.58E+01	3.58E+01	3.31E+01	0.00E+00
ADULT	MEAT ING	1.94E+00	2.39E+01	5.70E+00	5.70E+00	4.93E+00	0.00E+00
ADULT	MILK ING	1.02E+00	1.53E+01	1.69E+00	1.69E+00	2.23E+00	0.00E+00
ADULT	TOTALS	1.15E+02	7.69E+02	4.47E+02	7.86E+01	7.05E+01	1.87E+02

NUMBER 10 NAME=Bailroii X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.78E-01	4.78E-01	1.13E+00	9.71E-02	7.64E-02	0.00E+00
INFANT	GROUND	3.09E-04	3.09E-04	3.09E-04	3.09E-04	3.09E-04	3.09E-04
INFANT	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.32E-02	7.70E-02	3.61E-02	3.61E-02	4.85E-02	0.00E+00
INFANT	TOTALS	2.02E-01	5.55E-01	1.17E+00	1.34E-01	1.25E-01	3.09E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.36E-02	4.03E-01	5.20E-01	3.91E-02	2.61E-02	0.00E+00
CHILD	GROUND	3.09E-04	3.09E-04	3.09E-04	3.09E-04	3.09E-04	3.09E-04
CHILD	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
CHILD	VEG. ING	1.12E-02	5.65E-02	4.75E-02	4.75E-02	3.74E-02	0.00E+00
CHILD	MEAT ING	1.28E-03	6.40E-03	6.07E-03	6.07E-03	4.61E-03	0.00E+00
CHILD	MILK ING	2.73E-03	1.80E-02	8.18E-03	8.18E-03	8.07E-03	0.00E+00
CHILD	TOTALS	9.92E-02	4.85E-01	5.82E-01	1.01E-01	7.65E-02	3.09E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.27E-02	4.48E-01	2.68E-01	1.71E-02	1.31E-02	0.00E+00
TEENAGE	GROUND	3.09E-04	3.09E-04	3.09E-04	3.09E-04	3.09E-04	3.09E-04
TEENAGE	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
TEENAGE	VEG. ING	1.83E-02	3.02E-01	4.23E-02	4.23E-02	3.82E-02	0.00E+00
TEENAGE	MEAT ING	2.02E-03	3.30E-02	5.31E-03	5.31E-03	4.59E-03	0.00E+00
TEENAGE	MILK ING	3.82E-03	8.02E-02	5.25E-03	5.25E-03	6.16E-03	0.00E+00
TEENAGE	TOTALS	7.71E-02	8.64E-01	3.21E-01	7.03E-02	6.23E-02	3.09E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.52E-02	4.21E-01	2.21E-01	1.41E-02	9.98E-03	0.00E+00
ADULT	GROUND	3.09E-04	3.09E-04	3.09E-04	3.09E-04	3.09E-04	3.09E-04
ADULT	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
ADULT	VEG. ING	1.04E-02	1.27E-01	2.76E-02	2.76E-02	2.42E-02	0.00E+00
ADULT	MEAT ING	1.48E-03	1.81E-02	4.39E-03	4.39E-03	3.70E-03	0.00E+00
ADULT	MILK ING	7.34E-04	1.11E-02	1.30E-03	1.30E-03	1.43E-03	0.00E+00
ADULT	TOTALS	5.81E-02	5.77E-01	2.54E-01	4.77E-02	3.96E-02	3.09E-04

REGION: Sweetwater Uranium Facility      CODE: MILDOS-AREA (03/89)      PAGE 249  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 5, 1,2,3,4,      DURATION IN YRS IS... 3.0  
 NUMBER 10 NAME=Bailroil      X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.26E-01	5.08E-01	1.14E+00	2.53E-01	1.37E-01	2.31E+00
INFANT	GROUND	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02
INFANT	CLOUD	1.93E-02	1.93E-02	1.93E-02	1.93E-02	1.93E-02	1.93E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.86E-02	8.78E-02	5.62E-02	5.62E-02	6.62E-02	0.00E+00
INFANT	TOTALS	3.87E-01	6.28E-01	1.23E+00	3.41E-01	2.35E-01	2.34E+00
CHILD	INHAL.	2.27E-01	4.26E-01	5.21E-01	1.08E-01	5.46E-02	2.31E+00
CHILD	GROUND	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02
CHILD	CLOUD	1.93E-02	1.93E-02	1.93E-02	1.93E-02	1.93E-02	1.93E-02
CHILD	VEG. ING	1.66E-02	8.07E-02	7.60E-02	7.60E-02	5.84E-02	0.00E+00
CHILD	MEAT ING	1.97E-03	9.53E-03	9.76E-03	9.76E-03	7.31E-03	0.00E+00
CHILD	MILK ING	3.61E-03	2.20E-02	1.29E-02	1.29E-02	1.15E-02	0.00E+00
CHILD	TOTALS	2.81E-01	5.70E-01	6.52E-01	2.39E-01	1.64E-01	2.34E+00
TEENAGE	INHAL.	1.96E-01	5.04E-01	2.69E-01	4.67E-02	2.73E-02	2.31E+00
TEENAGE	GROUND	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02
TEENAGE	CLOUD	1.93E-02	1.93E-02	1.93E-02	1.93E-02	1.93E-02	1.93E-02
TEENAGE	VEG. ING	2.63E-02	4.19E-01	6.77E-02	6.77E-02	5.92E-02	0.00E+00
TEENAGE	MEAT ING	3.04E-03	4.79E-02	8.53E-03	8.53E-03	7.25E-03	0.00E+00
TEENAGE	MILK ING	4.76E-03	9.40E-02	8.24E-03	8.24E-03	8.64E-03	0.00E+00
TEENAGE	TOTALS	2.62E-01	1.10E+00	3.85E-01	1.63E-01	1.34E-01	2.34E+00
ADULT	INHAL.	1.88E-01	4.54E-01	2.21E-01	3.88E-02	2.19E-02	2.31E+00
ADULT	GROUND	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02
ADULT	CLOUD	1.93E-02	1.93E-02	1.93E-02	1.93E-02	1.93E-02	1.93E-02
ADULT	VEG. ING	1.52E-02	1.82E-01	4.42E-02	4.42E-02	3.76E-02	0.00E+00
ADULT	MEAT ING	2.25E-03	2.71E-02	7.05E-03	7.05E-03	5.87E-03	0.00E+00
ADULT	MILK ING	9.52E-04	1.36E-02	2.05E-03	2.05E-03	2.04E-03	0.00E+00
ADULT	TOTALS	2.38E-01	7.08E-01	3.06E-01	1.24E-01	9.93E-02	2.34E+00

REGION: Sweetwater Uranium Facility CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 02/25/94  
 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 5, 1,2,3,4.

NUMBER 11 NAME=Jeffrey City X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION. MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.63E-01	4.32E-01	1.04E+00	8.76E-02	6.90E-02	0.00E+00
INFANT	GROUND	2.85E-04	2.85E-04	2.85E-04	2.85E-04	2.85E-04	2.85E-04
INFANT	CLOUD	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.12E-02	7.03E-02	3.26E-02	3.26E-02	4.46E-02	0.00E+00
INFANT	TOTALS	1.85E-01	5.02E-01	1.08E+00	1.21E-01	1.14E-01	2.85E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.67E-02	3.64E-01	4.79E-01	3.53E-02	2.36E-02	0.00E+00
CHILD	GROUND	2.85E-04	2.85E-04	2.85E-04	2.85E-04	2.85E-04	2.85E-04
CHILD	CLOUD	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09
CHILD	VEG. ING	1.01E-02	5.11E-02	4.29E-02	4.29E-02	3.39E-02	0.00E+00
CHILD	MEAT ING	1.16E-03	5.78E-03	5.48E-03	5.48E-03	4.17E-03	0.00E+00
CHILD	MILK ING	2.49E-03	1.63E-02	7.39E-03	7.39E-03	7.39E-03	0.00E+00
CHILD	TOTALS	9.08E-02	4.38E-01	5.35E-01	9.14E-02	6.94E-02	2.85E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.82E-02	4.05E-01	2.47E-01	1.54E-02	1.18E-02	0.00E+00
TEENAGE	GROUND	2.85E-04	2.85E-04	2.85E-04	2.85E-04	2.85E-04	2.85E-04
TEENAGE	CLOUD	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09
TEENAGE	VEG. ING	1.65E-02	2.73E-01	3.82E-02	3.82E-02	3.46E-02	0.00E+00
TEENAGE	MEAT ING	1.83E-03	2.98E-02	4.80E-03	4.80E-03	4.15E-03	0.00E+00
TEENAGE	MILK ING	3.46E-03	7.28E-02	4.75E-03	4.75E-03	5.64E-03	0.00E+00
TEENAGE	TOTALS	7.03E-02	7.81E-01	2.95E-01	6.35E-02	5.65E-02	2.85E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.14E-02	3.80E-01	2.03E-01	1.27E-02	9.02E-03	0.00E+00
ADULT	GROUND	2.85E-04	2.85E-04	2.85E-04	2.85E-04	2.85E-04	2.85E-04
ADULT	CLOUD	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09
ADULT	VEG. ING	9.36E-03	1.15E-01	2.49E-02	2.49E-02	2.19E-02	0.00E+00
ADULT	MEAT ING	1.33E-03	1.64E-02	3.96E-03	3.96E-03	3.34E-03	0.00E+00
ADULT	MILK ING	6.66E-04	1.00E-02	1.18E-03	1.18E-03	1.30E-03	0.00E+00
ADULT	TOTALS	5.30E-02	5.21E-01	2.34E-01	4.31E-02	3.58E-02	2.85E-04

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.19E-01	4.48E-01	1.05E+00	1.73E-01	1.02E-01	8.30E-01
INFANT	GROUND	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02
INFANT	CLOUD	7.17E-03	7.17E-03	7.17E-03	7.17E-03	7.17E-03	7.17E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.42E-02	7.62E-02	4.36E-02	4.36E-02	5.43E-02	0.00E+00
INFANT	TOTALS	2.61E-01	5.43E-01	1.11E+00	2.34E-01	1.75E-01	8.49E-01
CHILD	INHAL.	1.29E-01	3.77E-01	4.80E-01	7.31E-02	3.91E-02	8.30E-01
CHILD	GROUND	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02
CHILD	CLOUD	7.17E-03	7.17E-03	7.17E-03	7.17E-03	7.17E-03	7.17E-03
CHILD	VEG. ING	1.31E-02	6.43E-02	5.84E-02	5.84E-02	4.53E-02	0.00E+00
CHILD	MEAT ING	1.54E-03	7.49E-03	7.49E-03	7.49E-03	5.64E-03	0.00E+00
CHILD	MILK ING	2.96E-03	1.85E-02	9.94E-03	9.94E-03	9.27E-03	0.00E+00
CHILD	TOTALS	1.65E-01	4.85E-01	5.74E-01	1.67E-01	1.18E-01	8.49E-01
TEENAGE	INHAL.	1.01E-01	4.35E-01	2.48E-01	3.16E-02	1.96E-02	8.30E-01
TEENAGE	GROUND	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02
TEENAGE	CLOUD	7.17E-03	7.17E-03	7.17E-03	7.17E-03	7.17E-03	7.17E-03
TEENAGE	VEG. ING	2.09E-02	3.37E-01	5.20E-02	5.20E-02	4.61E-02	0.00E+00
TEENAGE	MEAT ING	2.38E-03	3.80E-02	6.55E-03	6.55E-03	5.60E-03	0.00E+00
TEENAGE	MILK ING	3.98E-03	8.03E-02	6.37E-03	6.37E-03	6.99E-03	0.00E+00
TEENAGE	TOTALS	1.46E-01	9.09E-01	3.31E-01	1.15E-01	9.66E-02	8.49E-01
ADULT	INHAL.	9.34E-02	3.98E-01	2.04E-01	2.62E-02	1.55E-02	8.30E-01
ADULT	GROUND	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02
ADULT	CLOUD	7.17E-03	7.17E-03	7.17E-03	7.17E-03	7.17E-03	7.17E-03
ADULT	VEG. ING	1.20E-02	1.45E-01	3.39E-02	3.39E-02	2.92E-02	0.00E+00
ADULT	MEAT ING	1.76E-03	2.13E-02	5.41E-03	5.41E-03	4.53E-03	0.00E+00
ADULT	MILK ING	7.84E-04	1.14E-02	1.58E-03	1.58E-03	1.64E-03	0.00E+00
ADULT	TOTALS	1.26E-01	5.94E-01	2.63E-01	8.55E-02	6.93E-02	8.49E-01

NUMBER 12 NAME=Rawlins      X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.36E-02	8.91E-02	2.14E-01	1.81E-02	1.42E-02	0.00E+00
INFANT	GROUND	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05
INFANT	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.36E-03	1.45E-02	6.73E-03	6.73E-03	9.16E-03	0.00E+00
INFANT	TOTALS	3.80E-02	1.04E-01	2.21E-01	2.49E-02	2.35E-02	5.84E-05
CHILD	INHAL.	1.58E-02	7.51E-02	9.83E-02	7.29E-03	4.86E-03	0.00E+00
CHILD	GROUND	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05
CHILD	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
CHILD	VEG. ING	2.09E-03	1.05E-02	8.85E-03	8.85E-03	6.99E-03	0.00E+00
CHILD	MEAT ING	2.40E-04	1.19E-03	1.13E-03	1.13E-03	8.59E-04	0.00E+00
CHILD	MILK ING	5.12E-04	3.36E-03	1.52E-03	1.52E-03	1.52E-03	0.00E+00
CHILD	TOTALS	1.87E-02	9.03E-02	1.10E-01	1.89E-02	1.43E-02	5.84E-05
TEENAGE	INHAL.	9.91E-03	8.35E-02	5.07E-02	3.18E-03	2.44E-03	0.00E+00
TEENAGE	GROUND	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05
TEENAGE	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
TEENAGE	VEG. ING	3.41E-03	5.64E-02	7.88E-03	7.88E-03	7.14E-03	0.00E+00
TEENAGE	MEAT ING	3.77E-04	6.16E-03	9.89E-04	9.89E-04	8.56E-04	0.00E+00
TEENAGE	MILK ING	7.14E-04	1.50E-02	9.79E-04	9.79E-04	1.16E-03	0.00E+00
TEENAGE	TOTALS	1.45E-02	1.61E-01	6.06E-02	1.31E-02	1.17E-02	5.84E-05
ADULT	INHAL.	8.51E-03	7.83E-02	4.18E-02	2.62E-03	1.86E-03	0.00E+00
ADULT	GROUND	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05	5.84E-05
ADULT	CLOUD	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10	5.30E-10
ADULT	VEG. ING	1.93E-03	2.36E-02	5.14E-03	5.14E-03	4.51E-03	0.00E+00
ADULT	MEAT ING	2.75E-04	3.38E-03	8.17E-04	8.17E-04	6.90E-04	0.00E+00
ADULT	MILK ING	1.37E-04	2.07E-03	2.43E-04	2.43E-04	2.68E-04	0.00E+00
ADULT	TOTALS	1.09E-02	1.07E-01	4.80E-02	8.88E-03	7.39E-03	5.84E-05

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 253  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 5, 1,2,3,4, DURATION IN YRS IS... 3.0  
 NUMBER 12 NAME=Rawlins X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.82E-02	9.70E-02	2.15E-01	5.91E-02	3.02E-02	3.67E-01
INFANT	GROUND	2.35E-03	2.35E-03	2.35E-03	2.35E-03	2.35E-03	2.35E-03
INFANT	CLOUD	3.16E-03	3.16E-03	3.16E-03	3.16E-03	3.16E-03	3.16E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.80E-03	1.73E-02	1.20E-02	1.20E-02	1.38E-02	0.00E+00
INFANT	TOTALS	6.95E-02	1.20E-01	2.33E-01	7.66E-02	4.95E-02	3.73E-01
CHILD	INHAL.	3.91E-02	8.11E-02	9.87E-02	2.55E-02	1.24E-02	3.67E-01
CHILD	GROUND	2.35E-03	2.35E-03	2.35E-03	2.35E-03	2.35E-03	2.35E-03
CHILD	CLOUD	3.16E-03	3.16E-03	3.16E-03	3.16E-03	3.16E-03	3.16E-03
CHILD	VEG. ING	3.50E-03	1.69E-02	1.64E-02	1.64E-02	1.25E-02	0.00E+00
CHILD	MEAT ING	4.21E-04	2.02E-03	2.10E-03	2.10E-03	1.57E-03	0.00E+00
CHILD	MILK ING	7.43E-04	4.41E-03	2.76E-03	2.76E-03	2.43E-03	0.00E+00
CHILD	TOTALS	4.92E-02	1.10E-01	1.25E-01	5.22E-02	3.44E-02	3.73E-01
TEENAGE	INHAL.	3.32E-02	9.82E-02	5.09E-02	1.10E-02	6.19E-03	3.67E-01
TEENAGE	GROUND	2.35E-03	2.35E-03	2.35E-03	2.35E-03	2.35E-03	2.35E-03
TEENAGE	CLOUD	3.16E-03	3.16E-03	3.16E-03	3.16E-03	3.16E-03	3.16E-03
TEENAGE	VEG. ING	5.51E-03	8.72E-02	1.46E-02	1.46E-02	1.27E-02	0.00E+00
TEENAGE	MEAT ING	6.44E-04	1.01E-02	1.84E-03	1.84E-03	1.56E-03	0.00E+00
TEENAGE	MILK ING	9.61E-04	1.86E-02	1.77E-03	1.77E-03	1.81E-03	0.00E+00
TEENAGE	TOTALS	4.58E-02	2.20E-01	7.46E-02	3.47E-02	2.77E-02	3.73E-01
ADULT	INHAL.	3.16E-02	8.70E-02	4.19E-02	9.13E-03	4.99E-03	3.67E-01
ADULT	GROUND	2.35E-03	2.35E-03	2.35E-03	2.35E-03	2.35E-03	2.35E-03
ADULT	CLOUD	3.16E-03	3.16E-03	3.16E-03	3.16E-03	3.16E-03	3.16E-03
ADULT	VEG. ING	3.20E-03	3.83E-02	9.50E-03	9.50E-03	8.06E-03	0.00E+00
ADULT	MEAT ING	4.79E-04	5.74E-03	1.52E-03	1.52E-03	1.26E-03	0.00E+00
ADULT	MILK ING	1.95E-04	2.73E-03	4.39E-04	4.39E-04	4.28E-04	0.00E+00
ADULT	TOTALS	4.10E-02	1.39E-01	5.89E-02	2.61E-02	2.03E-02	3.73E-01



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 02/25/94  
 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 5, 1,2,3,4,

NUMBER 13 NAME=Special Receptor #1 X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.43E+02	4.54E+02	8.61E+02	9.23E+01	7.22E+01	0.00E+00
INFANT	GROUND	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01
INFANT	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.91E+01	6.49E+01	3.42E+01	3.42E+01	3.73E+01	0.00E+00
INFANT	TOTALS	1.62E+02	5.19E+02	8.96E+02	1.27E+02	1.10E+02	2.38E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.69E+01	3.83E+02	3.89E+02	3.72E+01	2.46E+01	0.00E+00
CHILD	GROUND	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01
CHILD	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
CHILD	VEG. ING	1.04E+01	5.25E+01	4.50E+01	4.50E+01	3.42E+01	0.00E+00
CHILD	MEAT ING	1.20E+00	6.00E+00	5.76E+00	5.76E+00	4.29E+00	0.00E+00
CHILD	MILK ING	2.41E+00	1.62E+01	7.75E+00	7.75E+00	6.61E+00	0.00E+00
CHILD	TOTALS	8.12E+01	4.58E+02	4.48E+02	9.60E+01	7.00E+01	2.38E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.35E+01	4.26E+02	2.00E+02	1.62E+01	1.23E+01	0.00E+00
TEENAGE	GROUND	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01
TEENAGE	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
TEENAGE	VEG. ING	1.70E+01	2.80E+02	4.01E+01	4.01E+01	3.49E+01	0.00E+00
TEENAGE	MEAT ING	1.90E+00	3.09E+01	5.03E+00	5.03E+00	4.27E+00	0.00E+00
TEENAGE	MILK ING	3.46E+00	7.23E+01	4.98E+00	4.98E+00	5.05E+00	0.00E+00
TEENAGE	TOTALS	6.61E+01	8.09E+02	2.50E+02	6.66E+01	5.67E+01	2.38E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.75E+01	4.00E+02	1.64E+02	1.34E+01	9.39E+00	0.00E+00
ADULT	GROUND	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01	2.38E-01
ADULT	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
ADULT	VEG. ING	9.69E+00	1.18E+02	2.62E+01	2.62E+01	2.21E+01	0.00E+00
ADULT	MEAT ING	1.39E+00	1.71E+01	4.16E+00	4.16E+00	3.45E+00	0.00E+00
ADULT	MILK ING	6.68E-01	1.01E+01	1.23E+00	1.23E+00	1.19E+00	0.00E+00
ADULT	TOTALS	4.95E+01	5.45E+02	1.96E+02	4.52E+01	3.64E+01	2.38E-01

REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 255  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 5, 1,2,3,4,    DURATION IN YRS IS... 3.0  
 NUMBER 13 NAME=Special Receptor #1    X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.70E+02	4.54E+02	8.61E+02	9.23E+01	7.22E+01	4.43E+02
INFANT	GROUND	1.11E+01	1.11E+01	1.11E+01	1.11E+01	1.11E+01	1.11E+01
INFANT	CLOUD	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.91E+01	6.49E+01	3.42E+01	3.42E+01	3.73E+01	0.00E+00
INFANT	TOTALS	2.00E+02	5.30E+02	9.07E+02	1.38E+02	1.21E+02	4.55E+02
CHILD	INHAL.	9.35E+01	3.83E+02	3.89E+02	3.72E+01	2.46E+01	4.43E+02
CHILD	GROUND	1.11E+01	1.11E+01	1.11E+01	1.11E+01	1.11E+01	1.11E+01
CHILD	CLOUD	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01
CHILD	VEG. ING	1.04E+01	5.25E+01	4.50E+01	4.50E+01	3.42E+01	0.00E+00
CHILD	MEAT ING	1.20E+00	6.00E+00	5.76E+00	5.76E+00	4.29E+00	0.00E+00
CHILD	MILK ING	2.41E+00	1.62E+01	7.75E+00	7.75E+00	6.61E+00	0.00E+00
CHILD	TOTALS	1.19E+02	4.69E+02	4.59E+02	1.07E+02	8.10E+01	4.55E+02
TEENAGE	INHAL.	7.01E+01	4.26E+02	2.00E+02	1.62E+01	1.23E+01	4.43E+02
TEENAGE	GROUND	1.11E+01	1.11E+01	1.11E+01	1.11E+01	1.11E+01	1.11E+01
TEENAGE	CLOUD	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01
TEENAGE	VEG. ING	1.70E+01	2.80E+02	4.01E+01	4.01E+01	3.49E+01	0.00E+00
TEENAGE	MEAT ING	1.90E+00	3.09E+01	5.03E+00	5.03E+00	4.27E+00	0.00E+00
TEENAGE	MILK ING	3.46E+00	7.23E+01	4.98E+00	4.98E+00	5.05E+00	0.00E+00
TEENAGE	TOTALS	1.04E+02	8.20E+02	2.61E+02	7.77E+01	6.78E+01	4.55E+02
ADULT	INHAL.	6.41E+01	4.00E+02	1.64E+02	1.34E+01	9.39E+00	4.43E+02
ADULT	GROUND	1.11E+01	1.11E+01	1.11E+01	1.11E+01	1.11E+01	1.11E+01
ADULT	CLOUD	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01
ADULT	VEG. ING	9.69E+00	1.18E+02	2.62E+01	2.62E+01	2.21E+01	0.00E+00
ADULT	MEAT ING	1.39E+00	1.71E+01	4.16E+00	4.16E+00	3.45E+00	0.00E+00
ADULT	MILK ING	6.68E-01	1.01E+01	1.23E+00	1.23E+00	1.19E+00	0.00E+00
ADULT	TOTALS	8.72E+01	5.56E+02	2.07E+02	5.62E+01	4.75E+01	4.55E+02

NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.89E+01	1.14E+02	2.41E+02	2.32E+01	1.82E+01	0.00E+00
INFANT	GROUND	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02
INFANT	CLOUD	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.13E+00	1.72E+01	8.61E+00	8.61E+00	1.04E+01	0.00E+00
INFANT	TOTALS	4.41E+01	1.31E+02	2.49E+02	3.18E+01	2.86E+01	6.61E-02
CHILD	INHAL.	1.82E+01	9.63E+01	1.10E+02	9.35E+00	6.21E+00	0.00E+00
CHILD	GROUND	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02
CHILD	CLOUD	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07
CHILD	VEG. ING	2.64E+00	1.33E+01	1.13E+01	1.13E+01	8.75E+00	0.00E+00
CHILD	MEAT ING	3.04E-01	1.52E+00	1.45E+00	1.45E+00	1.09E+00	0.00E+00
CHILD	MILK ING	6.27E-01	4.17E+00	1.95E+00	1.95E+00	1.78E+00	0.00E+00
CHILD	TOTALS	2.19E+01	1.15E+02	1.24E+02	2.41E+01	1.79E+01	6.61E-02
TEENAGE	INHAL.	1.17E+01	1.07E+02	5.64E+01	4.08E+00	3.11E+00	0.00E+00
TEENAGE	GROUND	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02
TEENAGE	CLOUD	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07
TEENAGE	VEG. ING	4.32E+00	7.11E+01	1.01E+01	1.01E+01	8.92E+00	0.00E+00
TEENAGE	MEAT ING	4.80E-01	7.82E+00	1.27E+00	1.27E+00	1.08E+00	0.00E+00
TEENAGE	MILK ING	8.87E-01	1.86E+01	1.25E+00	1.25E+00	1.36E+00	0.00E+00
TEENAGE	TOTALS	1.74E+01	2.05E+02	6.91E+01	1.68E+01	1.45E+01	6.61E-02
ADULT	INHAL.	1.00E+01	1.00E+02	4.63E+01	3.36E+00	2.37E+00	0.00E+00
ADULT	GROUND	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02	6.61E-02
ADULT	CLOUD	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07
ADULT	VEG. ING	2.45E+00	2.99E+01	6.58E+00	6.58E+00	5.65E+00	0.00E+00
ADULT	MEAT ING	3.51E-01	4.31E+00	1.05E+00	1.05E+00	8.74E-01	0.00E+00
ADULT	MILK ING	1.71E-01	2.58E+00	3.10E-01	3.10E-01	3.17E-01	0.00E+00
ADULT	TOTALS	1.31E+01	1.37E+02	5.43E+01	1.14E+01	9.28E+00	6.61E-02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 02/25/94  
 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 5, 1,2,3,4,

NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.67E+01	1.14E+02	2.41E+02	2.32E+01	1.82E+01	1.30E+02
INFANT	GROUND	2.86E+00	2.86E+00	2.86E+00	2.86E+00	2.86E+00	2.86E+00
INFANT	CLOUD	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.13E+00	1.72E+01	8.61E+00	8.61E+00	1.04E+01	0.00E+00
INFANT	TOTALS	5.49E+01	1.34E+02	2.52E+02	3.50E+01	3.17E+01	1.33E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.60E+01	9.63E+01	1.10E+02	9.37E+00	6.22E+00	1.30E+02
CHILD	GROUND	2.86E+00	2.86E+00	2.86E+00	2.86E+00	2.86E+00	2.86E+00
CHILD	CLOUD	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01
CHILD	VEG. ING	2.64E+00	1.33E+01	1.13E+01	1.13E+01	8.75E+00	0.00E+00
CHILD	MEAT ING	3.05E-01	1.52E+00	1.45E+00	1.45E+00	1.09E+00	0.00E+00
CHILD	MILK ING	6.27E-01	4.17E+00	1.95E+00	1.95E+00	1.78E+00	0.00E+00
CHILD	TOTALS	3.27E+01	1.18E+02	1.27E+02	2.72E+01	2.10E+01	1.33E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.94E+01	1.07E+02	5.64E+01	4.09E+00	3.11E+00	1.30E+02
TEENAGE	GROUND	2.86E+00	2.86E+00	2.86E+00	2.86E+00	2.86E+00	2.86E+00
TEENAGE	CLOUD	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01
TEENAGE	VEG. ING	4.32E+00	7.11E+01	1.01E+01	1.01E+01	8.93E+00	0.00E+00
TEENAGE	MEAT ING	4.80E-01	7.82E+00	1.27E+00	1.27E+00	1.08E+00	0.00E+00
TEENAGE	MILK ING	8.88E-01	1.86E+01	1.25E+00	1.25E+00	1.36E+00	0.00E+00
TEENAGE	TOTALS	2.82E+01	2.08E+02	7.21E+01	1.98E+01	1.76E+01	1.33E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.78E+01	1.00E+02	4.63E+01	3.37E+00	2.37E+00	1.30E+02
ADULT	GROUND	2.86E+00	2.86E+00	2.86E+00	2.86E+00	2.86E+00	2.86E+00
ADULT	CLOUD	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01
ADULT	VEG. ING	2.45E+00	3.00E+01	6.59E+00	6.59E+00	5.66E+00	0.00E+00
ADULT	MEAT ING	3.51E-01	4.31E+00	1.05E+00	1.05E+00	8.75E-01	0.00E+00
ADULT	MILK ING	1.71E-01	2.58E+00	3.11E-01	3.11E-01	3.17E-01	0.00E+00
ADULT	TOTALS	2.39E+01	1.40E+02	5.74E+01	1.44E+01	1.23E+01	1.33E+02

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.310E-03	1.410E-02	1.410E-02	1.407E-02	1.741E+02	1.602E+02	6.648E+01	2.621E+01	1.805E-05	5.999E-04
2.5	2.512E-03	5.607E-03	5.606E-03	5.593E-03	8.312E+01	7.935E+01	4.334E+01	2.404E+01	2.949E-05	3.911E-04
3.5	1.329E-03	2.870E-03	2.869E-03	2.863E-03	4.916E+01	4.794E+01	3.087E+01	2.091E+01	4.052E-05	2.839E-04
4.5	8.120E-04	1.707E-03	1.706E-03	1.703E-03	3.301E+01	3.256E+01	2.318E+01	1.754E+01	4.861E-05	2.165E-04
7.5	2.903E-04	6.071E-04	6.071E-04	6.057E-04	1.592E+01	1.588E+01	1.306E+01	1.119E+01	6.368E-05	1.243E-04
15.0	7.082E-05	1.477E-04	1.477E-04	1.474E-04	5.843E+00	5.846E+00	5.418E+00	4.990E+00	6.787E-05	5.210E-05
25.0	2.585E-05	5.384E-05	5.383E-05	5.371E-05	2.814E+00	2.816E+00	2.743E+00	2.641E+00	6.383E-05	2.666E-05
35.0	1.375E-05	2.864E-05	2.864E-05	2.857E-05	1.759E+00	1.760E+00	1.744E+00	1.713E+00	6.045E-05	1.704E-05
45.0	8.570E-06	1.786E-05	1.786E-05	1.781E-05	1.234E+00	1.235E+00	1.232E+00	1.222E+00	5.736E-05	1.208E-05
55.0	5.863E-06	1.222E-05	1.222E-05	1.219E-05	9.272E-01	9.277E-01	9.290E-01	9.261E-01	5.464E-05	9.120E-06
65.0	4.267E-06	8.900E-06	8.899E-06	8.879E-06	7.285E-01	7.290E-01	7.312E-01	7.310E-01	5.225E-05	7.185E-06
75.0	3.245E-06	6.773E-06	6.772E-06	6.757E-06	5.910E-01	5.914E-01	5.938E-01	5.946E-01	5.013E-05	5.837E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.929E+04	4.050E+04	4.036E+04	4.036E+04	0.000E+00	4.049E+04	4.049E+04	4.049E+04	1.847E+01
2.5	7.682E+03	1.610E+04	1.605E+04	1.605E+04	0.000E+00	1.611E+04	1.611E+04	1.611E+04	3.023E+01
3.5	4.065E+03	8.260E+03	8.231E+03	8.231E+03	0.000E+00	8.269E+03	8.269E+03	8.269E+03	4.154E+01
4.5	2.486E+03	4.921E+03	4.904E+03	4.904E+03	0.000E+00	4.930E+03	4.930E+03	4.930E+03	4.983E+01
7.5	8.889E+02	1.751E+03	1.745E+03	1.745E+03	0.000E+00	1.758E+03	1.758E+03	1.758E+03	6.530E+01
15.0	2.168E+02	4.262E+02	4.247E+02	4.247E+02	0.000E+00	4.294E+02	4.294E+02	4.294E+02	6.974E+01
25.0	7.914E+01	1.553E+02	1.548E+02	1.548E+02	0.000E+00	1.570E+02	1.570E+02	1.570E+02	6.573E+01
35.0	4.209E+01	8.263E+01	8.235E+01	8.235E+01	0.000E+00	8.374E+01	8.374E+01	8.374E+01	6.236E+01
45.0	2.624E+01	5.152E+01	5.134E+01	5.134E+01	0.000E+00	5.232E+01	5.232E+01	5.232E+01	5.924E+01
55.0	1.795E+01	3.526E+01	3.514E+01	3.514E+01	0.000E+00	3.588E+01	3.588E+01	3.588E+01	5.648E+01
65.0	1.307E+01	2.567E+01	2.559E+01	2.559E+01	0.000E+00	2.616E+01	2.616E+01	2.616E+01	5.404E+01
75.0	9.937E+00	1.954E+01	1.947E+01	1.947E+01	0.000E+00	1.994E+01	1.994E+01	1.994E+01	5.188E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	6.310E-05	1.410E-04	1.410E-04	1.407E-04
2.5	2.512E-05	5.607E-05	5.606E-05	5.602E-05
3.5	1.329E-05	2.870E-05	2.869E-05	2.875E-05
4.5	8.120E-06	1.707E-05	1.706E-05	1.717E-05
7.5	2.903E-06	6.071E-06	6.071E-06	6.248E-06
15.0	7.082E-07	1.477E-06	1.477E-06	1.677E-06
25.0	2.585E-07	5.384E-07	5.383E-07	7.286E-07
35.0	1.375E-07	2.864E-07	2.864E-07	4.671E-07
45.0	8.570E-08	1.786E-07	1.786E-07	3.502E-07
55.0	5.863E-08	1.222E-07	1.222E-07	2.858E-07
65.0	4.267E-08	8.900E-08	8.899E-08	2.455E-07
75.0	3.245E-08	6.773E-08	6.772E-08	2.179E-07

TIME STEP NUMBER 6. XS -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE NE DIRECTION, THETA EQUALS 45.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.102E-03	2.700E-02	2.700E-02	2.694E-02	3.541E+02	2.515E+02	4.436E+01	7.680E+00	2.050E-06	5.126E-04
2.5	2.939E-03	1.013E-02	1.013E-02	1.011E-02	1.540E+02	1.349E+02	5.135E+01	2.054E+01	1.519E-05	4.759E-04
3.5	1.540E-03	4.358E-03	4.358E-03	4.348E-03	7.279E+01	6.827E+01	3.493E+01	1.992E+01	2.792E-05	3.217E-04
4.5	9.563E-04	2.503E-03	2.503E-03	2.497E-03	4.604E+01	4.447E+01	2.653E+01	1.788E+01	3.864E-05	2.470E-04
7.5	3.572E-04	8.396E-04	8.396E-04	8.376E-04	1.913E+01	1.899E+01	1.397E+01	1.115E+01	5.413E-05	1.320E-04
15.0	9.328E-05	2.050E-04	2.050E-04	2.045E-04	6.365E+00	6.366E+00	5.591E+00	4.909E+00	5.807E-05	5.322E-05
25.0	3.522E-05	7.562E-05	7.562E-05	7.545E-05	2.956E+00	2.958E+00	2.809E+00	2.629E+00	5.452E-05	2.709E-05
35.0	1.883E-05	4.005E-05	4.005E-05	3.996E-05	1.815E+00	1.816E+00	1.776E+00	1.714E+00	5.159E-05	1.727E-05
45.0	1.176E-05	2.496E-05	2.496E-05	2.490E-05	1.268E+00	1.269E+00	1.257E+00	1.233E+00	4.920E-05	1.228E-05
55.0	8.051E-06	1.712E-05	1.712E-05	1.708E-05	9.555E-01	9.561E-01	9.531E-01	9.431E-01	4.725E-05	9.335E-06
65.0	5.862E-06	1.249E-05	1.248E-05	1.246E-05	7.525E-01	7.530E-01	7.532E-01	7.493E-01	4.544E-05	7.389E-06
75.0	4.460E-06	9.512E-06	9.512E-06	9.490E-06	6.117E-01	6.121E-01	6.135E-01	6.123E-01	4.377E-05	6.025E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	2.141E+04	7.557E+04	7.532E+04	7.532E+04	0.000E+00	7.552E+04	7.552E+04	7.552E+04	2.134E+00
2.5	8.888E+03	2.847E+04	2.838E+04	2.838E+04	0.000E+00	2.848E+04	2.848E+04	2.848E+04	1.560E+01
3.5	4.682E+03	1.235E+04	1.231E+04	1.231E+04	0.000E+00	1.237E+04	1.237E+04	1.237E+04	2.864E+01
4.5	2.914E+03	7.124E+03	7.100E+03	7.100E+03	0.000E+00	7.136E+03	7.136E+03	7.136E+03	3.961E+01
7.5	1.091E+03	2.404E+03	2.396E+03	2.396E+03	0.000E+00	2.411E+03	2.411E+03	2.411E+03	5.549E+01
15.0	2.853E+02	5.894E+02	5.874E+02	5.874E+02	0.000E+00	5.925E+02	5.925E+02	5.925E+02	5.966E+01
25.0	1.078E+02	2.178E+02	2.170E+02	2.170E+02	0.000E+00	2.194E+02	2.194E+02	2.194E+02	5.616E+01
35.0	5.763E+01	1.154E+02	1.150E+02	1.150E+02	0.000E+00	1.164E+02	1.164E+02	1.164E+02	5.323E+01
45.0	3.598E+01	7.192E+01	7.167E+01	7.167E+01	0.000E+00	7.268E+01	7.268E+01	7.268E+01	5.082E+01
55.0	2.464E+01	4.933E+01	4.916E+01	4.916E+01	0.000E+00	4.992E+01	4.992E+01	4.992E+01	4.885E+01
65.0	1.794E+01	3.597E+01	3.585E+01	3.585E+01	0.000E+00	3.644E+01	3.644E+01	3.644E+01	4.700E+01
75.0	1.365E+01	2.740E+01	2.731E+01	2.731E+01	0.000E+00	2.779E+01	2.779E+01	2.779E+01	4.530E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.102E-05	2.700E-04	2.700E-04	2.694E-04
2.5	2.939E-05	1.013E-04	1.013E-04	1.011E-04
3.5	1.540E-05	4.358E-05	4.358E-05	4.356E-05
4.5	9.563E-06	2.503E-05	2.503E-05	2.509E-05
7.5	3.572E-06	8.396E-06	8.396E-06	8.539E-06
15.0	9.328E-07	2.050E-06	2.050E-06	2.219E-06
25.0	3.522E-07	7.562E-07	7.562E-07	9.180E-07
35.0	1.883E-07	4.005E-07	4.005E-07	5.544E-07
45.0	1.176E-07	2.496E-07	2.496E-07	3.966E-07
55.0	8.051E-08	1.712E-07	1.712E-07	3.126E-07
65.0	5.862E-08	1.249E-07	1.248E-07	2.609E-07
75.0	4.460E-08	9.512E-08	9.512E-08	2.262E-07

TIME STEP NUMBER 6. XS -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.563E-03	8.029E-03	8.028E-03	8.010E-03	8.299E+01	5.466E+01	1.013E+01	2.093E+00	7.232E-07	1.155E-04
2.5	1.731E-03	5.129E-03	5.129E-03	5.117E-03	7.261E+01	6.168E+01	2.233E+01	9.198E+00	7.337E-06	2.110E-04
3.5	9.481E-04	2.487E-03	2.487E-03	2.481E-03	3.922E+01	3.640E+01	1.781E+01	1.016E+01	1.477E-05	1.657E-04
4.5	5.970E-04	1.484E-03	1.484E-03	1.480E-03	2.600E+01	2.502E+01	1.443E+01	9.662E+00	2.142E-05	1.350E-04
7.5	2.254E-04	5.188E-04	5.187E-04	5.175E-04	1.158E+01	1.150E+01	8.378E+00	6.648E+00	3.271E-05	7.912E-05
15.0	5.878E-05	1.287E-04	1.287E-04	1.284E-04	4.081E+00	4.082E+00	3.607E+00	3.176E+00	3.810E-05	3.434E-05
25.0	2.211E-05	4.751E-05	4.751E-05	4.740E-05	1.944E+00	1.945E+00	1.859E+00	1.749E+00	3.711E-05	1.795E-05
35.0	1.182E-05	2.517E-05	2.517E-05	2.511E-05	1.206E+00	1.207E+00	1.186E+00	1.150E+00	3.561E-05	1.154E-05
45.0	7.377E-06	1.563E-05	1.563E-05	1.560E-05	8.434E-01	8.439E-01	8.385E-01	8.256E-01	3.404E-05	8.200E-06
55.0	5.051E-06	1.071E-05	1.071E-05	1.068E-05	6.349E-01	6.353E-01	6.346E-01	6.299E-01	3.268E-05	6.222E-06
65.0	3.678E-06	7.814E-06	7.814E-06	7.796E-06	5.006E-01	5.009E-01	5.017E-01	5.003E-01	3.146E-05	4.926E-06
75.0	2.799E-06	5.956E-06	5.955E-06	5.942E-06	4.071E-01	4.074E-01	4.087E-01	4.086E-01	3.033E-05	4.016E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.089E+04	2.305E+04	2.297E+04	2.297E+04	0.000E+00	2.301E+04	2.301E+04	2.301E+04	7.633E-01	
2.5	5.259E+03	1.451E+04	1.446E+04	1.446E+04	0.000E+00	1.451E+04	1.451E+04	1.451E+04	7.544E+00	
3.5	2.869E+03	7.077E+03	7.053E+03	7.053E+03	0.000E+00	7.082E+03	7.082E+03	7.082E+03	1.515E+01	
4.5	1.821E+03	4.235E+03	4.221E+03	4.221E+03	0.000E+00	4.240E+03	4.240E+03	4.240E+03	2.196E+01	
7.5	6.888E+02	1.487E+03	1.482E+03	1.482E+03	0.000E+00	1.491E+03	1.491E+03	1.491E+03	3.353E+01	
15.0	1.798E+02	3.700E+02	3.688E+02	3.688E+02	0.000E+00	3.720E+02	3.720E+02	3.720E+02	3.913E+01	
25.0	6.765E+01	1.368E+02	1.363E+02	1.363E+02	0.000E+00	1.379E+02	1.379E+02	1.379E+02	3.821E+01	
35.0	3.617E+01	7.251E+01	7.226E+01	7.226E+01	0.000E+00	7.322E+01	7.322E+01	7.322E+01	3.673E+01	
45.0	2.258E+01	4.506E+01	4.490E+01	4.490E+01	0.000E+00	4.557E+01	4.557E+01	4.557E+01	3.515E+01	
55.0	1.546E+01	3.086E+01	3.076E+01	3.076E+01	0.000E+00	3.126E+01	3.126E+01	3.126E+01	3.377E+01	
65.0	1.126E+01	2.252E+01	2.244E+01	2.244E+01	0.000E+00	2.284E+01	2.284E+01	2.284E+01	3.253E+01	
75.0	8.567E+00	1.716E+01	1.710E+01	1.710E+01	0.000E+00	1.742E+01	1.742E+01	1.742E+01	3.137E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.563E-05	8.029E-05	8.028E-05	8.010E-05
2.5	1.731E-05	5.129E-05	5.129E-05	5.119E-05
3.5	9.481E-06	2.487E-05	2.487E-05	2.485E-05
4.5	5.970E-06	1.484E-05	1.484E-05	1.487E-05
7.5	2.254E-06	5.188E-06	5.187E-06	5.274E-06
15.0	5.878E-07	1.287E-06	1.287E-06	1.398E-06
25.0	2.211E-07	4.751E-07	4.751E-07	5.853E-07
35.0	1.182E-07	2.517E-07	2.517E-07	3.579E-07
45.0	7.377E-08	1.563E-07	1.563E-07	2.581E-07
55.0	5.051E-08	1.071E-07	1.071E-07	2.049E-07
65.0	3.678E-08	7.814E-08	7.814E-08	1.723E-07
75.0	2.799E-08	5.956E-08	5.955E-08	1.504E-07

TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.218E-04	2.535E-03	2.535E-03	2.529E-03	4.556E+01	4.368E+01	2.280E+01	1.230E+01	1.491E-05	2.065E-04
2.5	3.135E-04	9.970E-04	9.969E-04	9.946E-04	2.079E+01	2.040E+01	1.304E+01	8.692E+00	1.669E-05	1.196E-04
3.5	1.650E-04	4.940E-04	4.939E-04	4.928E-04	1.188E+01	1.177E+01	8.508E+00	6.403E+00	1.761E-05	7.915E-05
4.5	9.908E-05	2.964E-04	2.964E-04	2.957E-04	8.217E+00	8.178E+00	6.364E+00	5.133E+00	1.874E-05	5.984E-05
7.5	3.179E-05	9.393E-05	9.392E-05	9.371E-05	3.677E+00	3.675E+00	3.212E+00	2.843E+00	1.913E-05	3.067E-05
15.0	6.043E-06	1.700E-05	1.700E-05	1.696E-05	1.176E+00	1.177E+00	1.130E+00	1.074E+00	1.649E-05	1.095E-05
25.0	1.836E-06	4.716E-06	4.716E-06	4.705E-06	5.117E-01	5.120E-01	5.074E-01	4.991E-01	1.591E-05	4.96E-06
35.0	8.785E-07	2.087E-06	2.087E-06	2.082E-06	3.000E-01	3.002E-01	3.001E-01	2.987E-01	1.238E-05	2.945E-06
45.0	5.083E-07	1.139E-06	1.139E-06	1.136E-06	2.020E-01	2.021E-01	2.027E-01	2.026E-01	1.131E-05	1.991E-06
55.0	3.280E-07	7.036E-07	7.035E-07	7.019E-07	1.473E-01	1.474E-01	1.480E-01	1.482E-01	1.049E-05	1.455E-06
65.0	2.274E-07	4.716E-07	4.716E-07	4.705E-07	1.131E-01	1.132E-01	1.137E-01	1.140E-01	9.837E-06	1.118E-06
75.0	1.661E-07	3.365E-07	3.365E-07	3.358E-07	9.031E-02	9.037E-02	9.081E-02	9.110E-02	9.317E-06	8.933E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	2.182E+03	7.117E+03	7.093E+03	7.093E+03	0.000E+00	7.128E+03	7.128E+03	7.128E+03	1.521E+01	
2.5	9.505E+02	2.811E+03	2.802E+03	2.802E+03	0.000E+00	2.818E+03	2.818E+03	2.818E+03	1.704E+01	
3.5	5.011E+02	1.397E+03	1.392E+03	1.392E+03	0.000E+00	1.401E+03	1.401E+03	1.401E+03	1.799E+01	
4.5	3.009E+02	8.379E+02	8.351E+02	8.351E+02	0.000E+00	8.416E+02	8.416E+02	8.416E+02	1.915E+01	
7.5	9.657E+01	2.657E+02	2.648E+02	2.648E+02	0.000E+00	2.677E+02	2.677E+02	2.677E+02	1.957E+01	
15.0	1.838E+01	4.822E+01	4.806E+01	4.806E+01	0.000E+00	4.899E+01	4.899E+01	4.899E+01	1.691E+01	
25.0	5.598E+00	1.344E+01	1.339E+01	1.339E+01	0.000E+00	1.380E+01	1.380E+01	1.380E+01	1.430E+01	
35.0	2.683E+00	5.972E+00	5.952E+00	5.952E+00	0.000E+00	6.189E+00	6.189E+00	6.189E+00	1.276E+01	
45.0	1.554E+00	3.271E+00	3.260E+00	3.260E+00	0.000E+00	3.420E+00	3.420E+00	3.420E+00	1.166E+01	
55.0	1.004E+00	2.026E+00	2.019E+00	2.019E+00	0.000E+00	2.136E+00	2.136E+00	2.136E+00	1.083E+01	
65.0	6.964E-01	1.361E+00	1.357E+00	1.357E+00	0.000E+00	1.446E+00	1.446E+00	1.446E+00	1.017E+01	
75.0	5.089E-01	9.728E-01	9.695E-01	9.695E-01	0.000E+00	1.041E+00	1.041E+00	1.041E+00	9.637E+00	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	7.218E-06	2.535E-05	2.535E-05	2.533E-05
2.5	3.135E-06	9.970E-06	9.969E-06	9.997E-06
3.5	1.650E-06	4.940E-06	4.939E-06	4.981E-06
4.5	9.908E-07	2.964E-06	2.964E-06	3.013E-06
7.5	3.179E-07	9.393E-07	9.392E-07	9.945E-07
15.0	6.043E-08	1.700E-07	1.700E-07	2.191E-07
25.0	1.836E-08	4.716E-08	4.716E-08	8.879E-08
35.0	8.785E-09	2.087E-08	2.087E-08	5.797E-08
45.0	5.083E-09	1.139E-08	1.139E-08	4.528E-08
55.0	3.280E-09	7.036E-09	7.035E-09	3.849E-08
65.0	2.274E-09	4.716E-09	4.716E-09	3.422E-08
75.0	1.661E-09	3.365E-09	3.365E-09	3.131E-08



TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.184E-03	4.786E-03	4.786E-03	4.775E-03	4.964E+01	4.793E+01	2.905E+01	1.770E+01	2.581E-05	2.627E-04
2.5	1.441E-03	2.298E-03	2.298E-03	2.293E-03	3.185E+01	3.137E+01	2.217E+01	1.609E+01	3.624E-05	2.047E-04
3.5	7.925E-04	1.313E-03	1.313E-03	1.310E-03	2.251E+01	2.235E+01	1.725E+01	1.379E+01	4.360E-05	1.619E-04
4.5	4.909E-04	8.357E-04	8.356E-04	8.337E-04	1.699E+01	1.693E+01	1.382E+01	1.166E+01	4.855E-05	1.310E-04
7.5	1.736E-04	3.113E-04	3.113E-04	3.106E-04	9.178E+00	9.176E+00	8.161E+00	7.363E+00	5.510E-05	7.829E-05
15.0	4.014E-05	7.681E-05	7.680E-05	7.663E-05	3.760E+00	3.762E+00	3.607E+00	3.425E+00	5.539E-05	3.494E-05
25.0	1.412E-05	2.802E-05	2.802E-05	2.795E-05	1.909E+00	1.910E+00	1.888E+00	1.849E+00	5.183E-05	1.844E-05
35.0	7.464E-06	1.499E-05	1.498E-05	1.495E-05	1.220E+00	1.221E+00	1.218E+00	1.209E+00	4.900E-05	1.194E-05
45.0	4.634E-06	9.363E-06	9.363E-06	9.341E-06	8.667E-01	8.673E-01	8.689E-01	8.671E-01	4.647E-05	8.533E-06
55.0	3.158E-06	6.438E-06	6.437E-06	6.422E-06	6.610E-01	6.614E-01	6.638E-01	6.642E-01	4.456E-05	6.524E-06
65.0	2.287E-06	4.695E-06	4.695E-06	4.684E-06	5.251E-01	5.255E-01	5.278E-01	5.289E-01	4.285E-05	5.190E-06
75.0	1.729E-06	3.569E-06	3.569E-06	3.561E-06	4.293E-01	4.295E-01	4.316E-01	4.328E-01	4.127E-05	4.245E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	9.801E+03	1.416E+04	1.411E+04	1.411E+04	0.000E+00	1.415E+04	1.415E+04	1.415E+04	2.638E+01	
2.5	4.431E+03	6.765E+03	6.741E+03	6.741E+03	0.000E+00	6.766E+03	6.766E+03	6.766E+03	3.708E+01	
3.5	2.436E+03	3.853E+03	3.840E+03	3.840E+03	0.000E+00	3.857E+03	3.857E+03	3.857E+03	4.464E+01	
4.5	1.508E+03	2.447E+03	2.438E+03	2.438E+03	0.000E+00	2.452E+03	2.452E+03	2.452E+03	4.972E+01	
7.5	5.330E+02	9.079E+02	9.047E+02	9.047E+02	0.000E+00	9.120E+02	9.120E+02	9.120E+02	5.648E+01	
15.0	1.231E+02	2.229E+02	2.221E+02	2.221E+02	0.000E+00	2.251E+02	2.251E+02	2.251E+02	5.690E+01	
25.0	4.329E+01	8.111E+01	8.083E+01	8.083E+01	0.000E+00	8.234E+01	8.234E+01	8.234E+01	5.336E+01	
35.0	2.287E+01	4.334E+01	4.319E+01	4.319E+01	0.000E+00	4.416E+01	4.416E+01	4.416E+01	5.053E+01	
45.0	1.420E+01	2.707E+01	2.698E+01	2.698E+01	0.000E+00	2.766E+01	2.766E+01	2.766E+01	4.799E+01	
55.0	9.673E+00	1.860E+01	1.854E+01	1.854E+01	0.000E+00	1.906E+01	1.906E+01	1.906E+01	4.605E+01	
65.0	7.005E+00	1.356E+01	1.351E+01	1.351E+01	0.000E+00	1.393E+01	1.393E+01	1.393E+01	4.431E+01	
75.0	5.296E+00	1.030E+01	1.027E+01	1.027E+01	0.000E+00	1.061E+01	1.061E+01	1.061E+01	4.270E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	3.184E-05	4.786E-05	4.786E-05	4.783E-05
2.5	1.441E-05	2.298E-05	2.298E-05	2.304E-05
3.5	7.925E-06	1.313E-05	1.313E-05	1.323E-05
4.5	4.909E-06	8.357E-06	8.356E-06	8.483E-06
7.5	1.736E-06	3.113E-06	3.113E-06	3.271E-06
15.0	4.014E-07	7.681E-07	7.680E-07	9.324E-07
25.0	1.412E-07	2.802E-07	2.802E-07	4.350E-07
35.0	7.464E-08	1.499E-07	1.498E-07	2.965E-07
45.0	4.634E-08	9.363E-08	9.363E-08	2.328E-07
55.0	3.158E-08	6.438E-08	6.437E-08	1.979E-07
65.0	2.287E-08	4.695E-08	4.695E-08	1.754E-07
75.0	1.729E-08	3.569E-08	3.569E-08	1.594E-07

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.020E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.674E-02	9.393E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.789E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.200E-01	5.024E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.890E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.776E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.799E-04	1.022E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.165E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.146E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.573E-01 PERSON-REM/YR

TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.149E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.528E-01	8.543E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.291E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.088E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.549E-02
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.394E-03	9.084E-04	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.920E-02
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.711E-03	0.000E+00

TOTAL DOSE COMMITMENT IS 1.425E+00 PERSON-REM/YR

TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.226E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.794E-02	4.257E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.676E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.357E-01	2.191E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.734E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.307E-03	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.639E-03	4.174E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.413E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.699E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.994E-01 PERSON-REM/YR

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.879E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.445E-01	3.329E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.997E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.744E+00	1.625E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.637E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.387E-02	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.975E-02	5.716E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.233E-01	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.015E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 5.226E+00 PERSON-REM/YR

TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.813E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.148E-03	2.818E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.775E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.537E-02	-4.45E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.166E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.648E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.077E-04	2.762E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.615E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.132E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.623E-02 PERSON-REM/YR

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.271E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.525E-03	2.842E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.669E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.237E-02	1.417E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.379E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.613E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.723E-04	5.019E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.087E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.766E-04	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.509E-02 PERSON-REM/YR

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.574E-02	1.708E-02	1.227E-02	9.425E-03	2.844E-02	2.984E-02	2.083E-02	1.806E-02	1.692E-02	1.649E-02	1.643E-02	1.656E-02
NNE	3.415E-02	2.440E-02	1.513E-02	1.148E-02	3.292E-02	3.360E-02	2.281E-02	1.911E-02	1.736E-02	1.649E-02	1.612E-02	1.607E-02
NE	4.856E-02	3.046E-02	1.844E-02	1.368E-02	3.881E-02	3.984E-02	2.680E-02	2.206E-02	1.980E-02	1.865E-02	1.804E-02	1.775E-02
ENE	4.199E-02	3.071E-02	1.842E-02	1.296E-02	3.419E-02	3.325E-02	2.232E-02	1.869E-02	1.695E-02	1.605E-02	1.561E-02	1.543E-02
E	1.465E-02	1.548E-02	1.055E-02	8.121E-03	2.399E-02	2.507E-02	1.704E-02	1.417E-02	1.280E-02	1.214E-02	1.183E-02	1.172E-02
ESE	5.939E-03	5.870E-03	5.180E-03	4.421E-03	1.532E-02	1.825E-02	1.284E-02	1.056E-02	9.320E-03	8.581E-03	8.120E-03	7.838E-03
SE	3.664E-03	1.779E-03	1.407E-03	1.227E-03	4.574E-03	5.796E-03	4.235E-03	3.559E-03	3.201E-03	2.996E-03	2.877E-03	2.809E-03
SSE	2.717E-03	1.551E-03	5.686E-04	4.163E-04	1.066E-03	9.664E-04	6.436E-04	5.329E-04	4.743E-04	4.380E-04	4.134E-04	3.959E-04
S	4.573E-03	3.013E-03	2.101E-03	1.631E-03	4.448E-03	3.763E-03	2.388E-03	2.082E-03	2.027E-03	2.063E-03	2.138E-03	2.235E-03
SSW	7.211E-03	5.765E-03	4.717E-03	3.936E-03	1.287E-02	1.411E-02	9.686E-03	8.146E-03	7.212E-03	7.187E-03	7.290E-03	7.290E-03
SW	8.790E-03	7.341E-03	6.084E-03	5.147E-03	1.741E-02	1.991E-02	1.398E-02	1.188E-02	1.103E-02	1.073E-02	1.069E-02	1.081E-02
WSW	8.630E-03	6.874E-03	5.488E-03	4.501E-03	1.427E-02	1.542E-02	1.118E-02	1.011E-02	9.784E-03	9.792E-03	9.966E-03	1.023E-02
W	8.896E-03	7.117E-03	5.702E-03	4.686E-03	1.490E-02	1.639E-02	1.214E-02	1.113E-02	1.091E-02	1.108E-02	1.141E-02	1.180E-02
WNN	1.224E-02	9.371E-03	7.535E-03	6.201E-03	1.969E-02	2.142E-02	1.565E-02	1.425E-02	1.396E-02	1.413E-02	1.452E-02	1.509E-02
NW	1.418E-02	1.156E-02	8.733E-03	7.124E-03	2.242E-02	2.415E-02	1.709E-02	1.506E-02	1.430E-02	1.409E-02	1.416E-02	1.438E-02
NNW	1.706E-02	1.315E-02	9.389E-03	7.448E-03	2.273E-02	2.396E-02	1.692E-02	1.483E-02	1.401E-02	1.373E-02	1.373E-02	1.389E-02

TOTAL DOSE COMMITMENT IS 2.442E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 6. XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.111E-01	2.064E-01	1.483E-01	1.139E-01	3.431E-01	3.575E-01	2.467E-01	2.115E-01	1.962E-01	1.896E-01	1.876E-01	1.881E-01
NNE	4.121E-01	2.943E-01	1.826E-01	1.386E-01	3.971E-01	4.032E-01	2.712E-01	2.250E-01	2.027E-01	1.909E-01	1.854E-01	1.836E-01
NE	5.853E-01	3.673E-01	2.226E-01	1.652E-01	4.683E-01	4.788E-01	3.196E-01	2.609E-01	2.322E-01	2.170E-01	2.086E-01	2.040E-01
ENE	5.060E-01	3.701E-01	2.221E-01	1.564E-01	4.124E-01	3.993E-01	2.658E-01	2.205E-01	1.983E-01	1.864E-01	1.800E-01	1.768E-01
E	1.771E-01	1.867E-01	1.273E-01	9.806E-02	2.895E-01	3.013E-01	2.030E-01	1.673E-01	1.498E-01	1.410E-01	1.365E-01	1.343E-01
ESE	7.203E-02	7.106E-02	6.266E-02	5.346E-02	1.851E-01	2.198E-01	1.537E-01	1.256E-01	1.102E-01	1.008E-01	9.483E-02	9.104E-02
SE	4.425E-02	2.156E-02	1.705E-02	1.486E-02	5.530E-02	6.975E-02	5.060E-02	4.218E-02	3.765E-02	3.499E-02	3.338E-02	3.242E-02
SSE	3.269E-02	1.865E-02	6.846E-03	5.009E-03	1.280E-02	1.149E-02	7.581E-03	6.233E-03	5.516E-03	5.068E-03	4.763E-03	4.544E-03
S	5.513E-02	3.633E-02	2.533E-02	1.966E-02	5.345E-02	4.463E-02	2.772E-02	2.375E-02	2.285E-02	2.307E-02	2.378E-02	2.476E-02
SSW	8.726E-02	6.974E-02	5.704E-02	4.757E-02	1.552E-01	1.690E-01	1.147E-01	9.530E-02	8.660E-02	8.269E-02	8.177E-02	8.243E-02
SW	1.066E-01	8.893E-02	7.366E-02	6.228E-02	2.102E-01	2.387E-01	1.656E-01	1.392E-01	1.278E-01	1.231E-01	1.218E-01	1.224E-01
WSW	1.046E-01	8.323E-02	6.641E-02	5.444E-02	1.722E-01	1.843E-01	1.318E-01	1.176E-01	1.126E-01	1.117E-01	1.129E-01	1.152E-01
W	1.079E-01	8.622E-02	6.903E-02	5.669E-02	1.798E-01	1.956E-01	1.426E-01	1.291E-01	1.252E-01	1.261E-01	1.289E-01	1.327E-01
WNW	1.483E-01	1.135E-01	9.122E-02	7.502E-02	2.375E-01	2.556E-01	1.837E-01	1.650E-01	1.598E-01	1.603E-01	1.636E-01	1.692E-01
NW	1.718E-01	1.399E-01	1.056E-01	8.613E-02	2.705E-01	2.889E-01	2.018E-01	1.757E-01	1.651E-01	1.613E-01	1.610E-01	1.626E-01
NNW	2.064E-01	1.590E-01	1.135E-01	9.000E-02	2.742E-01	2.868E-01	2.000E-01	1.734E-01	1.622E-01	1.576E-01	1.566E-01	1.575E-01

TOTAL DOSE COMMITMENT IS 2.892E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 6, XS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.057E-02	7.012E-03	5.036E-03	3.868E-03	1.170E-02	1.240E-02	8.803E-03	7.755E-03	7.366E-03	7.261E-03	7.300E-03	7.417E-03
NNE	1.406E-02	1.005E-02	6.222E-03	4.722E-03	1.355E-02	1.394E-02	9.588E-03	8.141E-03	7.491E-03	7.192E-03	7.100E-03	7.132E-03
NE	2.005E-02	1.257E-02	7.595E-03	5.631E-03	1.598E-02	1.649E-02	1.122E-02	9.347E-03	8.486E-03	8.080E-03	7.890E-03	7.825E-03
ENE	1.735E-02	1.269E-02	7.598E-03	5.341E-03	1.408E-02	1.377E-02	9.358E-03	7.939E-03	7.289E-03	6.979E-03	6.850E-03	6.823E-03
E	6.013E-03	6.375E-03	4.339E-03	3.340E-03	9.871E-03	1.038E-02	7.142E-03	6.018E-03	5.504E-03	5.277E-03	5.193E-03	5.183E-03
ESE	2.419E-03	2.402E-03	2.122E-03	1.812E-03	6.287E-03	7.530E-03	5.341E-03	4.432E-03	3.950E-03	3.670E-03	3.501E-03	3.405E-03
SE	1.506E-03	7.263E-04	5.741E-04	5.010E-04	1.874E-03	2.393E-03	1.768E-03	1.503E-03	1.367E-03	1.292E-03	1.252E-03	1.232E-03
SSE	1.127E-03	6.428E-04	2.352E-04	1.723E-04	4.430E-04	4.065E-04	2.743E-04	2.293E-04	2.057E-04	1.912E-04	1.816E-04	1.748E-04
S	1.887E-03	1.243E-03	8.666E-04	6.735E-04	1.844E-03	1.589E-03	1.038E-03	9.261E-04	9.157E-04	9.418E-04	9.830E-04	1.033E-03
SSW	2.951E-03	2.361E-03	1.933E-03	1.614E-03	5.293E-03	5.864E-03	4.096E-03	3.504E-03	3.268E-03	3.188E-03	3.209E-03	3.282E-03
SW	3.584E-03	2.997E-03	2.487E-03	2.106E-03	7.148E-03	8.262E-03	5.901E-03	5.102E-03	4.807E-03	4.733E-03	4.766E-03	4.857E-03
WSW	3.523E-03	2.809E-03	2.245E-03	1.844E-03	5.868E-03	6.427E-03	4.761E-03	4.381E-03	4.304E-03	4.357E-03	4.475E-03	4.624E-03
W	3.626E-03	2.905E-03	2.331E-03	1.918E-03	6.129E-03	6.850E-03	5.189E-03	4.848E-03	4.821E-03	4.951E-03	5.141E-03	5.355E-03
WNW	4.992E-03	3.825E-03	3.080E-03	2.538E-03	8.096E-03	8.949E-03	6.695E-03	6.219E-03	6.184E-03	6.331E-03	6.563E-03	6.868E-03
NW	5.789E-03	4.733E-03	3.576E-03	2.920E-03	9.224E-03	1.006E-02	7.258E-03	6.505E-03	6.264E-03	6.242E-03	6.330E-03	6.476E-03
NNW	6.986E-03	5.397E-03	3.852E-03	3.057E-03	9.357E-03	9.973E-03	7.166E-03	6.383E-03	6.112E-03	6.059E-03	6.116E-03	6.232E-03

TOTAL DOSE COMMITMENT IS 1.032E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.300E-01	8.626E-02	6.195E-02	4.758E-02	1.437E-01	1.513E-01	1.063E-01	9.272E-02	8.733E-02	8.549E-02	8.547E-02	8.644E-02
NNE	1.729E-01	1.236E-01	7.651E-02	5.805E-02	1.664E-01	1.703E-01	1.162E-01	9.781E-02	8.931E-02	8.517E-02	8.359E-02	8.356E-02
NE	2.464E-01	1.545E-01	9.338E-02	6.923E-02	1.963E-01	2.018E-01	1.363E-01	1.127E-01	1.016E-01	9.608E-02	9.330E-02	9.207E-02
ENE	2.132E-01	1.559E-01	9.338E-02	6.565E-02	1.730E-01	1.685E-01	1.136E-01	9.556E-02	8.707E-02	8.282E-02	8.083E-02	8.012E-02
E	7.398E-02	7.838E-02	5.335E-02	4.107E-02	1.213E-01	1.270E-01	8.669E-02	7.246E-02	6.576E-02	6.263E-02	6.127E-02	6.086E-02
ESE	2.981E-02	2.957E-02	2.612E-02	2.230E-02	7.731E-02	9.231E-02	6.513E-02	5.374E-02	4.762E-02	4.399E-02	4.176E-02	4.043E-02
SE	1.853E-02	8.947E-03	7.071E-03	6.169E-03	2.305E-02	2.931E-02	2.151E-02	1.816E-02	1.640E-02	1.541E-02	1.485E-02	1.454E-02
SSE	1.383E-02	7.890E-03	2.887E-03	2.114E-03	5.418E-03	4.928E-03	3.296E-03	2.739E-03	2.445E-03	2.263E-03	2.141E-03	2.055E-03
S	2.319E-02	1.527E-02	1.065E-02	8.269E-03	2.258E-02	1.922E-02	1.233E-02	1.084E-02	1.061E-02	1.085E-02	1.127E-02	1.181E-02
SSW	3.633E-02	2.905E-02	2.379E-02	1.986E-02	6.498E-02	7.153E-02	4.943E-02	4.185E-02	3.867E-02	3.744E-02	3.746E-02	3.812E-02
SW	4.415E-02	3.691E-02	3.062E-02	2.591E-02	8.780E-02	1.008E-01	7.128E-02	6.099E-02	5.695E-02	5.565E-02	5.570E-02	5.649E-02
WSW	4.339E-02	3.459E-02	2.763E-02	2.268E-02	7.202E-02	7.823E-02	5.722E-02	5.207E-02	5.070E-02	5.097E-02	5.206E-02	5.357E-02
W	4.468E-02	3.578E-02	2.869E-02	2.360E-02	7.521E-02	8.326E-02	6.220E-02	5.746E-02	5.664E-02	5.778E-02	5.968E-02	6.191E-02
WNW	6.150E-02	4.711E-02	3.791E-02	3.122E-02	9.935E-02	1.088E-01	8.020E-02	7.361E-02	7.253E-02	7.373E-02	7.604E-02	7.926E-02
NW	7.131E-02	5.826E-02	4.400E-02	3.592E-02	1.132E-01	1.226E-01	8.737E-02	7.750E-02	7.398E-02	7.321E-02	7.384E-02	7.521E-02
NNW	8.599E-02	6.639E-02	4.738E-02	3.760E-02	1.149E-01	1.216E-01	8.640E-02	7.620E-02	7.236E-02	7.124E-02	7.152E-02	7.254E-02

TOTAL DOSE COMMITMENT IS 1.246E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
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TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	8.060E-04	5.347E-04	3.850E-04	2.961E-04	8.879E-04	9.051E-04	6.009E-04	4.956E-04	4.435E-04	4.151E-04	3.995E-04	3.912E-04
NNE	1.047E-03	7.452E-04	4.676E-04	3.559E-04	1.021E-03	1.024E-03	6.690E-04	5.374E-04	4.689E-04	4.290E-04	4.056E-04	3.922E-04
NE	1.461E-03	9.218E-04	5.657E-04	4.220E-04	1.203E-03	1.220E-03	7.954E-04	6.315E-04	5.462E-04	4.966E-04	4.652E-04	4.445E-04
ENE	1.259E-03	9.211E-04	5.591E-04	3.965E-04	1.055E-03	1.015E-03	6.587E-04	5.301E-04	4.624E-04	4.223E-04	3.974E-04	3.814E-04
E	4.584E-04	4.733E-04	3.255E-04	2.516E-04	7.451E-04	7.671E-04	5.034E-04	4.026E-04	3.497E-04	3.197E-04	3.014E-04	2.898E-04
ESE	1.949E-04	1.876E-04	1.641E-04	1.398E-04	4.818E-04	5.660E-04	3.885E-04	3.108E-04	2.667E-04	2.387E-04	2.198E-04	2.068E-04
SE	1.135E-04	5.767E-05	4.571E-05	3.964E-05	1.456E-04	1.799E-04	1.271E-04	1.031E-04	8.957E-05	8.108E-05	7.548E-05	7.165E-05
SSE	7.969E-05	4.555E-05	1.703E-05	1.247E-05	3.180E-05	2.805E-05	1.803E-05	1.449E-05	1.258E-05	1.135E-05	1.050E-05	9.863E-06
S	1.382E-04	9.156E-05	6.402E-05	4.959E-05	1.338E-04	1.075E-04	6.230E-05	5.017E-05	4.602E-05	4.488E-05	4.512E-05	4.615E-05
SSW	2.299E-04	1.834E-04	1.495E-04	1.243E-04	4.026E-04	4.286E-04	2.795E-04	2.227E-04	1.944E-04	1.791E-04	1.717E-04	1.686E-04
SW	2.869E-04	2.378E-04	1.960E-04	1.650E-04	5.513E-04	6.094E-04	4.059E-04	3.270E-04	2.884E-04	2.680E-04	2.572E-04	2.518E-04
WSW	2.796E-04	2.213E-04	1.758E-04	1.437E-04	4.496E-04	4.661E-04	3.167E-04	2.692E-04	2.474E-04	2.370E-04	2.328E-04	2.321E-04
W	2.910E-04	2.308E-04	1.838E-04	1.502E-04	4.699E-04	4.918E-04	3.388E-04	2.920E-04	2.717E-04	2.643E-04	2.628E-04	2.644E-04
WNW	3.982E-04	3.040E-04	2.429E-04	1.988E-04	6.213E-04	6.428E-04	4.354E-04	3.710E-04	3.437E-04	3.325E-04	3.299E-04	3.333E-04
NW	4.595E-04	3.688E-04	2.783E-04	2.261E-04	7.035E-04	7.298E-04	4.871E-04	4.062E-04	3.672E-04	3.469E-04	3.366E-04	3.319E-04
NNW	5.421E-04	4.128E-04	2.956E-04	2.341E-04	7.088E-04	7.237E-04	4.847E-04	4.037E-04	3.641E-04	3.428E-04	3.314E-04	3.256E-04

TOTAL DOSE COMMITMENT IS 7.033E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
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TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.084E-02	7.189E-03	5.170E-03	3.971E-03	1.187E-02	1.194E-02	7.734E-03	6.213E-03	5.417E-03	4.948E-03	4.657E-03	4.471E-03
NNE	1.418E-02	1.010E-02	6.309E-03	4.794E-03	1.369E-02	1.356E-02	8.692E-03	6.833E-03	5.831E-03	5.220E-03	4.834E-03	4.586E-03
NE	1.989E-02	1.253E-02	7.654E-03	5.695E-03	1.616E-02	1.621E-02	1.040E-02	8.106E-03	6.874E-03	6.129E-03	5.634E-03	5.288E-03
ENE	1.716E-02	1.255E-02	7.589E-03	5.365E-03	1.418E-02	1.348E-02	8.592E-03	6.777E-03	5.788E-03	5.178E-03	4.777E-03	4.501E-03
E	6.166E-03	6.411E-03	4.395E-03	3.391E-03	1.000E-02	1.019E-02	6.569E-03	5.148E-03	4.378E-03	3.920E-03	3.623E-03	3.419E-03
ESE	2.584E-03	2.507E-03	2.198E-03	1.872E-03	6.450E-03	7.536E-03	5.119E-03	4.042E-03	3.419E-03	3.016E-03	2.737E-03	2.538E-03
SE	1.532E-03	7.672E-04	6.075E-04	5.274E-04	1.941E-03	2.386E-03	1.665E-03	1.329E-03	1.134E-03	1.009E-03	9.227E-04	8.613E-04
SSE	1.094E-03	6.243E-04	2.314E-04	1.690E-04	4.266E-04	3.668E-04	2.299E-04	1.814E-04	1.549E-04	1.379E-04	1.259E-04	1.169E-04
S	1.878E-03	1.242E-03	8.662E-04	6.702E-04	1.797E-03	1.402E-03	7.675E-04	5.850E-04	5.128E-04	4.830E-04	4.730E-04	4.745E-04
SSW	3.073E-03	2.452E-03	1.999E-03	1.662E-03	5.370E-03	5.644E-03	3.591E-03	2.781E-03	2.358E-03	2.113E-03	1.975E-03	1.897E-03
SW	3.808E-03	3.162E-03	2.609E-03	2.197E-03	7.329E-03	8.017E-03	5.220E-03	4.093E-03	3.510E-03	3.176E-03	2.973E-03	2.848E-03
WSW	3.720E-03	2.948E-03	2.343E-03	1.914E-03	5.971E-03	6.095E-03	4.021E-03	3.312E-03	2.953E-03	2.753E-03	2.640E-03	2.578E-03
W	3.860E-03	3.068E-03	2.444E-03	1.998E-03	6.234E-03	6.411E-03	4.273E-03	3.560E-03	3.211E-03	3.038E-03	2.949E-03	2.906E-03
WNW	5.291E-03	4.040E-03	3.231E-03	2.645E-03	8.243E-03	8.379E-03	5.481E-03	4.503E-03	4.032E-03	3.788E-03	3.664E-03	3.625E-03
NW	6.114E-03	4.928E-03	3.716E-03	3.019E-03	9.365E-03	9.574E-03	6.218E-03	5.036E-03	4.426E-03	4.074E-03	3.861E-03	3.731E-03
NNW	7.256E-03	5.543E-03	3.963E-03	3.136E-03	9.465E-03	9.525E-03	6.217E-03	5.038E-03	4.425E-03	4.066E-03	3.843E-03	3.702E-03

TOTAL DOSE COMMITMENT IS 9.071E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
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 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
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 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 6, XS -

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 6--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.573E-01	1.425E+00	6.994E-01	1.383E-01	7.642E-02	5.226E+00
GROUND	4.623E-02	4.623E-02	4.623E-02	4.623E-02	4.623E-02	4.623E-02
CLOUD	4.509E-02	4.509E-02	4.509E-02	4.509E-02	4.509E-02	4.509E-02
VEG. ING	1.221E+00	1.446E+01	1.221E+00	3.765E+00	3.159E+00	1.221E+00
MEAT ING	4.382E-02	5.293E-01	4.382E-02	1.426E-01	1.172E-01	4.382E-02
MILK ING	3.696E-02	4.767E-01	3.696E-02	7.837E-02	8.148E-02	3.696E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.550E+00	1.699E+01	2.092E+00	4.216E+00	3.525E+00	6.619E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.221E+00	1.446E+01	1.221E+00	3.765E+00	3.159E+00	1.221E+00
MEAT ING	9.882E-01	1.194E+01	9.882E-01	3.217E+00	2.643E+00	9.882E-01
MILK ING	3.338E-02	4.304E-01	3.338E-02	7.077E-02	7.358E-02	3.338E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.242E+00	2.683E+01	2.242E+00	7.052E+00	5.876E+00	2.242E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.573E-01	1.425E+00	6.994E-01	1.383E-01	7.642E-02	5.226E+00
GROUND	4.623E-02	4.623E-02	4.623E-02	4.623E-02	4.623E-02	4.623E-02
CLOUD	4.509E-02	4.509E-02	4.509E-02	4.509E-02	4.509E-02	4.509E-02
VEG. ING	2.442E+00	2.892E+01	2.442E+00	7.530E+00	6.318E+00	2.442E+00
MEAT ING	1.032E+00	1.246E+01	1.032E+00	3.359E+00	2.761E+00	1.032E+00
MILK ING	7.033E-02	9.071E-01	7.033E-02	1.491E-01	1.551E-01	7.033E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.793E+00	4.381E+01	4.335E+00	1.127E+01	9.401E+00	8.862E+00

NO.	NAME	PTS2	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3							
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	1.270E-05	2.793E-05	2.793E-05	2.786E-05	3.885E+01	8.030E+01	8.002E+01	8.002E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.270E-05	2.793E-05	2.793E-05	2.786E-05	3.885E+01	8.030E+01	8.002E+01	8.002E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	1.034E-01	1.130E-01	1.130E-01	1.127E-01	3.194E+05	3.455E+05	3.442E+05	3.442E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.034E-01	1.130E-01	1.130E-01	1.127E-01	3.194E+05	3.455E+05	3.442E+05	3.442E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	3.268E-03	9.550E-03	9.550E-03	9.528E-03	9.929E+03	2.703E+04	2.694E+04	2.694E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.268E-03	9.550E-03	9.550E-03	9.528E-03	9.929E+03	2.703E+04	2.694E+04	2.694E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	2.572E-03	7.563E-03	7.562E-03	7.545E-03	7.815E+03	2.140E+04	2.133E+04	2.133E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.572E-03	7.563E-03	7.562E-03	7.545E-03	7.815E+03	2.140E+04	2.133E+04	2.133E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	1.328E-02	1.884E-02	1.884E-02	1.880E-02	4.091E+04	5.605E+04	5.585E+04	5.585E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.328E-02	1.884E-02	1.884E-02	1.880E-02	4.091E+04	5.605E+04	5.585E+04	5.585E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	3.274E-02	4.474E-02	4.473E-02	4.463E-02	1.009E+05	1.335E+05	1.331E+05	1.331E+05
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.274E-02	4.474E-02	4.473E-02	4.463E-02	1.009E+05	1.335E+05	1.331E+05	1.331E+05
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	3.654E-03	1.153E-02	1.153E-02	1.151E-02	1.108E+04	3.253E+04	3.242E+04	3.242E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.654E-03	1.153E-02	1.153E-02	1.151E-02	1.108E+04	3.253E+04	3.242E+04	3.242E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	8.501E-03	1.396E-02	1.396E-02	1.393E-02	2.613E+04	4.100E+04	4.086E+04	4.086E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			8.501E-03	1.396E-02	1.396E-02	1.393E-02	2.613E+04	4.100E+04	4.086E+04	4.086E+04

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	2.945E-02	3.595E-02	3.595E-02	3.586E-02	9.087E+04	1.086E+05	1.082E+05	1.082E+05
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.945E-02	3.595E-02	3.595E-02	3.586E-02	9.087E+04	1.086E+05	1.082E+05	1.082E+05
10	Bailroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	2	1.249E-05	2.781E-05	2.781E-05	2.774E-05	3.820E+01	7.989E+01	7.961E+01	7.961E+01
10	Bailroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.249E-05	2.781E-05	2.781E-05	2.774E-05	3.820E+01	7.989E+01	7.961E+01	7.961E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	1.185E-05	2.511E-05	2.510E-05	2.505E-05	3.626E+01	7.235E+01	7.210E+01	7.210E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		1.185E-05	2.511E-05	2.510E-05	2.505E-05	3.626E+01	7.235E+01	7.210E+01	7.210E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	2.415E-06	5.179E-06	5.179E-06	5.167E-06	7.389E+00	1.491E+01	1.486E+01	1.486E+01
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.415E-06	5.179E-06	5.179E-06	5.167E-06	7.389E+00	1.491E+01	1.486E+01	1.486E+01
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	5.925E-03	2.643E-02	2.643E-02	2.637E-02	1.775E+04	7.357E+04	7.333E+04	7.333E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		5.925E-03	2.643E-02	2.643E-02	2.637E-02	1.775E+04	7.357E+04	7.333E+04	7.333E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.156E-03	6.640E-03	6.639E-03	6.624E-03	6.542E+03	1.875E+04	1.868E+04	1.868E+04
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		2.156E-03	6.640E-03	6.639E-03	6.624E-03	6.542E+03	1.875E+04	1.868E+04	1.868E+04



NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS							GROUND CONCENTRATIONS, PCI/M2				
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.787E+00	1.788E+00	1.732E+00	1.655E+00	4.115E-05	1.114E-06	7.853E-10	1.680E-05	1.416E+00	1.416E+00	1.416E+00	4.288E+01
2	2.348E+02	2.090E+02	6.922E+01	2.071E+01	9.726E-06	5.507E-09	9.012E-14	6.435E-04	1.656E+02	1.656E+02	1.656E+02	9.920E+00
3	1.172E+02	1.044E+02	3.636E+01	1.215E+01	6.720E-06	4.452E-09	8.478E-14	3.372E-04	8.269E+01	8.269E+01	8.269E+01	6.854E+00
4	9.536E+01	7.253E+01	1.928E+01	5.707E+00	2.882E-06	1.848E-09	3.673E-14	1.937E-04	5.744E+01	5.744E+01	5.744E+01	2.981E+00
5	1.092E+02	9.988E+01	4.053E+01	1.564E+01	1.044E-05	8.235E-09	1.854E-13	3.667E-04	7.911E+01	7.911E+01	7.911E+01	1.065E+01
6	2.262E+02	1.867E+02	4.647E+01	1.055E+01	3.550E-06	1.466E-09	1.768E-14	4.672E-04	1.478E+02	1.478E+02	1.478E+02	3.621E+00
7	1.499E+02	1.311E+02	4.160E+01	1.259E+01	6.113E-06	3.583E-09	6.059E-14	3.929E-04	1.039E+02	1.039E+02	1.039E+02	6.235E+00
8	1.053E+02	9.533E+01	3.650E+01	1.341E+01	8.431E-06	6.292E-09	1.344E-13	3.333E-04	7.550E+01	7.550E+01	7.550E+01	8.599E+00
9	1.401E+02	1.276E+02	5.038E+01	1.836E+01	1.121E-05	8.123E-09	1.687E-13	4.553E-04	1.010E+02	1.010E+02	1.010E+02	1.143E+01
10	1.896E+00	1.897E+00	1.861E+00	1.803E+00	5.708E-05	1.976E-06	1.799E-09	1.811E-05	1.503E+00	1.503E+00	1.503E+00	5.952E+01
11	6.833E-01	6.837E-01	6.807E-01	6.724E-01	3.120E-05	1.557E-06	2.069E-09	6.663E-06	5.415E-01	5.415E-01	5.415E-01	3.211E+01
12	3.015E-01	3.017E-01	3.002E-01	2.961E-01	1.504E-05	9.089E-07	1.509E-09	2.937E-06	2.389E-01	2.389E-01	2.389E-01	1.563E+01
13	3.654E+02	2.549E+02	4.650E+01	8.597E+00	2.500E-06	1.050E-09	1.644E-14	5.304E-04	2.019E+02	2.019E+02	2.019E+02	2.603E+00
14	1.068E+02	9.715E+01	4.319E+01	2.081E+01	2.085E-05	2.447E-08	8.211E-13	3.967E-04	7.695E+01	7.695E+01	7.695E+01	2.140E+01

NUMBER 1 NAME-Nearest Resident X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.80E-01	4.80E-01	1.15E+00	9.75E-02	7.68E-02	0.00E+00
INFANT	GROUND	3.72E-04	3.72E-04	3.72E-04	3.72E-04	3.72E-04	3.72E-04
INFANT	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.36E-02	7.82E-02	3.68E-02	3.68E-02	4.94E-02	0.00E+00
INFANT	TOTALS	2.04E-01	5.59E-01	1.18E+00	1.35E-01	1.27E-01	3.72E-04
CHILD	INHAL.	8.44E-02	4.05E-01	5.25E-01	3.93E-02	2.62E-02	0.00E+00
CHILD	GROUND	3.72E-04	3.72E-04	3.72E-04	3.72E-04	3.72E-04	3.72E-04
CHILD	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
CHILD	VEG. ING	1.14E-02	5.75E-02	4.82E-02	4.82E-02	3.80E-02	0.00E+00
CHILD	MEAT ING	1.31E-03	6.51E-03	6.19E-03	6.19E-03	4.69E-03	0.00E+00
CHILD	MILK ING	2.78E-03	1.83E-02	8.33E-03	8.33E-03	8.22E-03	0.00E+00
CHILD	TOTALS	1.00E-01	4.88E-01	5.88E-01	1.02E-01	7.76E-02	3.72E-04
TEENAGE	INHAL.	5.31E-02	4.50E-01	2.71E-01	1.71E-02	1.31E-02	0.00E+00
TEENAGE	GROUND	3.72E-04	3.72E-04	3.72E-04	3.72E-04	3.72E-04	3.72E-04
TEENAGE	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
TEENAGE	VEG. ING	1.86E-02	3.08E-01	4.30E-02	4.30E-02	3.88E-02	0.00E+00
TEENAGE	MEAT ING	2.06E-03	3.36E-02	5.41E-03	5.41E-03	4.67E-03	0.00E+00
TEENAGE	MILK ING	3.88E-03	8.15E-02	5.35E-03	5.35E-03	6.28E-03	0.00E+00
TEENAGE	TOTALS	7.80E-02	8.73E-01	3.25E-01	7.13E-02	6.33E-02	3.72E-04
ADULT	INHAL.	4.56E-02	4.23E-01	2.23E-01	1.42E-02	1.00E-02	0.00E+00
ADULT	GROUND	3.72E-04	3.72E-04	3.72E-04	3.72E-04	3.72E-04	3.72E-04
ADULT	CLOUD	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09
ADULT	VEG. ING	1.05E-02	1.29E-01	2.80E-02	2.80E-02	2.45E-02	0.00E+00
ADULT	MEAT ING	1.50E-03	1.85E-02	4.47E-03	4.47E-03	3.77E-03	0.00E+00
ADULT	MILK ING	7.47E-04	1.13E-02	1.33E-03	1.33E-03	1.45E-03	0.00E+00
ADULT	TOTALS	5.88E-02	5.82E-01	2.57E-01	4.83E-02	4.02E-02	3.72E-04



NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.56E+02	1.95E+03	6.53E+03	3.95E+02	3.14E+02	0.00E+00
INFANT	GROUND	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00
INFANT	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.21E+02	3.89E+02	1.50E+02	1.50E+02	2.77E+02	0.00E+00
INFANT	TOTALS	1.08E+03	2.34E+03	6.68E+03	5.47E+02	5.93E+02	2.06E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.51E+02	1.64E+03	3.04E+03	1.59E+02	1.08E+02	0.00E+00
CHILD	GROUND	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00
CHILD	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
CHILD	VEG. ING	4.83E+01	2.43E+02	1.96E+02	1.96E+02	1.66E+02	0.00E+00
CHILD	MEAT ING	5.43E+00	2.70E+01	2.52E+01	2.52E+01	1.98E+01	0.00E+00
CHILD	MILK ING	1.29E+01	8.16E+01	3.39E+01	3.39E+01	4.26E+01	0.00E+00
CHILD	TOTALS	5.20E+02	2.00E+03	3.30E+03	4.16E+02	3.38E+02	2.06E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.72E+02	1.82E+03	1.57E+03	6.94E+01	5.41E+01	0.00E+00
TEENAGE	GROUND	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00
TEENAGE	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
TEENAGE	VEG. ING	7.82E+01	1.31E+03	1.75E+02	1.75E+02	1.70E+02	0.00E+00
TEENAGE	MEAT ING	8.52E+00	1.40E+02	2.20E+01	2.20E+01	1.97E+01	0.00E+00
TEENAGE	MILK ING	1.72E+01	3.64E+02	2.18E+01	2.18E+01	3.24E+01	0.00E+00
TEENAGE	TOTALS	3.78E+02	3.64E+03	1.79E+03	2.90E+02	2.78E+02	2.06E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.32E+02	1.71E+03	1.30E+03	5.73E+01	4.14E+01	0.00E+00
ADULT	GROUND	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00
ADULT	CLOUD	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05	1.67E-05
ADULT	VEG. ING	4.39E+01	5.40E+02	1.14E+02	1.14E+02	1.06E+02	0.00E+00
ADULT	MEAT ING	6.20E+00	7.63E+01	1.82E+01	1.82E+01	1.58E+01	0.00E+00
ADULT	MILK ING	3.28E+00	4.93E+01	5.40E+00	5.40E+00	7.37E+00	0.00E+00
ADULT	TOTALS	2.88E+02	2.38E+03	1.44E+03	1.97E+02	1.73E+02	2.06E+00

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.ir  
 TIME STEP NUMBER 6, XS =

PAGE 282  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.74E+02	1.95E+03	6.53E+03	3.95E+02	3.14E+02	2.94E+02
INFANT	GROUND	6.36E+01	6.36E+01	6.36E+01	6.36E+01	6.36E+01	6.36E+01
INFANT	CLOUD	2.94E-01	2.94E-01	2.94E-01	2.94E-01	2.94E-01	2.94E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.21E+02	3.89E+02	1.50E+02	1.50E+02	2.77E+02	0.00E+00
INFANT	TOTALS	1.16E+03	2.40E+03	6.74E+03	6.09E+02	6.55E+02	3.57E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.69E+02	1.64E+03	3.04E+03	1.59E+02	1.08E+02	2.94E+02
CHILD	GROUND	6.36E+01	6.36E+01	6.36E+01	6.36E+01	6.36E+01	6.36E+01
CHILD	CLOUD	2.94E-01	2.94E-01	2.94E-01	2.94E-01	2.94E-01	2.94E-01
CHILD	VEG. ING	4.83E+01	2.43E+02	1.96E+02	1.96E+02	1.66E+02	0.00E+00
CHILD	MEAT ING	5.43E+00	2.70E+01	2.52E+01	2.52E+01	1.98E+01	0.00E+00
CHILD	MILK ING	1.29E+01	8.16E+01	3.39E+01	3.39E+01	4.26E+01	0.00E+00
CHILD	TOTALS	5.99E+02	2.06E+03	3.36E+03	4.78E+02	4.00E+02	3.57E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.90E+02	1.82E+03	1.57E+03	6.94E+01	5.41E+01	2.94E+02
TEENAGE	GROUND	6.36E+01	6.36E+01	6.36E+01	6.36E+01	6.36E+01	6.36E+01
TEENAGE	CLOUD	2.94E-01	2.94E-01	2.94E-01	2.94E-01	2.94E-01	2.94E-01
TEENAGE	VEG. ING	7.82E+01	1.31E+03	1.75E+02	1.75E+02	1.70E+02	0.00E+00
TEENAGE	MEAT ING	8.52E+00	1.40E+02	2.20E+01	2.20E+01	1.97E+01	0.00E+00
TEENAGE	MILK ING	1.72E+01	3.64E+02	2.18E+01	2.18E+01	3.24E+01	0.00E+00
TEENAGE	TOTALS	4.58E+02	3.70E+03	1.86E+03	3.52E+02	3.40E+02	3.57E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.50E+02	1.71E+03	1.30E+03	5.73E+01	4.14E+01	2.94E+02
ADULT	GROUND	6.36E+01	6.36E+01	6.36E+01	6.36E+01	6.36E+01	6.36E+01
ADULT	CLOUD	2.94E-01	2.94E-01	2.94E-01	2.94E-01	2.94E-01	2.94E-01
ADULT	VEG. ING	4.39E+01	5.40E+02	1.14E+02	1.14E+02	1.06E+02	0.00E+00
ADULT	MEAT ING	6.20E+00	7.63E+01	1.82E+01	1.82E+01	1.58E+01	0.00E+00
ADULT	MILK ING	3.28E+00	4.93E+01	5.40E+00	5.40E+00	7.37E+00	0.00E+00
ADULT	TOTALS	3.67E+02	2.44E+03	1.50E+03	2.59E+02	2.35E+02	3.57E+02

NUMBER 3 NAME-Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.67E+01	1.64E+02	3.52E+02	3.34E+01	2.62E+01	0.00E+00
INFANT	GROUND	1.15E-01	1.15E-01	1.15E-01	1.15E-01	1.15E-01	1.15E-01
INFANT	CLOUD	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.53E+00	2.53E+01	1.26E+01	1.26E+01	1.53E+01	0.00E+00
INFANT	TOTALS	6.44E+01	1.90E+02	3.65E+02	4.60E+01	4.16E+01	1.15E-01
CHILD	INHAL.	2.66E+01	1.39E+02	1.61E+02	1.35E+01	8.94E+00	0.00E+00
CHILD	GROUND	1.15E-01	1.15E-01	1.15E-01	1.15E-01	1.15E-01	1.15E-01
CHILD	CLOUD	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07
CHILD	VEG. ING	3.85E+00	1.95E+01	1.65E+01	1.65E+01	1.28E+01	0.00E+00
CHILD	MEAT ING	4.44E-01	2.21E+00	2.11E+00	2.11E+00	1.59E+00	0.00E+00
CHILD	MILK ING	9.18E-01	6.09E+00	2.84E+00	2.84E+00	2.62E+00	0.00E+00
CHILD	TOTALS	3.19E+01	1.66E+02	1.82E+02	3.50E+01	2.60E+01	1.15E-01
TEENAGE	INHAL.	1.70E+01	1.54E+02	8.27E+01	5.86E+00	4.47E+00	0.00E+00
TEENAGE	GROUND	1.15E-01	1.15E-01	1.15E-01	1.15E-01	1.15E-01	1.15E-01
TEENAGE	CLOUD	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07
TEENAGE	VEG. ING	6.30E+00	1.04E+02	1.47E+01	1.47E+01	1.30E+01	0.00E+00
TEENAGE	MEAT ING	7.01E-01	1.14E+01	1.85E+00	1.85E+00	1.58E+00	0.00E+00
TEENAGE	MILK ING	1.30E+00	2.72E+01	1.83E+00	1.83E+00	2.00E+00	0.00E+00
TEENAGE	TOTALS	2.54E+01	2.96E+02	1.01E+02	2.43E+01	2.12E+01	1.15E-01
ADULT	INHAL.	1.46E+01	1.44E+02	6.80E+01	4.84E+00	3.41E+00	0.00E+00
ADULT	GROUND	1.15E-01	1.15E-01	1.15E-01	1.15E-01	1.15E-01	1.15E-01
ADULT	CLOUD	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07	8.58E-07
ADULT	VEG. ING	3.57E+00	4.37E+01	9.57E+00	9.57E+00	8.24E+00	0.00E+00
ADULT	MEAT ING	5.12E-01	6.28E+00	1.53E+00	1.53E+00	1.28E+00	0.00E+00
ADULT	MILK ING	2.50E-01	3.77E+00	4.53E-01	4.53E-01	4.66E-01	0.00E+00
ADULT	TOTALS	1.91E+01	1.98E+02	7.96E+01	1.65E+01	1.35E+01	1.15E-01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 284  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 6, XS -      DURATION IN YRS IS... 3.0  
 NUMBER 3 NAME=Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.55E+01	1.64E+02	3.52E+02	3.34E+01	2.62E+01	1.47E+02
INFANT	GROUND	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00
INFANT	CLOUD	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.53E+00	2.53E+01	1.26E+01	1.26E+01	1.53E+01	0.00E+00
INFANT	TOTALS	7.82E+01	1.95E+02	3.70E+02	5.10E+01	4.66E+01	1.52E+02
CHILD	INHAL.	3.54E+01	1.39E+02	1.61E+02	1.35E+01	8.94E+00	1.47E+02
CHILD	GROUND	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00
CHILD	CLOUD	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01
CHILD	VEG. ING	3.85E+00	1.95E+01	1.65E+01	1.65E+01	1.20E+01	0.00E+00
CHILD	MEAT ING	4.44E-01	2.21E+00	2.11E+00	2.11E+00	1.59E+00	0.00E+00
CHILD	MILK ING	9.18E-01	6.09E+00	2.85E+00	2.85E+00	2.62E+00	0.00E+00
CHILD	TOTALS	4.57E+01	1.71E+02	1.87E+02	4.00E+01	3.10E+01	1.52E+02
TEENAGE	INHAL.	2.58E+01	1.54E+02	8.27E+01	5.87E+00	4.48E+00	1.47E+02
TEENAGE	GROUND	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00
TEENAGE	CLOUD	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01
TEENAGE	VEG. ING	6.30E+00	1.04E+02	1.47E+01	1.47E+01	1.30E+01	0.00E+00
TEENAGE	MEAT ING	7.01E-01	1.14E+01	1.85E+00	1.85E+00	1.58E+00	0.00E+00
TEENAGE	MILK ING	1.30E+00	2.72E+01	1.83E+00	1.83E+00	2.00E+00	0.00E+00
TEENAGE	TOTALS	3.92E+01	3.01E+02	1.06E+02	2.93E+01	2.62E+01	1.52E+02
ADULT	INHAL.	2.34E+01	1.44E+02	6.80E+01	4.84E+00	3.41E+00	1.47E+02
ADULT	GROUND	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00	4.95E+00
ADULT	CLOUD	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01	1.67E-01
ADULT	VEG. ING	3.57E+00	4.37E+01	9.57E+00	9.57E+00	8.24E+00	0.00E+00
ADULT	MEAT ING	5.12E-01	6.29E+00	1.53E+00	1.53E+00	1.28E+00	0.00E+00
ADULT	MILK ING	2.50E-01	3.77E+00	4.53E-01	4.53E-01	4.66E-01	0.00E+00
ADULT	TOTALS	3.28E+01	2.03E+02	8.46E+01	2.15E+01	1.85E+01	1.52E+02

NUMBER 4 NAME-Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.48E+01	1.30E+02	2.79E+02	2.64E+01	2.07E+01	0.00E+00
INFANT	GROUND	9.13E-02	9.13E-02	9.13E-02	9.13E-02	9.13E-02	9.13E-02
INFANT	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.96E+00	2.00E+01	9.95E+00	9.95E+00	1.21E+01	0.00E+00
INFANT	TOTALS	5.09E+01	1.50E+02	2.89E+02	3.64E+01	3.29E+01	9.13E-02
CHILD	INHAL.	2.10E+01	1.10E+02	1.27E+02	1.07E+01	7.08E+00	0.00E+00
CHILD	GROUND	9.13E-02	9.13E-02	9.13E-02	9.13E-02	9.13E-02	9.13E-02
CHILD	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
CHILD	VEG. ING	3.05E+00	1.54E+01	1.30E+01	1.30E+01	1.01E+01	0.00E+00
CHILD	MEAT ING	3.52E-01	1.75E+00	1.67E+00	1.67E+00	1.26E+00	0.00E+00
CHILD	MILK ING	7.26E-01	4.82E+00	2.25E+00	2.25E+00	2.07E+00	0.00E+00
CHILD	TOTALS	2.52E+01	1.32E+02	1.44E+02	2.77E+01	2.06E+01	9.13E-02
TEENAGE	INHAL.	1.34E+01	1.22E+02	6.53E+01	4.64E+00	3.54E+00	0.00E+00
TEENAGE	GROUND	9.13E-02	9.13E-02	9.13E-02	9.13E-02	9.13E-02	9.13E-02
TEENAGE	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
TEENAGE	VEG. ING	4.99E+00	8.22E+01	1.16E+01	1.16E+01	1.03E+01	0.00E+00
TEENAGE	MEAT ING	5.55E-01	9.03E+00	1.46E+00	1.46E+00	1.25E+00	0.00E+00
TEENAGE	MILK ING	1.03E+00	2.15E+01	1.45E+00	1.45E+00	1.58E+00	0.00E+00
TEENAGE	TOTALS	2.01E+01	2.35E+02	8.00E+01	1.93E+01	1.68E+01	9.13E-02
ADULT	INHAL.	1.16E+01	1.14E+02	5.37E+01	3.83E+00	2.70E+00	0.00E+00
ADULT	GROUND	9.13E-02	9.13E-02	9.13E-02	9.13E-02	9.13E-02	9.13E-02
ADULT	CLOUD	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07	6.78E-07
ADULT	VEG. ING	2.83E+00	3.46E+01	7.58E+00	7.58E+00	6.52E+00	0.00E+00
ADULT	MEAT ING	4.05E-01	4.98E+00	1.21E+00	1.21E+00	1.01E+00	0.00E+00
ADULT	MILK ING	1.98E-01	2.98E+00	3.59E-01	3.59E-01	3.69E-01	0.00E+00
ADULT	TOTALS	1.51E+01	1.57E+02	6.29E+01	1.31E+01	1.07E+01	9.13E-02



TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.20E+01	1.30E+02	2.79E+02	2.64E+01	2.07E+01	1.19E+02
INFANT	GROUND	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00
INFANT	CLOUD	8.14E-02	8.14E-02	8.14E-02	8.14E-02	8.14E-02	8.14E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.96E+00	2.00E+01	9.95E+00	9.95E+00	1.21E+01	0.00E+00
INFANT	TOTALS	6.19E+01	1.54E+02	2.92E+02	4.04E+01	3.68E+01	1.23E+02
CHILD	INHAL.	2.82E+01	1.10E+02	1.27E+02	1.07E+01	7.08E+00	1.19E+02
CHILD	GROUND	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00
CHILD	CLOUD	8.14E-02	8.14E-02	8.14E-02	8.14E-02	8.14E-02	8.14E-02
CHILD	VEG. ING	3.05E+00	1.54E+01	1.30E+01	1.30E+01	1.01E+01	0.00E+00
CHILD	MEAT ING	3.52E-01	1.75E+00	1.67E+00	1.67E+00	1.26E+00	0.00E+00
CHILD	MILK ING	7.26E-01	4.82E+00	2.25E+00	2.25E+00	2.07E+00	0.00E+00
CHILD	TOTALS	3.63E+01	1.36E+02	1.48E+02	3.16E+01	2.45E+01	1.23E+02
TEENAGE	INHAL.	2.06E+01	1.22E+02	6.53E+01	4.65E+00	3.54E+00	1.19E+02
TEENAGE	GROUND	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00
TEENAGE	CLOUD	8.14E-02	8.14E-02	8.14E-02	8.14E-02	8.14E-02	8.14E-02
TEENAGE	VEG. ING	4.99E+00	8.22E+01	1.16E+01	1.16E+01	1.03E+01	0.00E+00
TEENAGE	MEAT ING	5.55E-01	9.03E+00	1.46E+00	1.46E+00	1.25E+00	0.00E+00
TEENAGE	MILK ING	1.03E+00	2.15E+01	1.45E+00	1.45E+00	1.58E+00	0.00E+00
TEENAGE	TOTALS	3.11E+01	2.39E+02	8.39E+01	2.32E+01	2.07E+01	1.23E+02
ADULT	INHAL.	1.87E+01	1.14E+02	5.37E+01	3.84E+00	2.70E+00	1.19E+02
ADULT	GROUND	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00	3.91E+00
ADULT	CLOUD	8.14E-02	8.14E-02	8.14E-02	8.14E-02	8.14E-02	8.14E-02
ADULT	VEG. ING	2.83E+00	3.46E+01	7.58E+00	7.58E+00	6.52E+00	0.00E+00
ADULT	MEAT ING	4.05E-01	4.98E+00	1.21E+00	1.21E+00	1.01E+00	0.00E+00
ADULT	MILK ING	1.98E-01	2.98E+00	3.59E-01	3.59E-01	3.69E-01	0.00E+00
ADULT	TOTALS	2.61E+01	1.61E+02	6.68E+01	1.70E+01	1.46E+01	1.23E+02

NUMBER 5 NAME-Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.42E+02	3.25E+02	9.44E+02	6.58E+01	5.21E+01	0.00E+00
INFANT	GROUND	3.01E-01	3.01E-01	3.01E-01	3.01E-01	3.01E-01	3.01E-01
INFANT	CLOUD	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.82E+01	5.93E+01	2.49E+01	2.49E+01	4.03E+01	0.00E+00
INFANT	TOTALS	1.61E+02	3.84E+02	9.70E+02	9.10E+01	9.28E+01	3.01E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.69E+01	2.74E+02	4.37E+02	2.65E+01	1.78E+01	0.00E+00
CHILD	GROUND	3.01E-01	3.01E-01	3.01E-01	3.01E-01	3.01E-01	3.01E-01
CHILD	CLOUD	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06
CHILD	VEG. ING	7.89E+00	3.98E+01	3.26E+01	3.26E+01	2.68E+01	0.00E+00
CHILD	MEAT ING	8.96E-01	4.46E+00	4.19E+00	4.19E+00	3.24E+00	0.00E+00
CHILD	MILK ING	2.02E+00	1.30E+01	5.64E+00	5.64E+00	6.39E+00	0.00E+00
CHILD	TOTALS	7.80E+01	3.31E+02	4.80E+02	6.93E+01	5.46E+01	3.01E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.10E+01	3.04E+02	2.26E+02	1.16E+01	8.95E+00	0.00E+00
TEENAGE	GROUND	3.01E-01	3.01E-01	3.01E-01	3.01E-01	3.01E-01	3.01E-01
TEENAGE	CLOUD	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06
TEENAGE	VEG. ING	1.28E+01	2.13E+02	2.91E+01	2.91E+01	2.74E+01	0.00E+00
TEENAGE	MEAT ING	1.41E+00	2.30E+01	3.66E+00	3.66E+00	3.23E+00	0.00E+00
TEENAGE	MILK ING	2.76E+00	5.81E+01	3.63E+00	3.63E+00	4.87E+00	0.00E+00
TEENAGE	TOTALS	5.83E+01	5.99E+02	2.63E+02	4.82E+01	4.47E+01	3.01E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.51E+01	2.85E+02	1.86E+02	9.55E+00	6.84E+00	0.00E+00
ADULT	GROUND	3.01E-01	3.01E-01	3.01E-01	3.01E-01	3.01E-01	3.01E-01
ADULT	CLOUD	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06	2.39E-06
ADULT	VEG. ING	7.22E+00	8.86E+01	1.89E+01	1.89E+01	1.72E+01	0.00E+00
ADULT	MEAT ING	1.02E+00	1.26E+01	3.02E+00	3.02E+00	2.59E+00	0.00E+00
ADULT	MILK ING	5.28E-01	7.93E+00	8.99E-01	8.99E-01	1.12E+00	0.00E+00
ADULT	TOTALS	4.42E+01	3.95E+02	2.10E+02	3.27E+01	2.81E+01	3.01E-01

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.50E+02	3.25E+02	9.44E+02	6.58E+01	5.22E+01	1.37E+02
INFANT	GROUND	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01
INFANT	CLOUD	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.82E+01	5.93E+01	2.49E+01	2.49E+01	4.03E+01	0.00E+00
INFANT	TOTALS	1.79E+02	3.94E+02	9.80E+02	1.01E+02	1.03E+02	1.47E+02
CHILD	INHAL.	7.51E+01	2.74E+02	4.37E+02	2.66E+01	1.79E+01	1.37E+02
CHILD	GROUND	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01
CHILD	CLOUD	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01
CHILD	VEG. ING	7.89E+00	3.98E+01	3.26E+01	3.26E+01	2.68E+01	0.00E+00
CHILD	MEAT ING	8.96E-01	4.46E+00	4.19E+00	4.19E+00	3.24E+00	0.00E+00
CHILD	MILK ING	2.02E+00	1.30E+01	5.64E+00	5.64E+00	6.39E+00	0.00E+00
CHILD	TOTALS	9.64E+01	3.41E+02	4.90E+02	7.95E+01	6.48E+01	1.47E+02
TEENAGE	INHAL.	4.92E+01	3.04E+02	2.26E+02	1.16E+01	8.95E+00	1.37E+02
TEENAGE	GROUND	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01
TEENAGE	CLOUD	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01
TEENAGE	VEG. ING	1.28E+01	2.13E+02	2.91E+01	2.91E+01	2.74E+01	0.00E+00
TEENAGE	MEAT ING	1.41E+00	2.30E+01	3.66E+00	3.66E+00	3.23E+00	0.00E+00
TEENAGE	MILK ING	2.76E+00	5.81E+01	3.63E+00	3.63E+00	4.88E+00	0.00E+00
TEENAGE	TOTALS	7.67E+01	6.09E+02	2.73E+02	5.84E+01	5.49E+01	1.47E+02
ADULT	INHAL.	4.33E+01	2.85E+02	1.86E+02	9.56E+00	6.84E+00	1.37E+02
ADULT	GROUND	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01
ADULT	CLOUD	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01
ADULT	VEG. ING	7.22E+00	8.87E+01	1.89E+01	1.89E+01	1.72E+01	0.00E+00
ADULT	MEAT ING	1.02E+00	1.26E+01	3.03E+00	3.03E+00	2.59E+00	0.00E+00
ADULT	MILK ING	5.28E-01	7.93E+00	8.99E-01	8.99E-01	1.12E+00	0.00E+00
ADULT	TOTALS	6.26E+01	4.05E+02	2.20E+02	4.29E+01	3.83E+01	1.47E+02

NUMBER 6 NAME-Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.43E+02	7.71E+02	2.29E+03	1.56E+02	1.24E+02	0.00E+00
INFANT	GROUND	7.29E-01	7.29E-01	7.29E-01	7.29E-01	7.29E-01	7.29E-01
INFANT	CLOUD	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.38E+01	1.43E+02	5.92E+01	5.92E+01	9.75E+01	0.00E+00
INFANT	TOTALS	3.87E+02	9.14E+02	2.35E+03	2.16E+02	2.22E+02	7.29E-01
CHILD	INHAL.	1.61E+02	6.50E+02	1.06E+03	6.30E+01	4.24E+01	0.00E+00
CHILD	GROUND	7.29E-01	7.29E-01	7.29E-01	7.29E-01	7.29E-01	7.29E-01
CHILD	CLOUD	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06
CHILD	VEG. ING	1.88E+01	9.46E+01	7.75E+01	7.75E+01	6.39E+01	0.00E+00
CHILD	MEAT ING	2.13E+00	1.06E+01	9.94E+00	9.94E+00	7.70E+00	0.00E+00
CHILD	MILK ING	4.84E+00	3.11E+01	1.34E+01	1.34E+01	1.54E+01	0.00E+00
CHILD	TOTALS	1.88E+02	7.87E+02	1.16E+03	1.65E+02	1.30E+02	7.29E-01
TEENAGE	INHAL.	9.87E+01	7.22E+02	5.48E+02	2.75E+01	2.13E+01	0.00E+00
TEENAGE	GROUND	7.29E-01	7.29E-01	7.29E-01	7.29E-01	7.29E-01	7.29E-01
TEENAGE	CLOUD	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06
TEENAGE	VEG. ING	3.05E+01	5.08E+02	6.90E+01	6.90E+01	6.53E+01	0.00E+00
TEENAGE	MEAT ING	3.35E+00	5.48E+01	8.70E+00	8.70E+00	7.68E+00	0.00E+00
TEENAGE	MILK ING	6.58E+00	1.39E+02	8.61E+00	8.61E+00	1.17E+01	0.00E+00
TEENAGE	TOTALS	1.40E+02	1.42E+03	6.35E+02	1.15E+02	1.07E+02	7.29E-01
ADULT	INHAL.	8.44E+01	6.77E+02	4.52E+02	2.27E+01	1.63E+01	0.00E+00
ADULT	GROUND	7.29E-01	7.29E-01	7.29E-01	7.29E-01	7.29E-01	7.29E-01
ADULT	CLOUD	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06	5.79E-06
ADULT	VEG. ING	1.72E+01	2.11E+02	4.50E+01	4.50E+01	4.10E+01	0.00E+00
ADULT	MEAT ING	2.44E+00	3.00E+01	7.18E+00	7.18E+00	6.17E+00	0.00E+00
ADULT	MILK ING	1.26E+00	1.89E+01	2.13E+00	2.13E+00	2.68E+00	0.00E+00
ADULT	TOTALS	1.06E+02	9.38E+02	5.07E+02	7.77E+01	6.68E+01	7.29E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 6, Xs =

PAGE 290  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 6 NAME=Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.60E+02	7.71E+02	2.29E+03	1.56E+02	1.24E+02	2.83E+02
INFANT	GROUND	2.45E+01	2.45E+01	2.45E+01	2.45E+01	2.45E+01	2.45E+01
INFANT	CLOUD	1.66E-01	1.66E-01	1.66E-01	1.66E-01	1.66E-01	1.66E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.38E+01	1.43E+02	5.92E+01	5.92E+01	9.75E+01	0.00E+00
INFANT	TOTALS	4.28E+02	9.38E+02	2.37E+03	2.40E+02	2.46E+02	3.07E+02
CHILD	INHAL.	1.78E+02	6.50E+02	1.06E+03	6.30E+01	4.24E+01	2.83E+02
CHILD	GROUND	2.45E+01	2.45E+01	2.45E+01	2.45E+01	2.45E+01	2.45E+01
CHILD	CLOUD	1.66E-01	1.66E-01	1.66E-01	1.66E-01	1.66E-01	1.66E-01
CHILD	VEG. ING	1.88E+01	9.46E+01	7.75E+01	7.75E+01	6.39E+01	0.00E+00
CHILD	MEAT ING	2.13E+00	1.06E+01	9.94E+00	9.94E+00	7.70E+00	0.00E+00
CHILD	MILK ING	4.84E+00	3.11E+01	1.34E+01	1.34E+01	1.54E+01	0.00E+00
CHILD	TOTALS	2.29E+02	8.11E+02	1.18E+03	1.89E+02	1.54E+02	3.07E+02
TEENAGE	INHAL.	1.16E+02	7.22E+02	5.48E+02	2.75E+01	2.13E+01	2.83E+02
TEENAGE	GROUND	2.45E+01	2.45E+01	2.45E+01	2.45E+01	2.45E+01	2.45E+01
TEENAGE	CLOUD	1.66E-01	1.66E-01	1.66E-01	1.66E-01	1.66E-01	1.66E-01
TEENAGE	VEG. ING	3.05E+01	5.08E+02	6.90E+01	6.90E+01	6.53E+01	0.00E+00
TEENAGE	MEAT ING	3.35E+00	5.48E+01	8.70E+00	8.70E+00	7.68E+00	0.00E+00
TEENAGE	MILK ING	6.58E+00	1.39E+02	8.61E+00	8.61E+00	1.17E+01	0.00E+00
TEENAGE	TOTALS	1.81E+02	1.45E+03	6.59E+02	1.38E+02	1.31E+02	3.07E+02
ADULT	INHAL.	1.01E+02	6.77E+02	4.52E+02	2.27E+01	1.63E+01	2.83E+02
ADULT	GROUND	2.45E+01	2.45E+01	2.45E+01	2.45E+01	2.45E+01	2.45E+01
ADULT	CLOUD	1.66E-01	1.66E-01	1.66E-01	1.66E-01	1.66E-01	1.66E-01
ADULT	VEG. ING	1.72E+01	2.11E+02	4.50E+01	4.50E+01	4.10E+01	0.00E+00
ADULT	MEAT ING	2.44E+00	3.00E+01	7.18E+00	7.18E+00	6.17E+00	0.00E+00
ADULT	MILK ING	1.26E+00	1.89E+01	2.13E+00	2.13E+00	2.68E+00	0.00E+00
ADULT	TOTALS	1.47E+02	9.62E+02	5.31E+02	1.02E+02	9.08E+01	3.07E+02

TIME STEP NUMBER 6, XS -

NUMBER 7 NAME-Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.72E+01	1.98E+02	4.15E+02	4.03E+01	3.16E+01	0.00E+00
INFANT	GROUND	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
INFANT	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.95E+00	3.01E+01	1.52E+01	1.52E+01	1.80E+01	0.00E+00
INFANT	TOTALS	7.63E+01	2.29E+02	4.30E+02	5.56E+01	4.98E+01	1.36E-01
CHILD	INHAL.	3.15E+01	1.67E+02	1.89E+02	1.62E+01	1.08E+01	0.00E+00
CHILD	GROUND	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
CHILD	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
CHILD	VEG. ING	4.64E+00	2.34E+01	1.99E+01	1.99E+01	1.53E+01	0.00E+00
CHILD	MEAT ING	5.36E-01	2.67E+00	2.55E+00	2.55E+00	1.91E+00	0.00E+00
CHILD	MILK ING	1.10E+00	7.31E+00	3.43E+00	3.43E+00	3.11E+00	0.00E+00
CHILD	TOTALS	3.79E+01	2.01E+02	2.15E+02	4.23E+01	3.13E+01	1.36E-01
TEENAGE	INHAL.	2.02E+01	1.86E+02	9.72E+01	7.08E+00	5.40E+00	0.00E+00
TEENAGE	GROUND	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
TEENAGE	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
TEENAGE	VEG. ING	7.59E+00	1.25E+02	1.77E+01	1.77E+01	1.56E+01	0.00E+00
TEENAGE	MEAT ING	8.45E-01	1.38E+01	2.23E+00	2.23E+00	1.91E+00	0.00E+00
TEENAGE	MILK ING	1.56E+00	3.26E+01	2.21E+00	2.21E+00	2.38E+00	0.00E+00
TEENAGE	TOTALS	3.03E+01	3.57E+02	1.19E+02	2.94E+01	2.55E+01	1.36E-01
ADULT	INHAL.	1.74E+01	1.74E+02	7.98E+01	5.85E+00	4.12E+00	0.00E+00
ADULT	GROUND	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
ADULT	CLOUD	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06	1.01E-06
ADULT	VEG. ING	4.31E+00	5.26E+01	1.16E+01	1.16E+01	9.91E+00	0.00E+00
ADULT	MEAT ING	6.17E-01	7.58E+00	1.84E+00	1.84E+00	1.54E+00	0.00E+00
ADULT	MILK ING	3.00E-01	4.53E+00	5.47E-01	5.47E-01	5.54E-01	0.00E+00
ADULT	TOTALS	2.27E+01	2.39E+02	9.39E+01	1.99E+01	1.63E+01	1.36E-01

NUMBER 7 NAME=Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.84E+01	1.98E+02	4.15E+02	4.03E+01	3.16E+01	1.87E+02
INFANT	GROUND	5.95E+00	5.95E+00	5.95E+00	5.95E+00	5.95E+00	5.95E+00
INFANT	CLOUD	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.96E+00	3.01E+01	1.52E+01	1.52E+01	1.80E+01	0.00E+00
INFANT	TOTALS	9.35E+01	2.35E+02	4.36E+02	6.16E+01	5.58E+01	1.93E+02
CHILD	INHAL.	4.27E+01	1.67E+02	1.89E+02	1.63E+01	1.08E+01	1.87E+02
CHILD	GROUND	5.95E+00	5.95E+00	5.95E+00	5.95E+00	5.95E+00	5.95E+00
CHILD	CLOUD	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01
CHILD	VEG. ING	4.64E+00	2.34E+01	1.99E+01	1.99E+01	1.53E+01	0.00E+00
CHILD	MEAT ING	5.36E-01	2.67E+00	2.55E+00	2.55E+00	1.91E+00	0.00E+00
CHILD	MILK ING	1.10E+00	7.31E+00	3.43E+00	3.43E+00	3.11E+00	0.00E+00
CHILD	TOTALS	5.51E+01	2.07E+02	2.21E+02	4.83E+01	3.73E+01	1.93E+02
TEENAGE	INHAL.	3.14E+01	1.86E+02	9.72E+01	7.08E+00	5.40E+00	1.87E+02
TEENAGE	GROUND	5.95E+00	5.95E+00	5.95E+00	5.95E+00	5.95E+00	5.95E+00
TEENAGE	CLOUD	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01
TEENAGE	VEG. ING	7.59E+00	1.25E+02	1.77E+01	1.77E+01	1.56E+01	0.00E+00
TEENAGE	MEAT ING	8.45E-01	1.38E+01	2.23E+00	2.23E+00	1.91E+00	0.00E+00
TEENAGE	MILK ING	1.56E+00	3.26E+01	2.21E+00	2.21E+00	2.38E+00	0.00E+00
TEENAGE	TOTALS	4.75E+01	3.63E+02	1.25E+02	3.54E+01	3.14E+01	1.93E+02
ADULT	INHAL.	2.86E+01	1.74E+02	7.98E+01	5.85E+00	4.12E+00	1.87E+02
ADULT	GROUND	5.95E+00	5.95E+00	5.95E+00	5.95E+00	5.95E+00	5.95E+00
ADULT	CLOUD	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01
ADULT	VEG. ING	4.31E+00	5.26E+01	1.16E+01	1.16E+01	9.91E+00	0.00E+00
ADULT	MEAT ING	6.17E-01	7.58E+00	1.84E+00	1.84E+00	1.54E+00	0.00E+00
ADULT	MILK ING	3.00E-01	4.53E+00	5.47E-01	5.47E-01	5.55E-01	0.00E+00
ADULT	TOTALS	4.00E+01	2.45E+02	9.99E+01	2.59E+01	2.23E+01	1.93E+02

NUMBER 8 NAME=Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION. MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.93E+01	2.40E+02	6.51E+02	4.88E+01	3.85E+01	0.00E+00
INFANT	GROUND	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01
INFANT	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.28E+01	4.21E+01	1.84E+01	1.84E+01	2.79E+01	0.00E+00
INFANT	TOTALS	1.12E+02	2.83E+02	6.70E+02	6.74E+01	6.66E+01	2.09E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.67E+01	2.03E+02	3.00E+02	1.97E+01	1.32E+01	0.00E+00
CHILD	GROUND	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01
CHILD	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
CHILD	VEG. ING	5.79E+00	2.92E+01	2.42E+01	2.42E+01	1.95E+01	0.00E+00
CHILD	MEAT ING	6.60E-01	3.28E+00	3.10E+00	3.10E+00	2.38E+00	0.00E+00
CHILD	MILK ING	1.46E+00	9.45E+00	4.18E+00	4.18E+00	4.50E+00	0.00E+00
CHILD	TOTALS	5.48E+01	2.45E+02	3.32E+02	5.13E+01	3.98E+01	2.09E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.89E+01	2.25E+02	1.55E+02	8.57E+00	6.61E+00	0.00E+00
TEENAGE	GROUND	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01
TEENAGE	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
TEENAGE	VEG. ING	9.42E+00	1.56E+02	2.15E+01	2.15E+01	1.99E+01	0.00E+00
TEENAGE	MEAT ING	1.04E+00	1.70E+01	2.71E+00	2.71E+00	2.37E+00	0.00E+00
TEENAGE	MILK ING	2.00E+00	4.22E+01	2.68E+00	2.68E+00	3.43E+00	0.00E+00
TEENAGE	TOTALS	4.16E+01	4.41E+02	1.82E+02	3.57E+01	3.26E+01	2.09E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.48E+01	2.11E+02	1.28E+02	7.08E+00	5.05E+00	0.00E+00
ADULT	GROUND	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01
ADULT	CLOUD	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
ADULT	VEG. ING	5.32E+00	6.52E+01	1.40E+01	1.40E+01	1.26E+01	0.00E+00
ADULT	MEAT ING	7.56E-01	9.30E+00	2.24E+00	2.24E+00	1.91E+00	0.00E+00
ADULT	MILK ING	3.84E-01	5.78E+00	6.65E-01	6.65E-01	7.88E-01	0.00E+00
ADULT	TOTALS	3.14E+01	2.92E+02	1.45E+02	2.42E+01	2.05E+01	2.09E-01



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 8 NAME=Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.07E+02	2.40E+02	6.51E+02	4.88E+01	3.86E+01	1.32E+02
INFANT	GROUND	7.53E+00	7.53E+00	7.53E+00	7.53E+00	7.53E+00	7.53E+00
INFANT	CLOUD	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.28E+01	4.21E+01	1.85E+01	1.85E+01	2.79E+01	0.00E+00
INFANT	TOTALS	1.28E+02	2.90E+02	6.77E+02	7.49E+01	7.41E+01	1.39E+02
CHILD	INHAL.	5.46E+01	2.03E+02	3.00E+02	1.97E+01	1.32E+01	1.32E+02
CHILD	GROUND	7.53E+00	7.53E+00	7.53E+00	7.53E+00	7.53E+00	7.53E+00
CHILD	CLOUD	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01
CHILD	VEG. ING	5.79E+00	2.92E+01	2.42E+01	2.42E+01	1.95E+01	0.00E+00
CHILD	MEAT ING	6.60E-01	3.29E+00	3.10E+00	3.10E+00	2.38E+00	0.00E+00
CHILD	MILK ING	1.46E+00	9.45E+00	4.18E+00	4.18E+00	4.50E+00	0.00E+00
CHILD	TOTALS	7.02E+01	2.52E+02	3.39E+02	5.88E+01	4.73E+01	1.39E+02
TEENAGE	INHAL.	3.68E+01	2.25E+02	1.55E+02	8.58E+00	6.61E+00	1.32E+02
TEENAGE	GROUND	7.53E+00	7.53E+00	7.53E+00	7.53E+00	7.53E+00	7.53E+00
TEENAGE	CLOUD	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01
TEENAGE	VEG. ING	9.42E+00	1.56E+02	2.15E+01	2.15E+01	1.99E+01	0.00E+00
TEENAGE	MEAT ING	1.04E+00	1.70E+01	2.71E+00	2.71E+00	2.37E+00	0.00E+00
TEENAGE	MILK ING	2.00E+00	4.22E+01	2.68E+00	2.68E+00	3.43E+00	0.00E+00
TEENAGE	TOTALS	5.70E+01	4.49E+02	1.90E+02	4.32E+01	4.01E+01	1.39E+02
ADULT	INHAL.	3.27E+01	2.11E+02	1.28E+02	7.08E+00	5.05E+00	1.32E+02
ADULT	GROUND	7.53E+00	7.53E+00	7.53E+00	7.53E+00	7.53E+00	7.53E+00
ADULT	CLOUD	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01
ADULT	VEG. ING	5.32E+00	6.52E+01	1.40E+01	1.40E+01	1.26E+01	0.00E+00
ADULT	MEAT ING	7.56E-01	9.30E+00	2.24E+00	2.24E+00	1.91E+00	0.00E+00
ADULT	MILK ING	3.84E-01	5.78E+00	6.65E-01	6.65E-01	7.88E-01	0.00E+00
ADULT	TOTALS	4.68E+01	2.99E+02	1.53E+02	3.17E+01	2.80E+01	1.39E+02

NUMBER 9 NAME=Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.89E+02	6.19E+02	1.95E+03	1.26E+02	9.98E+01	0.00E+00
INFANT	GROUND	6.19E-01	6.19E-01	6.19E-01	6.19E-01	6.19E-01	6.19E-01
INFANT	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.67E+01	1.19E+02	4.77E+01	4.77E+01	8.30E+01	0.00E+00
INFANT	TOTALS	3.26E+02	7.39E+02	2.00E+03	1.74E+02	1.83E+02	6.19E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.36E+02	5.22E+02	9.07E+02	5.06E+01	3.42E+01	0.00E+00
CHILD	GROUND	6.19E-01	6.19E-01	6.19E-01	6.19E-01	6.19E-01	6.19E-01
CHILD	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
CHILD	VEG. ING	1.52E+01	7.67E+01	6.23E+01	6.23E+01	5.21E+01	0.00E+00
CHILD	MEAT ING	1.72E+00	8.56E+00	8.00E+00	8.00E+00	6.24E+00	0.00E+00
CHILD	MILK ING	3.99E+00	2.54E+01	1.08E+01	1.08E+01	1.29E+01	0.00E+00
CHILD	TOTALS	1.58E+02	6.34E+02	9.88E+02	1.32E+02	1.06E+02	6.19E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.28E+01	5.80E+02	4.69E+02	2.21E+01	1.72E+01	0.00E+00
TEENAGE	GROUND	6.19E-01	6.19E-01	6.19E-01	6.19E-01	6.19E-01	6.19E-01
TEENAGE	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
TEENAGE	VEG. ING	2.47E+01	4.12E+02	5.55E+01	5.55E+01	5.32E+01	0.00E+00
TEENAGE	MEAT ING	2.70E+00	4.43E+01	7.00E+00	7.00E+00	6.22E+00	0.00E+00
TEENAGE	MILK ING	5.38E+00	1.14E+02	6.93E+00	6.93E+00	9.86E+00	0.00E+00
TEENAGE	TOTALS	1.16E+02	1.15E+03	5.39E+02	9.21E+01	8.71E+01	6.19E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.07E+01	5.44E+02	3.87E+02	1.82E+01	1.31E+01	0.00E+00
ADULT	GROUND	6.19E-01	6.19E-01	6.19E-01	6.19E-01	6.19E-01	6.19E-01
ADULT	CLOUD	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.97E-06
ADULT	VEG. ING	1.39E+01	1.71E+02	3.62E+01	3.62E+01	3.34E+01	0.00E+00
ADULT	MEAT ING	1.96E+00	2.42E+01	5.78E+00	5.78E+00	4.99E+00	0.00E+00
ADULT	MILK ING	1.03E+00	1.54E+01	1.72E+00	1.72E+00	2.25E+00	0.00E+00
ADULT	TOTALS	8.82E+01	7.55E+02	4.32E+02	6.25E+01	5.44E+01	6.19E-01

NUMBER 9 NAME-Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.00E+02	6.19E+02	1.95E+03	1.26E+02	9.98E+01	1.75E+02
INFANT	GROUND	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
INFANT	CLOUD	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.67E+01	1.19E+02	4.77E+01	4.77E+01	8.30E+01	0.00E+00
INFANT	TOTALS	3.57E+02	7.59E+02	2.02E+03	1.93E+02	2.03E+02	1.95E+02
CHILD	INHAL.	1.47E+02	5.22E+02	9.07E+02	5.07E+01	3.42E+01	1.75E+02
CHILD	GROUND	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
CHILD	CLOUD	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01
CHILD	VEG. ING	1.52E+01	7.67E+01	6.23E+01	6.23E+01	5.21E+01	0.00E+00
CHILD	MEAT ING	1.72E+00	8.56E+00	8.00E+00	8.00E+00	6.24E+00	0.00E+00
CHILD	MILK ING	3.99E+00	2.54E+01	1.08E+01	1.08E+01	1.29E+01	0.00E+00
CHILD	TOTALS	1.88E+02	6.53E+02	1.01E+03	1.52E+02	1.26E+02	1.95E+02
TEENAGE	INHAL.	9.33E+01	5.80E+02	4.69E+02	2.21E+01	1.72E+01	1.75E+02
TEENAGE	GROUND	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
TEENAGE	CLOUD	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01
TEENAGE	VEG. ING	2.47E+01	4.12E+02	5.55E+01	5.55E+01	5.32E+01	0.00E+00
TEENAGE	MEAT ING	2.70E+00	4.43E+01	7.00E+00	7.00E+00	6.22E+00	0.00E+00
TEENAGE	MILK ING	5.38E+00	1.14E+02	6.93E+00	6.93E+00	9.86E+00	0.00E+00
TEENAGE	TOTALS	1.46E+02	1.17E+03	5.59E+02	1.12E+02	1.07E+02	1.95E+02
ADULT	INHAL.	8.13E+01	5.44E+02	3.87E+02	1.82E+01	1.31E+01	1.75E+02
ADULT	GROUND	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
ADULT	CLOUD	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01
ADULT	VEG. ING	1.39E+01	1.71E+02	3.62E+01	3.62E+01	3.34E+01	0.00E+00
ADULT	MEAT ING	1.96E+00	2.42E+01	5.78E+00	5.78E+00	5.00E+00	0.00E+00
ADULT	MILK ING	1.03E+00	1.54E+01	1.72E+00	1.72E+00	2.25E+00	0.00E+00
ADULT	TOTALS	1.18E+02	7.75E+02	4.51E+02	8.21E+01	7.40E+01	1.95E+02

NUMBER 10 NAME=Bailroil X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.78E-01	4.78E-01	1.13E+00	9.71E-02	7.64E-02	0.00E+00
INFANT	GROUND	3.68E-04	3.68E-04	3.68E-04	3.68E-04	3.68E-04	3.68E-04
INFANT	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.34E-02	7.77E-02	3.66E-02	3.66E-02	4.90E-02	0.00E+00
INFANT	TOTALS	2.02E-01	5.56E-01	1.17E+00	1.34E-01	1.26E-01	3.68E-04
CHILD	INHAL.	8.37E-02	4.04E-01	5.20E-01	3.92E-02	2.61E-02	0.00E+00
CHILD	GROUND	3.68E-04	3.68E-04	3.68E-04	3.68E-04	3.68E-04	3.68E-04
CHILD	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
CHILD	VEG. ING	1.13E-02	5.72E-02	4.80E-02	4.80E-02	3.78E-02	0.00E+00
CHILD	MEAT ING	1.30E-03	6.48E-03	6.16E-03	6.16E-03	4.67E-03	0.00E+00
CHILD	MILK ING	2.76E-03	1.82E-02	8.30E-03	8.30E-03	8.16E-03	0.00E+00
CHILD	TOTALS	9.94E-02	4.86E-01	5.83E-01	1.02E-01	7.72E-02	3.68E-04
TEENAGE	INHAL.	5.27E-02	4.48E-01	2.68E-01	1.71E-02	1.31E-02	0.00E+00
TEENAGE	GROUND	3.68E-04	3.68E-04	3.68E-04	3.68E-04	3.68E-04	3.68E-04
TEENAGE	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
TEENAGE	VEG. ING	1.85E-02	3.06E-01	4.28E-02	4.28E-02	3.86E-02	0.00E+00
TEENAGE	MEAT ING	2.05E-03	3.34E-02	5.39E-03	5.39E-03	4.65E-03	0.00E+00
TEENAGE	MILK ING	3.86E-03	8.10E-02	5.33E-03	5.33E-03	6.23E-03	0.00E+00
TEENAGE	TOTALS	7.75E-02	8.69E-01	3.22E-01	7.09E-02	6.29E-02	3.68E-04
ADULT	INHAL.	4.53E-02	4.21E-01	2.21E-01	1.41E-02	9.98E-03	0.00E+00
ADULT	GROUND	3.68E-04	3.68E-04	3.68E-04	3.68E-04	3.68E-04	3.68E-04
ADULT	CLOUD	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09	2.80E-09
ADULT	VEG. ING	1.05E-02	1.28E-01	2.79E-02	2.79E-02	2.44E-02	0.00E+00
ADULT	MEAT ING	1.50E-03	1.84E-02	4.45E-03	4.45E-03	3.75E-03	0.00E+00
ADULT	MILK ING	7.43E-04	1.12E-02	1.32E-03	1.32E-03	1.44E-03	0.00E+00
ADULT	TOTALS	5.84E-02	5.79E-01	2.55E-01	4.81E-02	3.99E-02	3.68E-04

REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 298  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 6, XS -    DURATION IN YRS IS... 3.0  
 NUMBER 10 NAME=Ballroil    X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

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 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.30E-01	5.09E-01	1.14E+00	2.57E-01	1.39E-01	2.37E+00
INFANT	GROUND	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
INFANT	CLOUD	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.91E-02	8.89E-02	5.75E-02	5.75E-02	6.74E-02	0.00E+00
INFANT	TOTALS	3.94E-01	6.33E-01	1.23E+00	3.49E-01	2.41E-01	2.40E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.31E-01	4.27E-01	5.21E-01	1.10E-01	5.54E-02	2.37E+00
CHILD	GROUND	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
CHILD	CLOUD	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02
CHILD	VEG. ING	1.69E-02	8.23E-02	7.76E-02	7.76E-02	5.96E-02	0.00E+00
CHILD	MEAT ING	2.02E-03	9.73E-03	9.99E-03	9.99E-03	7.49E-03	0.00E+00
CHILD	MILK ING	3.68E-03	2.23E-02	1.32E-02	1.32E-02	1.17E-02	0.00E+00
CHILD	TOTALS	2.88E-01	5.76E-01	6.57E-01	2.46E-01	1.69E-01	2.40E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.00E-01	5.06E-01	2.69E-01	4.75E-02	2.77E-02	2.37E+00
TEENAGE	GROUND	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
TEENAGE	CLOUD	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02
TEENAGE	VEG. ING	2.68E-02	4.27E-01	6.90E-02	6.90E-02	6.04E-02	0.00E+00
TEENAGE	MEAT ING	3.10E-03	4.89E-02	8.74E-03	8.74E-03	7.42E-03	0.00E+00
TEENAGE	MILK ING	4.84E-03	9.54E-02	8.43E-03	8.43E-03	8.80E-03	0.00E+00
TEENAGE	TOTALS	2.69E-01	1.11E+00	3.90E-01	1.69E-01	1.39E-01	2.40E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.92E-01	4.55E-01	2.21E-01	3.95E-02	2.22E-02	2.37E+00
ADULT	GROUND	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
ADULT	CLOUD	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02
ADULT	VEG. ING	1.55E-02	1.86E-01	4.51E-02	4.51E-02	3.84E-02	0.00E+00
ADULT	MEAT ING	2.30E-03	2.77E-02	7.22E-03	7.22E-03	6.00E-03	0.00E+00
ADULT	MILK ING	9.69E-04	1.38E-02	2.10E-03	2.10E-03	2.08E-03	0.00E+00
ADULT	TOTALS	2.45E-01	7.17E-01	3.10E-01	1.29E-01	1.03E-01	2.40E+00

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

PAGE 299  
 02/25/94  
 DURATION IN YRS IS... 3.0

TIME STEP NUMBER 6, XS =

NUMBER 11 NAME=Jeffrey City X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.63E-01	4.32E-01	1.05E+00	8.77E-02	6.90E-02	0.00E+00
INFANT	GROUND	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04
INFANT	CLOUD	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.14E-02	7.09E-02	3.31E-02	3.31E-02	4.50E-02	0.00E+00
INFANT	TOTALS	1.85E-01	5.03E-01	1.08E+00	1.21E-01	1.14E-01	3.39E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.67E-02	3.64E-01	4.79E-01	3.54E-02	2.36E-02	0.00E+00
CHILD	GROUND	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04
CHILD	CLOUD	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09
CHILD	VEG. ING	1.03E-02	5.18E-02	4.34E-02	4.34E-02	3.43E-02	0.00E+00
CHILD	MEAT ING	1.18E-03	5.86E-03	5.56E-03	5.56E-03	4.23E-03	0.00E+00
CHILD	MILK ING	2.51E-03	1.65E-02	7.49E-03	7.49E-03	7.47E-03	0.00E+00
CHILD	TOTALS	9.10E-02	4.39E-01	5.36E-01	9.21E-02	6.99E-02	3.39E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.82E-02	4.05E-01	2.47E-01	1.54E-02	1.18E-02	0.00E+00
TEENAGE	GROUND	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04
TEENAGE	CLOUD	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09
TEENAGE	VEG. ING	1.67E-02	2.77E-01	3.86E-02	3.86E-02	3.50E-02	0.00E+00
TEENAGE	MEAT ING	1.85E-03	3.02E-02	4.87E-03	4.87E-03	4.21E-03	0.00E+00
TEENAGE	MILK ING	3.50E-03	7.35E-02	4.81E-03	4.81E-03	5.70E-03	0.00E+00
TEENAGE	TOTALS	7.06E-02	7.86E-01	2.96E-01	6.41E-02	5.71E-02	3.39E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.14E-02	3.80E-01	2.04E-01	1.27E-02	9.02E-03	0.00E+00
ADULT	GROUND	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04
ADULT	CLOUD	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09
ADULT	VEG. ING	9.47E-03	1.16E-01	2.52E-02	2.52E-02	2.21E-02	0.00E+00
ADULT	MEAT ING	1.35E-03	1.66E-02	4.02E-03	4.02E-03	3.39E-03	0.00E+00
ADULT	MILK ING	6.74E-04	1.01E-02	1.19E-03	1.19E-03	1.32E-03	0.00E+00
ADULT	TOTALS	5.32E-02	5.23E-01	2.34E-01	4.35E-02	3.62E-02	3.39E-04

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 6. XS =

PAGE 300  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 11 NAME-Jeffrey City X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

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 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.20E-01	4.49E-01	1.05E+00	1.75E-01	1.03E-01	8.54E-01
INFANT	GROUND	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02
INFANT	CLOUD	7.37E-03	7.37E-03	7.37E-03	7.37E-03	7.37E-03	7.37E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.45E-02	7.71E-02	4.45E-02	4.45E-02	5.51E-02	0.00E+00
INFANT	TOTALS	2.65E-01	5.47E-01	1.11E+00	2.40E-01	1.79E-01	8.75E-01
CHILD	INHAL.	1.31E-01	3.77E-01	4.80E-01	7.42E-02	3.96E-02	8.54E-01
CHILD	GROUND	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02
CHILD	CLOUD	7.37E-03	7.37E-03	7.37E-03	7.37E-03	7.37E-03	7.37E-03
CHILD	VEG. ING	1.33E-02	6.55E-02	5.95E-02	5.95E-02	4.62E-02	0.00E+00
CHILD	MEAT ING	1.57E-03	7.64E-03	7.65E-03	7.65E-03	5.76E-03	0.00E+00
CHILD	MILK ING	3.01E-03	1.87E-02	1.02E-02	1.02E-02	9.43E-03	0.00E+00
CHILD	TOTALS	1.69E-01	4.90E-01	5.78E-01	1.72E-01	1.22E-01	8.75E-01
TEENAGE	INHAL.	1.02E-01	4.36E-01	2.48E-01	3.21E-02	1.98E-02	8.54E-01
TEENAGE	GROUND	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02
TEENAGE	CLOUD	7.37E-03	7.37E-03	7.37E-03	7.37E-03	7.37E-03	7.37E-03
TEENAGE	VEG. ING	2.13E-02	3.43E-01	5.30E-02	5.30E-02	4.69E-02	0.00E+00
TEENAGE	MEAT ING	2.43E-03	3.87E-02	6.69E-03	6.69E-03	5.72E-03	0.00E+00
TEENAGE	MILK ING	4.03E-03	8.14E-02	6.51E-03	6.51E-03	7.11E-03	0.00E+00
TEENAGE	TOTALS	1.51E-01	9.20E-01	3.35E-01	1.19E-01	1.00E-01	8.75E-01
ADULT	INHAL.	9.49E-02	3.98E-01	2.04E-01	2.66E-02	1.57E-02	8.54E-01
ADULT	GROUND	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02
ADULT	CLOUD	7.37E-03	7.37E-03	7.37E-03	7.37E-03	7.37E-03	7.37E-03
ADULT	VEG. ING	1.22E-02	1.48E-01	3.46E-02	3.46E-02	2.97E-02	0.00E+00
ADULT	MEAT ING	1.79E-03	2.17E-02	5.53E-03	5.53E-03	4.62E-03	0.00E+00
ADULT	MILK ING	7.97E-04	1.16E-02	1.62E-03	1.62E-03	1.66E-03	0.00E+00
ADULT	TOTALS	1.30E-01	6.00E-01	2.66E-01	8.91E-02	7.25E-02	8.75E-01

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

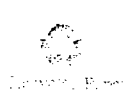
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.36E-02	8.91E-02	2.15E-01	1.81E-02	1.42E-02	0.00E+00
INFANT	GROUND	6.95E-05	6.95E-05	6.95E-05	6.95E-05	6.95E-05	6.95E-05
INFANT	CLOUD	5.31E-10	5.31E-10	5.31E-10	5.31E-10	5.31E-10	5.31E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.40E-03	1.46E-02	6.83E-03	6.83E-03	9.25E-03	0.00E+00
INFANT	TOTALS	3.81E-02	1.04E-01	2.21E-01	2.50E-02	2.36E-02	6.95E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.58E-02	7.52E-02	9.84E-02	7.30E-03	4.87E-03	0.00E+00
CHILD	GROUND	6.95E-05	6.95E-05	6.95E-05	6.95E-05	6.95E-05	6.95E-05
CHILD	CLOUD	5.31E-10	5.31E-10	5.31E-10	5.31E-10	5.31E-10	5.31E-10
CHILD	VEG. ING	2.12E-03	1.07E-02	8.95E-03	8.95E-03	7.07E-03	0.00E+00
CHILD	MEAT ING	2.43E-04	1.21E-03	1.15E-03	1.15E-03	8.71E-04	0.00E+00
CHILD	MILK ING	5.18E-04	3.40E-03	1.55E-03	1.55E-03	1.54E-03	0.00E+00
CHILD	TOTALS	1.87E-02	9.05E-02	1.10E-01	1.90E-02	1.44E-02	6.95E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	9.91E-03	8.35E-02	5.07E-02	3.18E-03	2.44E-03	0.00E+00
TEENAGE	GROUND	6.95E-05	6.95E-05	6.95E-05	6.95E-05	6.95E-05	6.95E-05
TEENAGE	CLOUD	5.31E-10	5.31E-10	5.31E-10	5.31E-10	5.31E-10	5.31E-10
TEENAGE	VEG. ING	3.45E-03	5.71E-02	7.97E-03	7.97E-03	7.21E-03	0.00E+00
TEENAGE	MEAT ING	3.82E-04	6.24E-03	1.00E-03	1.00E-03	8.68E-04	0.00E+00
TEENAGE	MILK ING	7.22E-04	1.52E-02	9.93E-04	9.93E-04	1.17E-03	0.00E+00
TEENAGE	TOTALS	1.45E-02	1.62E-01	6.08E-02	1.32E-02	1.18E-02	6.95E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	8.51E-03	7.84E-02	4.18E-02	2.63E-03	1.86E-03	0.00E+00
ADULT	GROUND	6.95E-05	6.95E-05	6.95E-05	6.95E-05	6.95E-05	6.95E-05
ADULT	CLOUD	5.31E-10	5.31E-10	5.31E-10	5.31E-10	5.31E-10	5.31E-10
ADULT	VEG. ING	1.95E-03	2.39E-02	5.20E-03	5.20E-03	4.56E-03	0.00E+00
ADULT	MEAT ING	2.79E-04	3.43E-03	8.29E-04	8.29E-04	6.99E-04	0.00E+00
ADULT	MILK ING	1.39E-04	2.09E-03	2.46E-04	2.46E-04	2.71E-04	0.00E+00
ADULT	TOTALS	1.10E-02	1.08E-01	4.81E-02	8.97E-03	7.46E-03	6.95E-05



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 302  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 6, XS = DURATION IN YRS IS... 3.0  
 NUMBER 12 NAME=Rawlins X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.88E-02	9.72E-02	2.15E-01	6.02E-02	3.06E-02	3.77E-01
INFANT	GROUND	2.80E-03	2.80E-03	2.80E-03	2.80E-03	2.80E-03	2.80E-03
INFANT	CLOUD	3.25E-03	3.25E-03	3.25E-03	3.25E-03	3.25E-03	3.25E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.90E-03	1.76E-02	1.23E-02	1.23E-02	1.41E-02	0.00E+00
INFANT	TOTALS	7.08E-02	1.21E-01	2.34E-01	7.86E-02	5.08E-02	3.83E-01
CHILD	INHAL.	3.97E-02	8.13E-02	9.88E-02	2.60E-02	1.26E-02	3.77E-01
CHILD	GROUND	2.80E-03	2.80E-03	2.80E-03	2.80E-03	2.80E-03	2.80E-03
CHILD	CLOUD	3.25E-03	3.25E-03	3.25E-03	3.25E-03	3.25E-03	3.25E-03
CHILD	VEG. ING	3.58E-03	1.73E-02	1.67E-02	1.67E-02	1.28E-02	0.00E+00
CHILD	MEAT ING	4.32E-04	2.07E-03	2.16E-03	2.16E-03	1.61E-03	0.00E+00
CHILD	MILK ING	7.58E-04	4.49E-03	2.83E-03	2.83E-03	2.48E-03	0.00E+00
CHILD	TOTALS	5.05E-02	1.11E-01	1.27E-01	5.38E-02	3.55E-02	3.83E-01
TEENAGE	INHAL.	3.38E-02	9.87E-02	5.09E-02	1.12E-02	6.29E-03	3.77E-01
TEENAGE	GROUND	2.80E-03	2.80E-03	2.80E-03	2.80E-03	2.80E-03	2.80E-03
TEENAGE	CLOUD	3.25E-03	3.25E-03	3.25E-03	3.25E-03	3.25E-03	3.25E-03
TEENAGE	VEG. ING	5.63E-03	8.91E-02	1.49E-02	1.49E-02	1.29E-02	0.00E+00
TEENAGE	MEAT ING	6.60E-04	1.03E-02	1.89E-03	1.89E-03	1.60E-03	0.00E+00
TEENAGE	MILK ING	9.79E-04	1.89E-02	1.81E-03	1.81E-03	1.85E-03	0.00E+00
TEENAGE	TOTALS	4.72E-02	2.23E-01	7.56E-02	3.58E-02	2.87E-02	3.83E-01
ADULT	INHAL.	3.22E-02	8.73E-02	4.19E-02	9.31E-03	5.07E-03	3.77E-01
ADULT	GROUND	2.80E-03	2.80E-03	2.80E-03	2.80E-03	2.80E-03	2.80E-03
ADULT	CLOUD	3.25E-03	3.25E-03	3.25E-03	3.25E-03	3.25E-03	3.25E-03
ADULT	VEG. ING	3.27E-03	3.91E-02	9.72E-03	9.72E-03	8.24E-03	0.00E+00
ADULT	MEAT ING	4.91E-04	5.88E-03	1.56E-03	1.56E-03	1.29E-03	0.00E+00
ADULT	MILK ING	1.98E-04	2.78E-03	4.51E-04	4.51E-04	4.38E-04	0.00E+00
ADULT	TOTALS	4.22E-02	1.41E-01	5.97E-02	2.71E-02	2.11E-02	3.83E-01



TIME STEP NUMBER 6, XS -

NUMBER 13 NAME=Special Receptor #1 X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.43E+02	4.54E+02	8.62E+02	9.23E+01	7.22E+01	0.00E+00
INFANT	GROUND	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01
INFANT	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.93E+01	6.56E+01	3.47E+01	3.47E+01	3.77E+01	0.00E+00
INFANT	TOTALS	1.63E+02	5.20E+02	8.97E+02	1.27E+02	1.10E+02	2.86E-01
CHILD	INHAL.	6.70E+01	3.83E+02	3.89E+02	3.72E+01	2.46E+01	0.00E+00
CHILD	GROUND	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01
CHILD	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
CHILD	VEG. ING	1.05E+01	5.32E+01	4.56E+01	4.56E+01	3.46E+01	0.00E+00
CHILD	MEAT ING	1.22E+00	6.09E+00	5.84E+00	5.84E+00	4.35E+00	0.00E+00
CHILD	MILK ING	2.44E+00	1.64E+01	7.86E+00	7.86E+00	6.69E+00	0.00E+00
CHILD	TOTALS	8.14E+01	4.59E+02	4.49E+02	9.68E+01	7.05E+01	2.86E-01
TEENAGE	INHAL.	4.35E+01	4.26E+02	2.00E+02	1.62E+01	1.23E+01	0.00E+00
TEENAGE	GROUND	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01
TEENAGE	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
TEENAGE	VEG. ING	1.73E+01	2.83E+02	4.06E+01	4.06E+01	3.52E+01	0.00E+00
TEENAGE	MEAT ING	1.93E+00	3.13E+01	5.11E+00	5.11E+00	4.33E+00	0.00E+00
TEENAGE	MILK ING	3.50E+00	7.31E+01	5.05E+00	5.05E+00	5.12E+00	0.00E+00
TEENAGE	TOTALS	6.65E+01	8.14E+02	2.51E+02	6.73E+01	5.73E+01	2.86E-01
ADULT	INHAL.	3.76E+01	4.00E+02	1.64E+02	1.34E+01	9.40E+00	0.00E+00
ADULT	GROUND	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01
ADULT	CLOUD	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06
ADULT	VEG. ING	9.81E+00	1.20E+02	2.65E+01	2.65E+01	2.24E+01	0.00E+00
ADULT	MEAT ING	1.41E+00	1.73E+01	4.22E+00	4.22E+00	3.50E+00	0.00E+00
ADULT	MILK ING	6.76E-01	1.02E+01	1.25E+00	1.25E+00	1.20E+00	0.00E+00
ADULT	TOTALS	4.97E+01	5.47E+02	1.96E+02	4.56E+01	3.68E+01	2.86E-01

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.71E+02	4.54E+02	8.62E+02	9.23E+01	7.22E+01	4.57E+02
INFANT	GROUND	1.34E+01	1.34E+01	1.34E+01	1.34E+01	1.34E+01	1.34E+01
INFANT	CLOUD	1.47E-01	1.47E-01	1.47E-01	1.47E-01	1.47E-01	1.47E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.93E+01	6.56E+01	3.47E+01	3.47E+01	3.77E+01	0.00E+00
INFANT	TOTALS	2.04E+02	5.33E+02	9.10E+02	1.41E+02	1.24E+02	4.70E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.44E+01	3.83E+02	3.89E+02	3.72E+01	2.46E+01	4.57E+02
CHILD	GROUND	1.34E+01	1.34E+01	1.34E+01	1.34E+01	1.34E+01	1.34E+01
CHILD	CLOUD	1.47E-01	1.47E-01	1.47E-01	1.47E-01	1.47E-01	1.47E-01
CHILD	VEG. ING	1.05E+01	5.32E+01	4.56E+01	4.56E+01	3.46E+01	0.00E+00
CHILD	MEAT ING	1.22E+00	6.09E+00	5.84E+00	5.84E+00	4.35E+00	0.00E+00
CHILD	MILK ING	2.44E+00	1.64E+01	7.86E+00	7.86E+00	6.69E+00	0.00E+00
CHILD	TOTALS	1.22E+02	4.73E+02	4.62E+02	1.10E+02	8.38E+01	4.70E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.09E+01	4.26E+02	2.00E+02	1.62E+01	1.23E+01	4.57E+02
TEENAGE	GROUND	1.34E+01	1.34E+01	1.34E+01	1.34E+01	1.34E+01	1.34E+01
TEENAGE	CLOUD	1.47E-01	1.47E-01	1.47E-01	1.47E-01	1.47E-01	1.47E-01
TEENAGE	VEG. ING	1.73E+01	2.84E+02	4.06E+01	4.06E+01	3.52E+01	0.00E+00
TEENAGE	MEAT ING	1.93E+00	3.13E+01	5.11E+00	5.11E+00	4.33E+00	0.00E+00
TEENAGE	MILK ING	3.50E+00	7.31E+01	5.05E+00	5.05E+00	5.12E+00	0.00E+00
TEENAGE	TOTALS	1.07E+02	8.27E+02	2.64E+02	8.05E+01	7.06E+01	4.70E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.50E+01	4.00E+02	1.64E+02	1.34E+01	9.40E+00	4.57E+02
ADULT	GROUND	1.34E+01	1.34E+01	1.34E+01	1.34E+01	1.34E+01	1.34E+01
ADULT	CLOUD	1.47E-01	1.47E-01	1.47E-01	1.47E-01	1.47E-01	1.47E-01
ADULT	VEG. ING	9.81E+00	1.20E+02	2.65E+01	2.65E+01	2.24E+01	0.00E+00
ADULT	MEAT ING	1.41E+00	1.73E+01	4.22E+00	4.22E+00	3.50E+00	0.00E+00
ADULT	MILK ING	6.76E-01	1.02E+01	1.25E+00	1.25E+00	1.20E+00	0.00E+00
ADULT	TOTALS	9.04E+01	5.61E+02	2.10E+02	5.89E+01	5.01E+01	4.70E+02

NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.89E+01	1.14E+02	2.41E+02	2.32E+01	1.82E+01	0.00E+00
INFANT	GROUND	7.90E-02	7.90E-02	7.90E-02	7.90E-02	7.90E-02	7.90E-02
INFANT	CLOUD	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.18E+00	1.74E+01	8.73E+00	8.73E+00	1.05E+01	0.00E+00
INFANT	TOTALS	4.42E+01	1.32E+02	2.50E+02	3.20E+01	2.87E+01	7.90E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.82E+01	9.63E+01	1.10E+02	9.35E+00	6.21E+00	0.00E+00
CHILD	GROUND	7.90E-02	7.90E-02	7.90E-02	7.90E-02	7.90E-02	7.90E-02
CHILD	CLOUD	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07
CHILD	VEG. ING	2.67E+00	1.35E+01	1.15E+01	1.15E+01	8.84E+00	0.00E+00
CHILD	MEAT ING	3.09E-01	1.54E+00	1.47E+00	1.47E+00	1.10E+00	0.00E+00
CHILD	MILK ING	6.34E-01	4.21E+00	1.98E+00	1.98E+00	1.80E+00	0.00E+00
CHILD	TOTALS	2.19E+01	1.16E+02	1.25E+02	2.43E+01	1.80E+01	7.90E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.17E+01	1.07E+02	5.64E+01	4.08E+00	3.11E+00	0.00E+00
TEENAGE	GROUND	7.90E-02	7.90E-02	7.90E-02	7.90E-02	7.90E-02	7.90E-02
TEENAGE	CLOUD	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07
TEENAGE	VEG. ING	4.37E+00	7.20E+01	1.02E+01	1.02E+01	9.02E+00	0.00E+00
TEENAGE	MEAT ING	4.87E-01	7.92E+00	1.28E+00	1.28E+00	1.10E+00	0.00E+00
TEENAGE	MILK ING	8.98E-01	1.88E+01	1.27E+00	1.27E+00	1.38E+00	0.00E+00
TEENAGE	TOTALS	1.75E+01	2.06E+02	6.93E+01	1.69E+01	1.47E+01	7.90E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.00E+01	1.00E+02	4.64E+01	3.37E+00	2.37E+00	0.00E+00
ADULT	GROUND	7.90E-02	7.90E-02	7.90E-02	7.90E-02	7.90E-02	7.90E-02
ADULT	CLOUD	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07	5.85E-07
ADULT	VEG. ING	2.48E+00	3.03E+01	6.65E+00	6.65E+00	5.71E+00	0.00E+00
ADULT	MEAT ING	3.56E-01	4.37E+00	1.06E+00	1.06E+00	8.86E-01	0.00E+00
ADULT	MILK ING	1.73E-01	2.61E+00	3.15E-01	3.15E-01	3.21E-01	0.00E+00
ADULT	TOTALS	1.31E+01	1.38E+02	5.45E+01	1.15E+01	9.37E+00	7.90E-02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 6, XS =

PAGE 306  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.69E+01	1.14E+02	2.41E+02	2.32E+01	1.82E+01	1.34E+02
INFANT	GROUND	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.43E+00
INFANT	CLOUD	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.18E+00	1.74E+01	8.74E+00	8.74E+00	1.05E+01	0.00E+00
INFANT	TOTALS	5.58E+01	1.35E+02	2.53E+02	3.57E+01	3.24E+01	1.37E+02
CHILD	INHAL.	2.62E+01	9.63E+01	1.10E+02	9.38E+00	6.22E+00	1.34E+02
CHILD	GROUND	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.43E+00
CHILD	CLOUD	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01
CHILD	VEG. ING	2.68E+00	1.35E+01	1.15E+01	1.15E+01	8.85E+00	0.00E+00
CHILD	MEAT ING	3.09E-01	1.54E+00	1.47E+00	1.47E+00	1.10E+00	0.00E+00
CHILD	MILK ING	6.35E-01	4.22E+00	1.98E+00	1.98E+00	1.80E+00	0.00E+00
CHILD	TOTALS	3.36E+01	1.19E+02	1.28E+02	2.80E+01	2.17E+01	1.37E+02
TEENAGE	INHAL.	1.97E+01	1.07E+02	5.64E+01	4.09E+00	3.11E+00	1.34E+02
TEENAGE	GROUND	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.43E+00
TEENAGE	CLOUD	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01
TEENAGE	VEG. ING	4.38E+00	7.21E+01	1.02E+01	1.02E+01	9.02E+00	0.00E+00
TEENAGE	MEAT ING	4.87E-01	7.93E+00	1.29E+00	1.29E+00	1.10E+00	0.00E+00
TEENAGE	MILK ING	8.98E-01	1.88E+01	1.27E+00	1.27E+00	1.38E+00	0.00E+00
TEENAGE	TOTALS	2.91E+01	2.10E+02	7.29E+01	2.05E+01	1.83E+01	1.37E+02
ADULT	INHAL.	1.81E+01	1.00E+02	4.64E+01	3.38E+00	2.38E+00	1.34E+02
ADULT	GROUND	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.43E+00
ADULT	CLOUD	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01	2.59E-01
ADULT	VEG. ING	2.48E+00	3.03E+01	6.66E+00	6.66E+00	5.72E+00	0.00E+00
ADULT	MEAT ING	3.56E-01	4.37E+00	1.06E+00	1.06E+00	8.87E-01	0.00E+00
ADULT	MILK ING	1.73E-01	2.61E+00	3.15E-01	3.15E-01	3.21E-01	0.00E+00
ADULT	TOTALS	2.48E+01	1.41E+02	5.81E+01	1.51E+01	1.30E+01	1.37E+02

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	4.852E-04	6.725E-03	6.724E-03	6.709E-03	1.209E+02	1.120E+02	4.718E+01	1.866E+01	1.284E-05	4.242E-04
2.5	1.927E-04	2.671E-03	2.671E-03	2.665E-03	5.718E+01	5.474E+01	3.041E+01	1.694E+01	2.074E-05	2.738E-04
3.5	9.620E-05	1.330E-03	1.330E-03	1.327E-03	3.361E+01	3.283E+01	2.153E+01	1.468E+01	2.845E-05	1.978E-04
4.5	5.597E-05	7.724E-04	7.723E-04	7.706E-04	2.247E+01	2.219E+01	1.608E+01	1.228E+01	3.410E-05	1.502E-04
7.5	1.983E-05	2.735E-04	2.735E-04	2.729E-04	1.079E+01	1.077E+01	8.976E+00	7.771E+00	4.459E-05	8.558E-05
15.0	4.815E-06	6.642E-05	6.641E-05	6.626E-05	3.914E+00	3.915E+00	3.649E+00	3.382E+00	4.684E-05	3.515E-05
25.0	1.753E-06	2.417E-05	2.417E-05	2.411E-05	1.862E+00	1.863E+00	1.818E+00	1.755E+00	4.331E-05	1.768E-05
35.0	9.325E-07	1.286E-05	1.286E-05	1.283E-05	1.153E+00	1.153E+00	1.144E+00	1.125E+00	4.051E-05	1.199E-05
45.0	5.814E-07	8.019E-06	8.018E-06	8.000E-06	8.035E-01	8.040E-01	8.027E-01	7.967E-01	3.809E-05	7.870E-06
55.0	3.981E-07	5.491E-06	5.490E-06	5.478E-06	6.005E-01	6.009E-01	6.018E-01	6.002E-01	3.604E-05	5.909E-06
65.0	2.900E-07	4.000E-06	4.000E-06	3.991E-06	4.699E-01	4.702E-01	4.717E-01	4.716E-01	3.428E-05	4.635E-06
75.0	2.208E-07	3.046E-06	3.046E-06	3.039E-06	3.799E-01	3.801E-01	3.817E-01	3.822E-01	3.275E-05	3.752E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.877E+04	4.267E+04	4.249E+04	4.249E+04	0.000E+00	4.258E+04	4.258E+04	4.258E+04	1.955E+01
2.5	7.475E+03	1.697E+04	1.689E+04	1.689E+04	0.000E+00	1.694E+04	1.694E+04	1.694E+04	3.192E+01
3.5	3.952E+03	8.679E+03	8.642E+03	8.642E+03	0.000E+00	8.668E+03	8.668E+03	8.668E+03	4.386E+01
4.5	2.415E+03	5.159E+03	5.137E+03	5.137E+03	0.000E+00	5.154E+03	5.154E+03	5.154E+03	5.261E+01
7.5	8.635E+02	1.835E+03	1.827E+03	1.827E+03	0.000E+00	1.836E+03	1.836E+03	1.836E+03	6.891E+01
15.0	2.106E+02	4.466E+02	4.446E+02	4.446E+02	0.000E+00	4.477E+02	4.477E+02	4.477E+02	7.338E+01
25.0	7.687E+01	1.627E+02	1.620E+02	1.620E+02	0.000E+00	1.635E+02	1.635E+02	1.635E+02	6.895E+01
35.0	4.089E+01	8.657E+01	8.620E+01	8.620E+01	0.000E+00	8.711E+01	8.711E+01	8.711E+01	6.526E+01
45.0	2.549E+01	5.397E+01	5.374E+01	5.374E+01	0.000E+00	5.438E+01	5.438E+01	5.438E+01	6.189E+01
55.0	1.744E+01	3.694E+01	3.678E+01	3.678E+01	0.000E+00	3.726E+01	3.726E+01	3.726E+01	5.893E+01
65.0	1.269E+01	2.690E+01	2.678E+01	2.678E+01	0.000E+00	2.716E+01	2.716E+01	2.716E+01	5.634E+01
75.0	9.653E+00	2.047E+01	2.038E+01	2.038E+01	0.000E+00	2.068E+01	2.068E+01	2.068E+01	5.404E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	4.852E-06	6.725E-05	6.724E-05	6.713E-05
2.5	1.927E-06	2.671E-05	2.671E-05	2.671E-05
3.5	9.620E-07	1.330E-05	1.330E-05	1.336E-05
4.5	5.597E-07	7.724E-06	7.723E-06	7.808E-06
7.5	1.983E-07	2.735E-06	2.735E-06	2.863E-06
15.0	4.815E-08	6.642E-07	6.641E-07	8.031E-07
25.0	1.753E-08	2.417E-07	2.417E-07	3.711E-07
35.0	9.325E-09	1.286E-07	1.286E-07	2.498E-07
45.0	5.814E-09	8.019E-08	8.018E-08	1.943E-07
55.0	3.981E-09	5.491E-08	5.490E-08	1.629E-07
65.0	2.900E-09	4.000E-08	4.000E-08	1.428E-07
75.0	2.208E-09	3.046E-08	3.046E-08	1.286E-07

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE ENE DIRECTION, THETA EQUALS 67.5 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.070E-03	1.515E-02	1.515E-02	1.512E-02	2.150E+02	1.177E+02	1.368E+01	1.645E+00	2.795E-07	1.968E-04
2.5	4.680E-04	6.627E-03	6.626E-03	6.611E-03	1.124E+02	9.609E+01	3.419E+01	1.284E+01	8.551E-06	3.202E-04
3.5	1.857E-04	2.617E-03	2.617E-03	2.611E-03	5.339E+01	4.980E+01	2.514E+01	1.405E+01	1.855E-05	2.311E-04
4.5	9.588E-05	1.346E-03	1.346E-03	1.343E-03	3.173E+01	3.061E+01	1.838E+01	1.238E+01	2.587E-05	1.709E-04
7.5	2.724E-05	3.797E-04	3.797E-04	3.788E-04	1.202E+01	1.194E+01	8.968E+00	7.284E+00	3.550E-05	8.494E-05
15.0	5.810E-06	8.047E-05	8.047E-05	8.028E-05	3.694E+00	3.695E+00	3.294E+00	2.936E+00	3.626E-05	3.146E-05
25.0	2.074E-06	2.868E-05	2.867E-05	2.861E-05	1.687E+00	1.688E+00	1.615E+00	1.525E+00	3.346E-05	1.561E-05
35.0	1.104E-06	1.526E-05	1.526E-05	1.522E-05	1.043E+00	1.044E+00	1.025E+00	9.943E-01	3.171E-05	9.978E-06
45.0	6.887E-07	9.518E-06	9.518E-06	9.496E-06	7.275E-01	7.279E-01	7.225E-01	7.110E-01	3.007E-05	7.065E-06
55.0	4.716E-07	6.518E-06	6.518E-06	6.503E-06	5.441E-01	5.444E-01	5.434E-01	5.389E-01	2.859E-05	5.326E-06
65.0	3.436E-07	4.749E-06	4.748E-06	4.737E-06	4.261E-01	4.264E-01	4.268E-01	4.252E-01	2.729E-05	4.189E-06
75.0	2.616E-07	3.616E-06	3.616E-06	3.607E-06	3.448E-01	3.450E-01	3.459E-01	3.456E-01	2.613E-05	3.398E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.732E+04	7.126E+04	7.097E+04	7.097E+04	0.000E+00	7.106E+04	7.106E+04	7.106E+04	6.752E-01
2.5	7.654E+03	3.124E+04	3.111E+04	3.111E+04	0.000E+00	3.119E+04	3.119E+04	3.119E+04	1.340E+01
3.5	3.979E+03	1.329E+04	1.324E+04	1.324E+04	0.000E+00	1.328E+04	1.328E+04	1.328E+04	2.862E+01
4.5	2.438E+03	7.226E+03	7.195E+03	7.195E+03	0.000E+00	7.220E+03	7.220E+03	7.220E+03	3.979E+01
7.5	8.931E+02	2.243E+03	2.234E+03	2.234E+03	0.000E+00	2.243E+03	2.243E+03	2.243E+03	5.471E+01
15.0	2.290E+02	5.150E+02	5.128E+02	5.128E+02	0.000E+00	5.157E+02	5.157E+02	5.157E+02	5.679E+01
25.0	8.584E+01	1.877E+02	1.869E+02	1.869E+02	0.000E+00	1.883E+02	1.883E+02	1.883E+02	5.331E+01
35.0	4.593E+01	1.001E+02	9.972E+01	9.972E+01	0.000E+00	1.005E+02	1.005E+02	1.005E+02	5.108E+01
45.0	2.869E+01	6.251E+01	6.224E+01	6.224E+01	0.000E+00	6.282E+01	6.282E+01	6.282E+01	4.880E+01
55.0	1.965E+01	4.281E+01	4.262E+01	4.262E+01	0.000E+00	4.305E+01	4.305E+01	4.305E+01	4.668E+01
65.0	1.431E+01	3.118E+01	3.104E+01	3.104E+01	0.000E+00	3.138E+01	3.138E+01	3.138E+01	4.476E+01
75.0	1.089E+01	2.373E+01	2.363E+01	2.363E+01	0.000E+00	2.390E+01	2.390E+01	2.390E+01	4.302E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.070E-05	1.515E-04	1.515E-04	1.512E-04
2.5	4.680E-06	6.627E-05	6.626E-05	6.614E-05
3.5	1.857E-06	2.617E-05	2.617E-05	2.616E-05
4.5	9.588E-07	1.346E-05	1.346E-05	1.350E-05
7.5	2.724E-07	3.797E-06	3.797E-06	3.895E-06
15.0	5.810E-08	8.047E-07	8.047E-07	9.116E-07
25.0	2.074E-08	2.868E-07	2.867E-07	3.865E-07
35.0	1.104E-08	1.526E-07	1.526E-07	2.474E-07
45.0	6.887E-09	9.518E-08	9.518E-08	1.852E-07
55.0	4.716E-09	6.518E-08	6.518E-08	1.508E-07
65.0	3.436E-09	4.749E-08	4.748E-08	1.292E-07
75.0	2.616E-09	3.616E-08	3.616E-08	1.145E-07

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.780E-04	3.855E-03	3.854E-03	3.846E-03	5.620E+01	3.672E+01	6.785E+00	1.342E+00	4.001E-07	7.722E-05
2.5	2.086E-04	2.930E-03	2.929E-03	2.923E-03	5.044E+01	4.279E+01	1.565E+01	6.450E+00	5.038E-06	1.475E-04
3.5	9.494E-05	1.327E-03	1.327E-03	1.324E-03	2.698E+01	2.503E+01	1.244E+01	7.149E+00	1.031E-05	1.155E-04
4.5	5.486E-05	7.650E-04	7.649E-04	7.632E-04	1.779E+01	1.712E+01	1.004E+01	6.796E+00	1.505E-05	9.388E-05
7.5	1.823E-05	2.532E-04	2.532E-04	2.526E-04	7.841E+00	7.787E+00	5.752E+00	4.626E+00	2.300E-05	5.444E-05
15.0	4.358E-06	6.032E-05	6.032E-05	6.018E-05	2.721E+00	2.722E+00	2.420E+00	2.147E+00	2.636E-05	2.308E-05
25.0	1.587E-06	2.193E-05	2.193E-05	2.188E-05	1.280E+00	1.280E+00	1.227E+00	1.158E+00	2.523E-05	1.186E-05
35.0	8.345E-07	1.153E-05	1.153E-05	1.150E-05	7.874E-01	7.879E-01	7.747E-01	7.526E-01	2.391E-05	7.547E-06
45.0	5.163E-07	7.130E-06	7.129E-06	7.113E-06	5.472E-01	5.475E-01	5.443E-01	5.364E-01	2.265E-05	5.324E-06
55.0	3.538E-07	4.886E-06	4.886E-06	4.874E-06	4.102E-01	4.104E-01	4.101E-01	4.073E-01	2.161E-05	4.021E-06
65.0	2.586E-07	3.571E-06	3.571E-06	3.563E-06	3.224E-01	3.225E-01	3.232E-01	3.223E-01	2.070E-05	3.173E-06
75.0	1.973E-07	2.725E-06	2.725E-06	2.719E-06	2.615E-01	2.616E-01	2.625E-01	2.625E-01	1.988E-05	2.579E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.060E+04	2.430E+04	2.420E+04	2.420E+04	0.000E+00	2.423E+04	2.423E+04	2.423E+04	7.733E-01
2.5	5.161E+03	1.558E+04	1.552E+04	1.552E+04	0.000E+00	1.555E+04	1.555E+04	1.555E+04	7.931E+00
3.5	2.824E+03	7.544E+03	7.512E+03	7.512E+03	0.000E+00	7.532E+03	7.532E+03	7.532E+03	1.598E+01
4.5	1.778E+03	4.497E+03	4.478E+03	4.478E+03	0.000E+00	4.492E+03	4.492E+03	4.492E+03	2.319E+01
7.5	6.708E+02	1.571E+03	1.564E+03	1.564E+03	0.000E+00	1.570E+03	1.570E+03	1.570E+03	3.541E+01
15.0	1.749E+02	3.892E+02	3.875E+02	3.875E+02	0.000E+00	3.897E+02	3.897E+02	3.897E+02	4.120E+01
25.0	6.577E+01	1.437E+02	1.431E+02	1.431E+02	0.000E+00	1.441E+02	1.441E+02	1.441E+02	4.009E+01
35.0	3.515E+01	7.611E+01	7.578E+01	7.578E+01	0.000E+00	7.640E+01	7.640E+01	7.640E+01	3.845E+01
45.0	2.194E+01	4.727E+01	4.707E+01	4.707E+01	0.000E+00	4.750E+01	4.750E+01	4.750E+01	3.673E+01
55.0	1.503E+01	3.238E+01	3.224E+01	3.224E+01	0.000E+00	3.257E+01	3.257E+01	3.257E+01	3.526E+01
65.0	1.094E+01	2.363E+01	2.353E+01	2.353E+01	0.000E+00	2.378E+01	2.378E+01	2.378E+01	3.393E+01
75.0	8.326E+00	1.801E+01	1.793E+01	1.793E+01	0.000E+00	1.814E+01	1.814E+01	1.814E+01	3.270E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	2.780E-06	3.855E-05	3.854E-05	3.846E-05
2.5	2.086E-06	2.930E-05	2.929E-05	2.924E-05
3.5	9.494E-07	1.327E-05	1.327E-05	1.327E-05
4.5	5.486E-07	7.650E-06	7.649E-06	7.677E-06
7.5	1.823E-07	2.532E-06	2.532E-06	2.595E-06
15.0	4.358E-08	6.032E-07	6.032E-07	6.809E-07
25.0	1.587E-08	2.193E-07	2.193E-07	2.945E-07
35.0	8.345E-09	1.153E-07	1.153E-07	1.867E-07
45.0	5.163E-09	7.130E-08	7.129E-08	1.391E-07
55.0	3.538E-09	4.886E-08	4.886E-08	1.136E-07
65.0	2.586E-09	3.571E-08	3.571E-08	9.774E-08
75.0	1.973E-09	2.725E-08	2.725E-08	8.683E-08



TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.107E-04	1.563E-03	1.563E-03	1.559E-03	3.284E+01	3.151E+01	1.648E+01	8.903E+00	1.080E-05	1.492E-04
2.5	4.185E-05	5.892E-04	5.892E-04	5.878E-04	1.492E+01	1.464E+01	9.381E+00	6.260E+00	1.205E-05	8.599E-05
3.5	2.019E-05	2.836E-04	2.836E-04	2.830E-04	8.491E+00	8.417E+00	6.098E+00	4.595E+00	1.267E-05	5.673E-05
4.5	1.211E-05	1.701E-04	1.701E-04	1.697E-04	5.859E+00	5.833E+00	4.551E+00	3.676E+00	1.345E-05	4.279E-05
7.5	3.815E-06	5.358E-05	5.358E-05	5.345E-05	2.604E+00	2.602E+00	2.279E+00	2.021E+00	1.364E-05	2.177E-05
15.0	6.743E-07	9.453E-06	9.453E-06	9.431E-06	8.185E-01	8.189E-01	7.870E-01	7.489E-01	1.156E-05	7.627E-06
25.0	1.779E-07	2.484E-06	2.484E-06	2.478E-06	3.492E-01	3.495E-01	3.464E-01	3.410E-01	9.565E-06	3.388E-06
35.0	7.495E-08	1.043E-06	1.043E-06	1.040E-06	2.018E-01	2.019E-01	2.019E-01	2.010E-01	8.391E-06	1.981E-06
45.0	3.927E-08	5.444E-07	5.444E-07	5.432E-07	1.343E-01	1.344E-01	1.347E-01	1.347E-01	7.578E-06	1.324E-06
55.0	2.346E-08	3.243E-07	3.242E-07	3.235E-07	9.702E-02	9.708E-02	9.748E-02	9.766E-02	6.971E-06	9.585E-07
65.0	1.530E-08	2.109E-07	2.109E-07	2.104E-07	7.396E-02	7.401E-02	7.435E-02	7.455E-02	6.493E-06	7.313E-07
75.0	1.070E-08	1.472E-07	1.472E-07	1.469E-07	5.872E-02	5.875E-02	5.904E-02	5.923E-02	6.116E-06	5.808E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	2.155E+03	7.716E+03	7.684E+03	7.684E+03	0.000E+00	7.709E+03	7.709E+03	7.709E+03	1.616E+01
2.5	9.352E+02	3.032E+03	3.019E+03	3.019E+03	0.000E+00	3.031E+03	3.031E+03	3.031E+03	1.809E+01
3.5	4.920E+02	1.501E+03	1.495E+03	1.495E+03	0.000E+00	1.501E+03	1.501E+03	1.501E+03	1.909E+01
4.5	2.954E+02	9.006E+02	8.968E+02	8.968E+02	0.000E+00	9.014E+02	9.014E+02	9.014E+02	2.031E+01
7.5	9.477E+01	2.854E+02	2.842E+02	2.842E+02	0.000E+00	2.862E+02	2.862E+02	2.862E+02	2.073E+01
15.0	1.801E+01	5.163E+01	5.141E+01	5.141E+01	0.000E+00	5.206E+01	5.206E+01	5.206E+01	1.785E+01
25.0	5.469E+00	1.430E+01	1.424E+01	1.424E+01	0.000E+00	1.452E+01	1.452E+01	1.452E+01	1.504E+01
35.0	2.615E+00	6.321E+00	6.294E+00	6.294E+00	0.000E+00	6.454E+00	6.454E+00	6.454E+00	1.338E+01
45.0	1.512E+00	3.447E+00	3.432E+00	3.432E+00	0.000E+00	3.539E+00	3.539E+00	3.539E+00	1.221E+01
55.0	9.757E-01	2.128E+00	2.119E+00	2.119E+00	0.000E+00	2.195E+00	2.195E+00	2.195E+00	1.132E+01
65.0	6.764E-01	1.425E+00	1.419E+00	1.419E+00	0.000E+00	1.478E+00	1.478E+00	1.478E+00	1.061E+01
75.0	4.940E-01	1.017E+00	1.012E+00	1.012E+00	0.000E+00	1.059E+00	1.059E+00	1.059E+00	1.005E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.107E-06	1.563E-05	1.563E-05	1.562E-05
2.5	4.185E-07	5.892E-06	5.892E-06	5.914E-06
3.5	2.019E-07	2.836E-06	2.836E-06	2.868E-06
4.5	1.211E-07	1.701E-06	1.701E-06	1.738E-06
7.5	3.815E-08	5.358E-07	5.358E-07	5.755E-07
15.0	6.743E-09	9.453E-08	9.453E-08	1.290E-07
25.0	1.779E-09	2.484E-08	2.484E-08	5.348E-08
35.0	7.495E-10	1.043E-08	1.043E-08	3.558E-08
45.0	3.927E-10	5.444E-09	5.444E-09	2.817E-08
55.0	2.346E-10	3.243E-09	3.242E-09	2.415E-08
65.0	1.530E-10	2.109E-09	2.109E-09	2.158E-08
75.0	1.070E-10	1.472E-09	1.472E-09	1.982E-08

TIME STEP NUMBER 7, 545,955,545,955.

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.054E-04	1.388E-03	1.388E-03	1.385E-03	3.307E+01	3.227E+01	2.028E+01	1.254E+01	1.852E-05	1.828E-04
2.5	5.561E-05	7.423E-04	7.423E-04	7.406E-04	2.135E+01	2.111E+01	1.535E+01	1.129E+01	2.577E-05	1.417E-04
3.5	3.353E-05	4.506E-04	4.505E-04	4.495E-04	1.517E+01	1.509E+01	1.193E+01	9.639E+00	3.089E-05	1.120E-04
4.5	2.210E-05	2.982E-04	2.982E-04	2.975E-04	1.148E+01	1.145E+01	9.534E+00	8.134E+00	3.431E-05	9.047E-05
7.5	8.760E-06	1.190E-04	1.190E-04	1.188E-04	6.209E+00	6.208E+00	5.593E+00	5.096E+00	3.870E-05	5.376E-05
15.0	2.314E-06	3.168E-05	3.168E-05	3.161E-05	2.522E+00	2.524E+00	2.431E+00	2.321E+00	3.828E-05	2.358E-05
25.0	8.738E-07	1.200E-05	1.200E-05	1.197E-05	1.267E+00	1.267E+00	1.255E+00	1.231E+00	3.522E-05	1.226E-05
35.0	4.724E-07	6.496E-06	6.495E-06	6.480E-06	8.019E-01	8.024E-01	8.014E-01	7.959E-01	3.288E-05	7.858E-06
45.0	2.969E-07	4.085E-06	4.084E-06	4.075E-06	5.659E-01	5.663E-01	5.675E-01	5.666E-01	3.091E-05	5.574E-06
55.0	2.057E-07	2.832E-06	2.832E-06	2.826E-06	4.297E-01	4.300E-01	4.316E-01	4.320E-01	2.946E-05	4.242E-06
65.0	1.510E-07	2.080E-06	2.079E-06	2.075E-06	3.402E-01	3.404E-01	3.419E-01	3.427E-01	2.819E-05	3.363E-06
75.0	1.153E-07	1.589E-06	1.589E-06	1.585E-06	2.773E-01	2.775E-01	2.788E-01	2.796E-01	2.705E-05	2.742E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	9.457E+03	1.437E+04	1.430E+04	1.430E+04	0.000E+00	1.433E+04	1.433E+04	1.433E+04	2.797E+01
2.5	4.280E+03	6.910E+03	6.879E+03	6.879E+03	0.000E+00	6.895E+03	6.895E+03	6.895E+03	3.925E+01
3.5	2.354E+03	3.952E+03	3.934E+03	3.934E+03	0.000E+00	3.946E+03	3.946E+03	3.946E+03	4.722E+01
4.5	1.459E+03	2.516E+03	2.505E+03	2.505E+03	0.000E+00	2.514E+03	2.514E+03	2.514E+03	5.257E+01
7.5	5.160E+02	9.384E+02	9.343E+02	9.343E+02	0.000E+00	9.392E+02	9.392E+02	9.392E+02	5.964E+01
15.0	1.193E+02	2.318E+02	2.308E+02	2.308E+02	0.000E+00	2.328E+02	2.328E+02	2.328E+02	5.990E+01
25.0	4.200E+01	8.462E+01	8.425E+01	8.425E+01	0.000E+00	8.525E+01	8.525E+01	8.525E+01	5.599E+01
35.0	2.220E+01	4.527E+01	4.507E+01	4.507E+01	0.000E+00	4.570E+01	4.570E+01	4.570E+01	5.290E+01
45.0	1.378E+01	2.829E+01	2.816E+01	2.816E+01	0.000E+00	2.861E+01	2.861E+01	2.861E+01	5.015E+01
55.0	9.391E+00	1.945E+01	1.937E+01	1.937E+01	0.000E+00	1.971E+01	1.971E+01	1.971E+01	4.807E+01
65.0	6.802E+00	1.419E+01	1.413E+01	1.413E+01	0.000E+00	1.440E+01	1.440E+01	1.440E+01	4.621E+01
75.0	5.144E+00	1.079E+01	1.074E+01	1.074E+01	0.000E+00	1.096E+01	1.096E+01	1.096E+01	4.450E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.054E-06	1.388E-05	1.388E-05	1.391E-05
2.5	5.561E-07	7.423E-06	7.423E-06	7.483E-06
3.5	3.353E-07	4.506E-06	4.505E-06	4.588E-06
4.5	2.210E-07	2.982E-06	2.982E-06	3.078E-06
7.5	8.760E-08	1.190E-06	1.190E-06	1.304E-06
15.0	2.314E-08	3.168E-07	3.168E-07	4.309E-07
25.0	8.738E-09	1.200E-07	1.200E-07	2.254E-07
35.0	4.724E-09	6.496E-08	6.495E-08	1.634E-07
45.0	2.969E-09	4.085E-08	4.084E-08	1.335E-07
55.0	2.057E-09	2.832E-08	2.832E-08	1.166E-07
65.0	1.510E-09	2.080E-08	2.079E-08	1.053E-07
75.0	1.153E-09	1.589E-08	1.589E-08	9.700E-08

REGION: Sweetwater Uranium Facil  
METSET: Sweetwater WY

CODE: MILDOS-AREA (03/89)  
DATA: 40cfr.in

PAGE 312  
02/25/94

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.073E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.243E-03	3.569E-04	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.188E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.579E-02	1.955E-03	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.549E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.167E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.440E-04	4.027E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.867E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.664E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.021E-02 PERSON-REM/YR

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.394E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.140E-02	4.025E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.495E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.123E-01	2.163E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.738E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.218E-03	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.574E-03	4.297E-04	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.294E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.787E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 6.723E-01 PERSON-REM/YR

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.181E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.227E-02	1.215E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.731E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.518E-01	6.233E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.175E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.129E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.385E-04	1.120E-04	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.296E-03	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.738E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.982E-01 PERSON-REM/YR

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.160E-01	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.542E-01	2.153E-02	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.304E-02	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.382E+00	1.032E-01
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.109E-03	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.246E-02	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.278E-02	3.680E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.906E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.309E-02	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.342E+00 PERSON-REM/YR

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.921E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.370E-03	2.937E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.852E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.687E-02	1.512E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.219E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.697E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.115E-04	2.856E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.807E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.175E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.817E-02 PERSON-REM/YR

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.768E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.952E-03	1.841E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.093E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.061E-02	9.000E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.390E-06	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.733E-04	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.117E-04	3.233E-05	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.970E-04	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.147E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.886E-02 PERSON-REM/YR





TIME STEP NUMBER 7, 545,955,545,955, DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.260E-02	8.357E-03	5.857E-03	4.406E-03	1.336E-02	1.449E-02	1.065E-02	9.653E-03	9.373E-03	9.394E-03	9.564E-03	9.811E-03
NNE	1.948E-02	1.430E-02	8.134E-03	6.009E-03	1.650E-02	1.666E-02	1.161E-02	1.005E-02	9.418E-03	9.182E-03	9.186E-03	9.334E-03
NE	3.136E-02	1.897E-02	1.049E-02	7.458E-03	1.983E-02	1.978E-02	1.354E-02	1.145E-02	1.058E-02	1.024E-02	1.014E-02	1.017E-02
ENE	2.767E-02	2.019E-02	1.123E-02	7.484E-03	1.805E-02	1.662E-02	1.134E-02	9.822E-03	9.187E-03	8.935E-03	8.881E-03	8.936E-03
E	7.217E-03	9.010E-03	5.752E-03	4.288E-03	1.208E-02	1.243E-02	8.651E-03	7.418E-03	6.902E-03	6.728E-03	6.714E-03	6.776E-03
ESE	1.775E-03	2.391E-03	2.287E-03	1.981E-03	7.000E-03	8.597E-03	6.244E-03	5.286E-03	4.794E-03	4.522E-03	4.372E-03	4.303E-03
SE	1.945E-03	6.215E-04	4.750E-04	4.381E-04	1.853E-03	2.608E-03	2.035E-03	1.789E-03	1.668E-03	1.609E-03	1.584E-03	1.579E-03
SSE	2.012E-03	1.132E-03	3.688E-04	2.650E-04	6.435E-04	5.463E-04	3.577E-04	2.973E-04	2.666E-04	2.481E-04	2.359E-04	2.272E-04
S	2.869E-03	1.815E-03	1.232E-03	9.577E-04	2.615E-03	2.235E-03	1.443E-03	1.282E-03	1.268E-03	1.306E-03	1.365E-03	1.435E-03
SSW	3.006E-03	2.438E-03	2.050E-03	1.740E-03	5.854E-03	6.721E-03	4.883E-03	4.317E-03	4.132E-03	4.113E-03	4.209E-03	4.360E-03
SW	2.816E-03	2.561E-03	2.236E-03	1.962E-03	7.119E-03	8.986E-03	6.860E-03	6.194E-03	6.035E-03	6.089E-03	6.240E-03	6.440E-03
WSW	3.022E-03	2.565E-03	2.125E-03	1.787E-03	5.974E-03	7.081E-03	5.666E-03	5.470E-03	5.540E-03	5.724E-03	5.960E-03	6.219E-03
W	2.768E-03	2.442E-03	2.072E-03	1.773E-03	6.117E-03	7.640E-03	6.272E-03	6.112E-03	6.242E-03	6.537E-03	6.878E-03	7.230E-03
WNW	4.076E-03	3.210E-03	2.741E-03	2.348E-03	8.068E-03	9.959E-03	8.097E-03	7.870E-03	8.052E-03	8.396E-03	8.812E-03	9.309E-03
NW	4.969E-03	4.768E-03	3.590E-03	3.001E-03	9.855E-03	1.144E-02	8.724E-03	8.100E-03	7.998E-03	8.114E-03	8.336E-03	8.610E-03
NNW	7.335E-03	6.283E-03	4.342E-03	3.453E-03	1.068E-02	1.171E-02	8.724E-03	7.992E-03	7.817E-03	7.875E-03	8.045E-03	8.271E-03

TOTAL DOSE COMMITMENT IS 1.273E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 7, 545,955,545,955, DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.528E-01	1.013E-01	7.100E-02	5.340E-02	1.615E-01	1.734E-01	1.255E-01	1.122E-01	1.078E-01	1.072E-01	1.084E-01	1.106E-01
NNE	2.356E-01	1.729E-01	9.843E-02	7.272E-02	1.995E-01	1.998E-01	1.375E-01	1.177E-01	1.091E-01	1.055E-01	1.048E-01	1.059E-01
NE	3.788E-01	2.292E-01	1.269E-01	9.022E-02	2.398E-01	2.378E-01	1.610E-01	1.347E-01	1.233E-01	1.184E-01	1.163E-01	1.159E-01
ENE	3.341E-01	2.437E-01	1.357E-01	9.047E-02	2.181E-01	1.996E-01	1.347E-01	1.153E-01	1.068E-01	1.030E-01	1.016E-01	1.017E-01
E	8.747E-02	1.089E-01	6.960E-02	5.189E-02	1.461E-01	1.494E-01	1.028E-01	8.710E-02	8.022E-02	7.753E-02	7.682E-02	7.707E-02
ESE	2.172E-02	2.907E-02	2.776E-02	2.404E-02	8.481E-02	1.036E-01	7.468E-02	6.269E-02	5.640E-02	5.281E-02	5.072E-02	4.963E-02
SE	2.355E-02	7.578E-03	5.795E-03	5.336E-03	2.248E-02	3.140E-02	2.424E-02	2.110E-02	1.950E-02	1.865E-02	1.823E-02	1.806E-02
SSE	2.426E-02	1.365E-02	4.448E-03	3.194E-03	7.727E-03	6.480E-03	4.190E-03	3.452E-03	3.076E-03	2.848E-03	2.696E-03	2.587E-03
S	3.465E-02	2.193E-02	1.488E-02	1.156E-02	3.145E-02	2.646E-02	1.666E-02	1.453E-02	1.421E-02	1.453E-02	1.510E-02	1.583E-02
SSW	3.653E-02	2.961E-02	2.488E-02	2.109E-02	7.075E-02	8.038E-02	5.749E-02	5.009E-02	4.739E-02	4.675E-02	4.750E-02	4.894E-02
SW	3.440E-02	3.121E-02	2.722E-02	2.384E-02	8.617E-02	1.076E-01	8.083E-02	7.195E-02	6.930E-02	6.930E-02	7.052E-02	7.238E-02
WSW	3.685E-02	3.122E-02	2.583E-02	2.170E-02	7.219E-02	8.438E-02	6.627E-02	6.306E-02	6.319E-02	6.475E-02	6.702E-02	6.961E-02
W	3.384E-02	2.977E-02	2.522E-02	2.154E-02	7.389E-02	9.082E-02	7.311E-02	7.022E-02	7.096E-02	7.375E-02	7.715E-02	8.074E-02
WNW	4.974E-02	3.914E-02	3.335E-02	2.852E-02	9.749E-02	1.184E-01	9.427E-02	9.025E-02	9.133E-02	9.449E-02	9.860E-02	1.037E-01
NW	6.059E-02	5.793E-02	4.360E-02	3.640E-02	1.191E-01	1.365E-01	1.023E-01	9.371E-02	9.154E-02	9.210E-02	9.402E-02	9.663E-02
NNW	8.909E-02	7.617E-02	5.264E-02	4.184E-02	1.290E-01	1.399E-01	1.026E-01	9.273E-02	8.975E-02	8.966E-02	9.101E-02	9.308E-02

TOTAL DOSE COMMITMENT IS 1.502E+01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 7, 545,955,545,955.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHC 75.0
N	5.456E-03	3.619E-03	2.542E-03	1.916E-03	5.827E-03	6.397E-03	4.782E-03	4.399E-03	4.321E-03	4.371E-03	4.482E-03	4.624E-03
NNE	8.354E-03	6.123E-03	3.502E-03	2.593E-03	7.160E-03	7.312E-03	5.175E-03	4.543E-03	4.307E-03	4.239E-03	4.273E-03	4.369E-03
NE	1.336E-02	8.095E-03	4.502E-03	3.209E-03	8.587E-03	8.659E-03	6.006E-03	5.145E-03	4.807E-03	4.698E-03	4.688E-03	4.731E-03
ENE	1.177E-02	8.590E-03	4.800E-03	3.209E-03	7.797E-03	7.277E-03	5.042E-03	4.423E-03	4.184E-03	4.108E-03	4.116E-03	4.168E-03
E	3.123E-03	3.859E-03	2.474E-03	1.848E-03	5.234E-03	5.445E-03	3.844E-03	3.341E-03	3.145E-03	3.095E-03	3.113E-03	3.161E-03
ESE	8.013E-04	1.049E-03	9.974E-04	8.636E-04	3.052E-03	3.764E-03	2.758E-03	2.357E-03	2.157E-03	2.052E-03	1.998E-03	1.980E-03
SE	8.379E-04	2.764E-04	2.120E-04	1.945E-04	8.158E-04	1.149E-03	9.043E-04	8.033E-04	7.566E-04	7.361E-04	7.301E-04	7.324E-04
SSE	8.513E-04	4.795E-04	1.573E-04	1.133E-04	2.777E-04	2.411E-04	1.609E-04	1.352E-04	1.223E-04	1.145E-04	1.094E-04	1.059E-04
S	1.224E-03	7.764E-04	5.282E-04	4.110E-04	1.128E-03	9.854E-04	6.574E-04	5.974E-04	5.995E-04	6.229E-04	6.545E-04	6.907E-04
SSW	1.317E-03	1.067E-03	8.963E-04	7.603E-04	2.563E-03	2.974E-03	2.198E-03	1.974E-03	1.913E-03	1.923E-03	1.982E-03	2.064E-03
SW	1.263E-03	1.139E-03	9.912E-04	8.676E-04	3.143E-03	3.991E-03	3.092E-03	2.831E-03	2.791E-03	2.843E-03	2.934E-03	3.045E-03
WSW	1.344E-03	1.135E-03	9.379E-04	7.883E-04	2.637E-03	3.160E-03	2.572E-03	2.518E-03	2.579E-03	2.686E-03	2.815E-03	2.952E-03
W	1.245E-03	1.088E-03	9.199E-04	7.853E-04	2.707E-03	3.416E-03	2.856E-03	2.824E-03	2.916E-03	3.078E-03	3.257E-03	3.439E-03
WNW	1.821E-03	1.431E-03	1.216E-03	1.039E-03	3.569E-03	4.454E-03	3.692E-03	3.644E-03	3.770E-03	3.963E-03	4.184E-03	4.439E-03
NW	2.209E-03	2.091E-03	1.576E-03	1.316E-03	4.329E-03	5.081E-03	3.943E-03	3.715E-03	3.710E-03	3.796E-03	3.927E-03	4.077E-03
NNW	3.205E-03	2.726E-03	1.889E-03	1.503E-03	4.662E-03	5.177E-03	3.926E-03	3.650E-03	3.612E-03	3.671E-03	3.776E-03	3.904E-03

TOTAL DOSE COMMITMENT IS 5.700E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	6.685E-02	4.434E-02	3.113E-02	2.345E-02	7.117E-02	7.747E-02	5.719E-02	5.207E-02	5.074E-02	5.100E-02	5.204E-02	5.348E-02
NNE	1.024E-01	7.504E-02	4.290E-02	3.175E-02	8.753E-02	8.877E-02	6.218E-02	5.407E-02	5.085E-02	4.973E-02	4.987E-02	5.077E-02
NE	1.638E-01	9.923E-02	5.517E-02	3.931E-02	1.050E-01	1.053E-01	7.240E-02	6.149E-02	5.701E-02	5.535E-02	5.493E-02	5.519E-02
ENE	1.443E-01	1.053E-01	5.883E-02	3.931E-02	9.538E-02	8.847E-02	6.070E-02	5.276E-02	4.953E-02	4.831E-02	4.814E-02	4.854E-02
E	3.826E-02	4.730E-02	3.031E-02	2.264E-02	6.402E-02	6.620E-02	4.629E-02	3.986E-02	3.722E-02	3.639E-02	3.640E-02	3.681E-02
ESE	9.803E-03	1.285E-02	1.222E-02	1.057E-02	3.733E-02	4.587E-02	3.339E-02	2.834E-02	2.577E-02	2.437E-02	2.361E-02	2.329E-02
SE	1.027E-02	3.383E-03	2.593E-03	2.380E-03	9.971E-03	1.397E-02	1.091E-02	9.615E-03	8.990E-03	8.693E-03	8.576E-03	8.565E-03
SSE	1.044E-02	5.878E-03	1.926E-03	1.387E-03	3.384E-03	2.904E-03	1.916E-03	1.599E-03	1.439E-03	1.342E-03	1.279E-03	1.234E-03
S	1.500E-02	9.513E-03	6.469E-03	5.030E-03	1.376E-02	1.185E-02	7.749E-03	6.943E-03	6.908E-03	7.138E-03	7.475E-03	7.872E-03
SSW	1.613E-02	1.307E-02	1.097E-02	9.300E-03	3.128E-02	3.598E-02	2.627E-02	2.332E-02	2.241E-02	2.237E-02	2.294E-02	2.381E-02
SW	1.545E-02	1.394E-02	1.212E-02	1.061E-02	3.833E-02	4.829E-02	3.696E-02	3.348E-02	3.272E-02	3.311E-02	3.400E-02	3.515E-02
WSW	1.645E-02	1.389E-02	1.147E-02	9.634E-03	3.213E-02	3.810E-02	3.057E-02	2.961E-02	3.008E-02	3.116E-02	3.251E-02	3.397E-02
W	1.523E-02	1.331E-02	1.125E-02	9.595E-03	3.296E-02	4.111E-02	3.386E-02	3.312E-02	3.393E-02	3.562E-02	3.754E-02	3.952E-02
WNW	2.228E-02	1.750E-02	1.487E-02	1.270E-02	4.347E-02	5.360E-02	4.373E-02	4.267E-02	4.380E-02	4.578E-02	4.814E-02	5.093E-02
NW	2.704E-02	2.560E-02	1.929E-02	1.610E-02	5.280E-02	6.135E-02	4.698E-02	4.380E-02	4.339E-02	4.413E-02	4.544E-02	4.701E-02
NNW	3.926E-02	3.339E-02	2.313E-02	1.840E-02	5.690E-02	6.262E-02	4.688E-02	4.313E-02	4.234E-02	4.277E-02	4.379E-02	4.510E-02

TOTAL DOSE COMMITMENT IS 6.827E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 7, 545,955,545,955,

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.735E-04	2.476E-04	1.736E-04	1.305E-04	3.922E-04	4.106E-04	2.853E-04	2.461E-04	2.292E-04	2.221E-04	2.201E-04	2.209E-04
NNE	5.732E-04	4.201E-04	2.397E-04	1.771E-04	4.843E-04	4.761E-04	3.172E-04	2.630E-04	2.370E-04	2.235E-04	2.175E-04	2.158E-04
NE	9.179E-04	5.559E-04	3.086E-04	2.196E-04	5.827E-04	5.695E-04	3.753E-04	3.053E-04	2.720E-04	2.550E-04	2.455E-04	2.403E-04
ENE	8.092E-04	5.903E-04	3.294E-04	2.197E-04	5.293E-04	4.772E-04	3.127E-04	2.597E-04	2.339E-04	2.201E-04	2.128E-04	2.091E-04
E	2.138E-04	2.648E-04	1.695E-04	1.264E-04	3.552E-04	3.575E-04	2.387E-04	1.962E-04	1.757E-04	1.657E-04	1.607E-04	1.584E-04
ESE	5.437E-05	7.160E-05	6.812E-05	5.893E-05	2.072E-04	2.501E-04	1.766E-04	1.451E-04	1.278E-04	1.172E-04	1.105E-04	1.063E-04
SE	5.742E-05	1.880E-05	1.439E-05	1.321E-05	5.510E-05	7.555E-05	5.680E-05	4.814E-05	4.337E-05	4.056E-05	3.885E-05	3.782E-05
SSE	5.856E-05	3.293E-05	1.075E-05	7.702E-06	1.845E-05	1.498E-05	9.362E-06	7.534E-06	6.592E-06	6.013E-06	5.620E-06	5.336E-06
S	8.402E-05	5.319E-05	3.608E-05	2.798E-05	7.543E-05	6.089E-05	3.580E-05	2.955E-05	2.783E-05	2.776E-05	2.840E-05	2.945E-05
SSW	8.987E-05	7.273E-05	6.098E-05	5.158E-05	1.717E-04	1.901E-04	1.304E-04	1.092E-04	9.987E-05	9.584E-05	9.529E-05	9.649E-05
SW	8.571E-05	7.735E-05	6.720E-05	5.867E-05	2.100E-04	2.548E-04	1.837E-04	1.574E-04	1.466E-04	1.427E-04	1.421E-04	1.433E-04
WSW	9.137E-05	7.710E-05	6.357E-05	5.324E-05	1.752E-04	1.976E-04	1.477E-04	1.349E-04	1.309E-04	1.309E-04	1.329E-04	1.359E-04
W	8.444E-05	7.382E-05	6.225E-05	5.294E-05	1.792E-04	2.114E-04	1.613E-04	1.486E-04	1.456E-04	1.477E-04	1.517E-04	1.565E-04
WNW	1.237E-04	9.708E-05	8.235E-05	7.014E-05	2.365E-04	2.755E-04	2.074E-04	1.900E-04	1.860E-04	1.878E-04	1.924E-04	1.995E-04
NW	1.503E-04	1.425E-04	1.071E-04	8.918E-05	2.889E-04	3.208E-04	2.298E-04	2.025E-04	1.917E-04	1.881E-04	1.883E-04	1.905E-04
NNW	2.189E-04	1.863E-04	1.288E-04	1.022E-04	3.128E-04	3.299E-04	2.319E-04	2.020E-04	1.897E-04	1.848E-04	1.839E-04	1.851E-04

TOTAL DOSE COMMITMENT IS 3.430E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
BY THE POPULATION OF THIS REGION. SEE SUMMARY  
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 7, 545,955,545,955.

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.133E-03	3.401E-03	2.383E-03	1.789E-03	5.348E-03	5.474E-03	3.663E-03	3.045E-03	2.743E-03	2.582E-03	2.496E-03	2.453E-03
NNE	7.888E-03	5.782E-03	3.295E-03	2.432E-03	6.620E-03	6.392E-03	4.133E-03	3.321E-03	2.904E-03	2.665E-03	2.530E-03	2.458E-03
NE	1.264E-02	7.655E-03	4.246E-03	3.017E-03	7.978E-03	7.684E-03	4.938E-03	3.909E-03	3.389E-03	3.097E-03	2.913E-03	2.793E-03
ENE	1.115E-02	8.133E-03	4.534E-03	3.022E-03	7.247E-03	6.430E-03	4.099E-03	3.306E-03	2.893E-03	2.652E-03	2.503E-03	2.408E-03
E	2.939E-03	3.645E-03	2.331E-03	1.737E-03	4.862E-03	4.819E-03	3.130E-03	2.498E-03	2.173E-03	1.995E-03	1.889E-03	1.823E-03
ESE	7.426E-04	9.819E-04	9.347E-04	8.083E-04	2.835E-03	3.390E-03	2.353E-03	1.894E-03	1.634E-03	1.469E-03	1.358E-03	1.283E-03
SE	7.896E-04	2.572E-04	1.968E-04	1.806E-04	7.521E-04	1.019E-03	7.493E-04	6.196E-04	5.446E-04	4.973E-04	4.660E-04	4.446E-04
SSE	8.072E-04	4.536E-04	1.476E-04	1.056E-04	2.503E-04	1.967E-04	1.186E-04	9.302E-05	7.974E-05	7.149E-05	6.581E-05	6.164E-05
S	1.157E-03	7.316E-04	4.956E-04	3.837E-04	1.026E-03	7.970E-04	4.359E-04	3.368E-04	3.018E-04	2.907E-04	2.902E-04	2.959E-04
SSW	1.232E-03	9.970E-04	8.352E-04	7.057E-04	2.337E-03	2.529E-03	1.668E-03	1.342E-03	1.183E-03	1.099E-03	1.063E-03	1.052E-03
SW	1.171E-03	1.058E-03	9.183E-04	8.010E-04	2.852E-03	3.388E-03	2.353E-03	1.939E-03	1.743E-03	1.644E-03	1.594E-03	1.573E-03
WSW	1.250E-03	1.055E-03	8.690E-04	7.265E-04	2.373E-03	2.600E-03	1.856E-03	1.625E-03	1.520E-03	1.475E-03	1.461E-03	1.465E-03
W	1.153E-03	1.009E-03	8.501E-04	7.218E-04	2.423E-03	2.766E-03	2.007E-03	1.770E-03	1.670E-03	1.645E-03	1.650E-03	1.670E-03
WNW	1.691E-03	1.327E-03	1.125E-03	9.566E-04	3.200E-03	3.604E-03	2.573E-03	2.248E-03	2.116E-03	2.071E-03	2.070E-03	2.105E-03
NW	2.057E-03	1.953E-03	1.466E-03	1.219E-03	3.923E-03	4.242E-03	2.913E-03	2.466E-03	2.254E-03	2.147E-03	2.096E-03	2.077E-03
NNW	3.004E-03	2.558E-03	1.766E-03	1.400E-03	4.259E-03	4.384E-03	2.962E-03	2.485E-03	2.255E-03	2.135E-03	2.072E-03	2.043E-03

TOTAL DOSE COMMITMENT IS 4.425E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 7, 545,955,545,955.

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 7--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	6.021E-02	6.723E-01	1.982E-01	8.191E-02	4.365E-02	3.342E+00
GROUND	4.817E-02	4.817E-02	4.817E-02	4.817E-02	4.817E-02	4.817E-02
CLOUD	2.886E-02	2.886E-02	2.886E-02	2.886E-02	2.886E-02	2.886E-02
VEG. ING	6.367E-01	7.513E+00	6.367E-01	2.022E+00	1.618E+00	6.367E-01
MEAT ING	2.420E-02	2.899E-01	2.420E-02	8.056E-02	6.475E-02	2.420E-02
MILK ING	1.802E-02	2.325E-01	1.802E-02	4.399E-02	3.672E-02	1.802E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	8.162E-01	8.785E+00	9.542E-01	2.305E+00	1.840E+00	4.098E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	6.367E-01	7.512E+00	6.367E-01	2.022E+00	1.618E+00	6.367E-01
MEAT ING	5.458E-01	6.537E+00	5.458E-01	1.817E+00	1.460E+00	5.458E-01
MILK ING	1.628E-02	2.100E-01	1.628E-02	3.972E-02	3.316E-02	1.628E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.199E+00	1.426E+01	1.199E+00	3.878E+00	3.111E+00	1.199E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	6.021E-02	6.723E-01	1.982E-01	8.191E-02	4.365E-02	3.342E+00
GROUND	4.817E-02	4.817E-02	4.817E-02	4.817E-02	4.817E-02	4.817E-02
CLOUD	2.886E-02	2.886E-02	2.886E-02	2.886E-02	2.886E-02	2.886E-02
VEG. ING	1.273E+00	1.502E+01	1.273E+00	4.044E+00	3.236E+00	1.273E+00
MEAT ING	5.700E-01	6.827E+00	5.700E-01	1.897E+00	1.525E+00	5.700E-01
MILK ING	3.430E-02	4.425E-01	3.430E-02	8.371E-02	6.989E-02	3.430E-02
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.015E+00	2.304E+01	2.153E+00	6.184E+00	4.952E+00	5.297E+00

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1	Nearest Resident	2	9.494E-07	1.314E-05	1.314E-05	1.311E-05	3.779E+01	8.450E+01	8.413E+01	8.413E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		9.494E-07	1.314E-05	1.314E-05	1.311E-05	3.779E+01	8.450E+01	8.413E+01	8.413E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2	Restricted Area Boun	2	8.799E-04	8.548E-03	8.546E-03	8.527E-03	3.067E+05	3.361E+05	3.345E+05	3.345E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		8.799E-04	8.548E-03	8.546E-03	8.527E-03	3.067E+05	3.361E+05	3.345E+05	3.345E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
3	Restricted Area Boun	2	3.859E-04	5.418E-03	5.417E-03	5.405E-03	9.740E+03	2.901E+04	2.889E+04	2.889E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.859E-04	5.418E-03	5.417E-03	5.405E-03	9.740E+03	2.901E+04	2.889E+04	2.889E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
4	Restricted Area Boun	2	3.064E-04	4.303E-03	4.303E-03	4.293E-03	7.668E+03	2.298E+04	2.288E+04	2.288E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.064E-04	4.303E-03	4.303E-03	4.293E-03	7.668E+03	2.298E+04	2.288E+04	2.288E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
5	Restricted Area Boun	2	3.724E-04	4.826E-03	4.826E-03	4.815E-03	3.944E+04	5.649E+04	5.623E+04	5.623E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.724E-04	4.826E-03	4.826E-03	4.815E-03	3.944E+04	5.649E+04	5.623E+04	5.623E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
6	Restricted Area Boun	2	8.155E-04	1.042E-02	1.042E-02	1.040E-02	9.719E+04	1.340E+05	1.334E+05	1.334E+05
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		8.155E-04	1.042E-02	1.042E-02	1.040E-02	9.719E+04	1.340E+05	1.334E+05	1.334E+05
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
7	Restricted Area Boun	2	4.825E-04	6.792E-03	6.792E-03	6.776E-03	1.090E+04	3.507E+04	3.492E+04	3.492E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		4.825E-04	6.792E-03	6.792E-03	6.776E-03	1.090E+04	3.507E+04	3.492E+04	3.492E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
8	Restricted Area Boun	2	3.522E-04	4.727E-03	4.726E-03	4.715E-03	2.525E+04	4.201E+04	4.182E+04	4.182E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.522E-04	4.727E-03	4.726E-03	4.715E-03	2.525E+04	4.201E+04	4.182E+04	4.182E+04



INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS					GROUND CONCENTRATIONS, PCI/M2						
NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3				GROUND CONCENTRATIONS, PCI/M2				
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210	
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	2	4.766E-04	5.683E-03	5.682E-03	5.669E-03	8.739E+04	1.073E+05	1.068E+05	1.068E+05	1.068E+05
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			4.766E-04	5.683E-03	5.682E-03	5.669E-03	8.739E+04	1.073E+05	1.068E+05	1.068E+05	1.068E+05
10	Bailloil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailloil	2	9.541E-07	1.322E-05	1.322E-05	1.319E-05	3.717E+01	8.414E+01	8.378E+01	8.378E+01	8.378E+01
10	Bailloil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Bailloil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			9.541E-07	1.322E-05	1.322E-05	1.319E-05	3.717E+01	8.414E+01	8.378E+01	8.378E+01	8.378E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	2	8.290E-07	1.145E-05	1.145E-05	1.142E-05	3.524E+01	7.591E+01	7.558E+01	7.558E+01	7.558E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			8.290E-07	1.145E-05	1.145E-05	1.142E-05	3.524E+01	7.591E+01	7.558E+01	7.558E+01	7.558E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	2	1.727E-07	2.387E-06	2.387E-06	2.381E-06	7.183E+00	1.566E+01	1.560E+01	1.560E+01	1.560E+01
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.727E-07	2.387E-06	2.387E-06	2.381E-06	7.183E+00	1.566E+01	1.560E+01	1.560E+01	1.560E+01
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	2	1.245E-03	1.767E-02	1.767E-02	1.763E-02	1.773E+04	8.064E+04	8.031E+04	8.031E+04	8.031E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.245E-03	1.767E-02	1.767E-02	1.763E-02	1.773E+04	8.064E+04	8.031E+04	8.031E+04	8.031E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	2	2.749E-04	3.866E-03	3.865E-03	3.857E-03	6.429E+03	2.018E+04	2.010E+04	2.010E+04	2.010E+04
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.749E-04	3.866E-03	3.865E-03	3.857E-03	6.429E+03	2.018E+04	2.010E+04	2.010E+04	2.010E+04

NO.	INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS								GROUND CONCENTRATIONS, PCI/M2			
	AIRBORNE CONCENTRATIONS, PCI/M3											
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.108E+00	1.109E+00	1.074E+00	1.026E+00	2.546E-05	6.854E-07	4.803E-10	1.041E-05	8.781E-01	8.781E-01	8.781E-01	4.423E+01
2	1.687E+02	1.517E+02	5.033E+01	1.506E+01	7.074E-06	4.005E-09	6.554E-14	4.676E-04	1.201E+02	1.201E+02	1.201E+02	1.055E+01
3	8.526E+01	7.593E+01	2.645E+01	8.835E+00	4.887E-06	3.237E-09	6.166E-14	2.452E-04	6.014E+01	6.014E+01	6.014E+01	7.288E+00
4	6.622E+01	5.021E+01	1.342E+01	3.933E+00	1.891E-06	1.101E-09	1.852E-14	1.344E-04	3.977E+01	3.977E+01	3.977E+01	3.108E+00
5	7.900E+01	7.252E+01	2.948E+01	1.137E+01	7.596E-06	5.989E-09	1.348E-13	2.666E-04	5.744E+01	5.744E+01	5.744E+01	1.133E+01
6	1.601E+02	1.348E+02	3.378E+01	7.673E+00	2.582E-06	1.066E-09	1.286E-14	3.387E-04	1.068E+02	1.068E+02	1.068E+02	3.850E+00
7	1.089E+02	9.534E+01	3.026E+01	9.154E+00	4.446E-06	2.605E-09	4.407E-14	2.857E-04	7.551E+01	7.551E+01	7.551E+01	6.630E+00
8	7.624E+01	6.925E+01	2.655E+01	9.756E+00	6.132E-06	4.576E-09	9.776E-14	2.423E-04	5.485E+01	5.485E+01	5.485E+01	9.144E+00
9	1.002E+02	9.227E+01	3.662E+01	1.335E+01	8.153E-06	5.907E-09	1.227E-13	3.305E-04	7.308E+01	7.308E+01	7.308E+01	1.216E+01
10	1.173E+00	1.174E+00	1.151E+00	1.115E+00	3.513E-05	1.210E-06	1.096E-09	1.121E-05	9.298E-01	9.298E-01	9.298E-01	6.134E+01
11	4.531E-01	4.534E-01	4.517E-01	4.466E-01	2.132E-05	1.070E-06	1.422E-09	4.423E-06	3.591E-01	3.591E-01	3.591E-01	3.372E+01
12	1.885E-01	1.886E-01	1.877E-01	1.852E-01	9.539E-06	5.778E-07	9.585E-10	1.837E-06	1.494E-01	1.494E-01	1.494E-01	1.619E+01
13	2.600E+02	1.810E+02	3.285E+01	5.918E+00	1.556E-06	5.095E-10	4.903E-15	3.750E-04	1.434E+02	1.434E+02	1.434E+02	2.688E+00
14	7.440E+01	6.770E+01	3.045E+01	1.469E+01	1.451E-05	1.657E-08	5.329E-13	2.789E-04	5.362E+01	5.362E+01	5.362E+01	2.256E+01



REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 329  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 7, 545,955,545,955,    DURATION IN YRS IS... 3.0  
 NUMBER 1 NAME=Nearest Resident    X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.50E-01	2.39E-01	3.57E-01	1.17E-01	6.35E-02	1.39E+00
INFANT	GROUND	1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.57E-02
INFANT	CLOUD	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.21E-02	3.77E-02	2.90E-02	2.90E-02	2.63E-02	0.00E+00
INFANT	TOTALS	1.89E-01	3.04E-01	4.13E-01	1.73E-01	1.17E-01	1.41E+00
CHILD	INHAL.	1.14E-01	2.01E-01	1.59E-01	5.02E-02	2.52E-02	1.39E+00
CHILD	GROUND	1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.57E-02
CHILD	CLOUD	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02
CHILD	VEG. ING	8.23E-03	4.05E-02	3.84E-02	3.84E-02	2.84E-02	0.00E+00
CHILD	MEAT ING	1.01E-03	4.86E-03	5.04E-03	5.04E-03	3.71E-03	0.00E+00
CHILD	MILK ING	1.70E-03	1.05E-02	6.64E-03	6.64E-03	5.00E-03	0.00E+00
CHILD	TOTALS	1.52E-01	2.84E-01	2.36E-01	1.27E-01	8.93E-02	1.41E+00
TEENAGE	INHAL.	1.05E-01	2.37E-01	8.14E-02	2.16E-02	1.26E-02	1.39E+00
TEENAGE	GROUND	1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.57E-02
TEENAGE	CLOUD	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02
TEENAGE	VEG. ING	1.31E-02	2.10E-01	3.41E-02	3.41E-02	2.87E-02	0.00E+00
TEENAGE	MEAT ING	1.55E-03	2.44E-02	4.41E-03	4.41E-03	3.67E-03	0.00E+00
TEENAGE	MILK ING	2.30E-03	4.49E-02	4.25E-03	4.25E-03	3.74E-03	0.00E+00
TEENAGE	TOTALS	1.49E-01	5.43E-01	1.51E-01	9.13E-02	7.57E-02	1.41E+00
ADULT	INHAL.	1.02E-01	2.14E-01	6.66E-02	1.80E-02	1.01E-02	1.39E+00
ADULT	GROUND	1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.57E-02
ADULT	CLOUD	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02	1.13E-02
ADULT	VEG. ING	7.61E-03	9.16E-02	2.22E-02	2.22E-02	1.83E-02	0.00E+00
ADULT	MEAT ING	1.15E-03	1.39E-02	3.64E-03	3.64E-03	2.98E-03	0.00E+00
ADULT	MILK ING	4.64E-04	6.61E-03	1.06E-03	1.06E-03	8.99E-04	0.00E+00
ADULT	TOTALS	1.38E-01	3.53E-01	1.20E-01	7.19E-02	5.92E-02	1.41E+00

NUMBER 2 NAME=Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.17E+01	1.47E+02	2.41E+02	2.98E+01	2.33E+01	0.00E+00
INFANT	GROUND	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00
INFANT	CLOUD	5.61E-07	5.61E-07	5.61E-07	5.61E-07	5.61E-07	5.61E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.10E+01	3.63E+01	2.30E+01	2.30E+01	2.20E+01	0.00E+00
INFANT	TOTALS	5.47E+01	1.85E+02	2.66E+02	5.48E+01	4.72E+01	1.99E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.95E+01	1.24E+02	1.08E+02	1.20E+01	7.93E+00	0.00E+00
CHILD	GROUND	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00
CHILD	CLOUD	5.61E-07	5.61E-07	5.61E-07	5.61E-07	5.61E-07	5.61E-07
CHILD	VEG. ING	6.51E+00	3.42E+01	2.68E+01	2.68E+01	2.07E+01	0.00E+00
CHILD	MEAT ING	7.99E-01	3.93E+00	3.93E+00	3.93E+00	2.90E+00	0.00E+00
CHILD	MILK ING	1.47E+00	9.61E+00	5.23E+00	5.23E+00	4.09E+00	0.00E+00
CHILD	TOTALS	3.02E+01	1.74E+02	1.46E+02	5.00E+01	3.76E+01	1.99E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.29E+01	1.38E+02	5.52E+01	5.25E+00	3.97E+00	0.00E+00
TEENAGE	GROUND	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00
TEENAGE	CLOUD	5.61E-07	5.61E-07	5.61E-07	5.61E-07	5.61E-07	5.61E-07
TEENAGE	VEG. ING	1.08E+01	1.85E+02	2.35E+01	2.35E+01	2.09E+01	0.00E+00
TEENAGE	MEAT ING	1.25E+00	2.00E+01	3.43E+00	3.43E+00	2.88E+00	0.00E+00
TEENAGE	MILK ING	2.07E+00	4.22E+01	3.36E+00	3.36E+00	3.09E+00	0.00E+00
TEENAGE	TOTALS	2.90E+01	3.87E+02	8.75E+01	3.76E+01	3.28E+01	1.99E+00
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.12E+01	1.29E+02	4.51E+01	4.33E+00	3.02E+00	0.00E+00
ADULT	GROUND	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00
ADULT	CLOUD	5.61E-07	5.61E-07	5.61E-07	5.61E-07	5.61E-07	5.61E-07
ADULT	VEG. ING	6.01E+00	7.56E+01	1.53E+01	1.53E+01	1.32E+01	0.00E+00
ADULT	MEAT ING	9.20E-01	1.12E+01	2.84E+00	2.84E+00	2.33E+00	0.00E+00
ADULT	MILK ING	4.08E-01	6.03E+00	8.33E-01	8.33E-01	7.36E-01	0.00E+00
ADULT	TOTALS	2.05E+01	2.24E+02	6.62E+01	2.53E+01	2.13E+01	1.99E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.44E+01	1.47E+02	2.41E+02	2.99E+01	2.33E+01	2.11E+02
INFANT	GROUND	6.18E+01	6.18E+01	6.18E+01	6.18E+01	6.18E+01	6.18E+01
INFANT	CLOUD	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.10E+01	3.63E+01	2.30E+01	2.30E+01	2.20E+01	0.00E+00
INFANT	TOTALS	1.27E+02	2.45E+02	3.26E+02	1.15E+02	1.07E+02	2.73E+02
CHILD	INHAL.	3.21E+01	1.24E+02	1.08E+02	1.20E+01	7.94E+00	2.11E+02
CHILD	GROUND	6.18E+01	6.18E+01	6.18E+01	6.18E+01	6.18E+01	6.18E+01
CHILD	CLOUD	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01
CHILD	VEG. ING	6.51E+00	3.42E+01	2.68E+01	2.68E+01	2.07E+01	0.00E+00
CHILD	MEAT ING	7.99E-01	3.93E+00	3.93E+00	3.93E+00	2.90E+00	0.00E+00
CHILD	MILK ING	1.47E+00	9.61E+00	5.23E+00	5.23E+00	4.09E+00	0.00E+00
CHILD	TOTALS	1.03E+02	2.34E+02	2.06E+02	1.10E+02	9.76E+01	2.73E+02
TEENAGE	INHAL.	2.56E+01	1.38E+02	5.52E+01	5.25E+00	3.97E+00	2.11E+02
TEENAGE	GROUND	6.18E+01	6.18E+01	6.18E+01	6.18E+01	6.18E+01	6.18E+01
TEENAGE	CLOUD	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01
TEENAGE	VEG. ING	1.08E+01	1.85E+02	2.35E+01	2.35E+01	2.09E+01	0.00E+00
TEENAGE	MEAT ING	1.25E+00	2.00E+01	3.43E+00	3.43E+00	2.88E+00	0.00E+00
TEENAGE	MILK ING	2.07E+00	4.22E+01	3.36E+00	3.36E+00	3.09E+00	0.00E+00
TEENAGE	TOTALS	1.02E+02	4.47E+02	1.48E+02	9.76E+01	9.28E+01	2.73E+02
ADULT	INHAL.	2.38E+01	1.29E+02	4.51E+01	4.34E+00	3.02E+00	2.11E+02
ADULT	GROUND	6.18E+01	6.18E+01	6.18E+01	6.18E+01	6.18E+01	6.18E+01
ADULT	CLOUD	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01	2.14E-01
ADULT	VEG. ING	6.01E+00	7.56E+01	1.53E+01	1.53E+01	1.32E+01	0.00E+00
ADULT	MEAT ING	9.20E-01	1.12E+01	2.84E+00	2.84E+00	2.33E+00	0.00E+00
ADULT	MILK ING	4.08E-01	6.03E+00	8.34E-01	8.34E-01	7.36E-01	0.00E+00
ADULT	TOTALS	9.32E+01	2.84E+02	1.26E+02	8.54E+01	8.13E+01	2.73E+02

NUMBER 3 NAME-Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M. DIST= 0.2KM. IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.57E+01	9.30E+01	1.46E+02	1.89E+01	1.47E+01	0.00E+00
INFANT	GROUND	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01
INFANT	CLOUD	3.38E-07	3.38E-07	3.38E-07	3.38E-07	3.38E-07	3.38E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.79E+00	1.30E+01	7.63E+00	7.63E+00	7.00E+00	0.00E+00
INFANT	TOTALS	2.96E+01	1.06E+02	1.54E+02	2.67E+01	2.19E+01	1.21E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.20E+01	7.85E+01	6.52E+01	7.63E+00	5.02E+00	0.00E+00
CHILD	GROUND	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01
CHILD	CLOUD	3.38E-07	3.38E-07	3.38E-07	3.38E-07	3.38E-07	3.38E-07
CHILD	VEG. ING	2.26E+00	1.15E+01	9.88E+00	9.88E+00	7.32E+00	0.00E+00
CHILD	MEAT ING	2.67E-01	1.33E+00	1.29E+00	1.29E+00	9.48E-01	0.00E+00
CHILD	MILK ING	5.07E-01	3.44E+00	1.73E+00	1.73E+00	1.32E+00	0.00E+00
CHILD	TOTALS	1.51E+01	9.49E+01	7.82E+01	2.06E+01	1.47E+01	1.21E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.01E+00	8.72E+01	3.34E+01	3.33E+00	2.51E+00	0.00E+00
TEENAGE	GROUND	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01
TEENAGE	CLOUD	3.38E-07	3.38E-07	3.38E-07	3.38E-07	3.38E-07	3.38E-07
TEENAGE	VEG. ING	3.73E+00	6.13E+01	8.78E+00	8.78E+00	7.44E+00	0.00E+00
TEENAGE	MEAT ING	4.21E-01	6.81E+00	1.13E+00	1.13E+00	9.43E-01	0.00E+00
TEENAGE	MILK ING	7.36E-01	1.53E+01	1.11E+00	1.11E+00	1.01E+00	0.00E+00
TEENAGE	TOTALS	1.30E+01	1.71E+02	4.45E+01	1.45E+01	1.20E+01	1.21E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.94E+00	8.19E+01	2.73E+01	2.75E+00	1.91E+00	0.00E+00
ADULT	GROUND	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01
ADULT	CLOUD	3.38E-07	3.38E-07	3.38E-07	3.38E-07	3.38E-07	3.38E-07
ADULT	VEG. ING	2.12E+00	2.59E+01	5.72E+00	5.72E+00	4.74E+00	0.00E+00
ADULT	MEAT ING	3.08E-01	3.78E+00	9.30E-01	9.30E-01	7.63E-01	0.00E+00
ADULT	MILK ING	1.43E-01	2.16E+00	2.76E-01	2.76E-01	2.39E-01	0.00E+00
ADULT	TOTALS	9.63E+00	1.14E+02	3.43E+01	9.80E+00	7.78E+00	1.21E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 333  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 7, 545,955,545,955, DURATION IN YRS IS... 3.0  
 NUMBER 3 NAME=Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.21E+01	9.31E+01	1.46E+02	1.89E+01	1.47E+01	1.07E+02
INFANT	GROUND	5.30E+00	5.30E+00	5.30E+00	5.30E+00	5.30E+00	5.30E+00
INFANT	CLOUD	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.79E+00	1.30E+01	7.63E+00	7.63E+00	7.00E+00	0.00E+00
INFANT	TOTALS	4.13E+01	1.11E+02	1.59E+02	3.20E+01	2.72E+01	1.12E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.84E+01	7.85E+01	6.52E+01	7.64E+00	5.02E+00	1.07E+02
CHILD	GROUND	5.30E+00	5.30E+00	5.30E+00	5.30E+00	5.30E+00	5.30E+00
CHILD	CLOUD	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01
CHILD	VEG. ING	2.27E+00	1.15E+01	9.88E+00	9.88E+00	7.32E+00	0.00E+00
CHILD	MEAT ING	2.67E-01	1.33E+00	1.29E+00	1.29E+00	9.48E-01	0.00E+00
CHILD	MILK ING	5.07E-01	3.44E+00	1.73E+00	1.73E+00	1.32E+00	0.00E+00
CHILD	TOTALS	2.68E+01	1.00E+02	8.35E+01	2.60E+01	2.00E+01	1.12E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.44E+01	8.72E+01	3.34E+01	3.33E+00	2.51E+00	1.07E+02
TEENAGE	GROUND	5.30E+00	5.30E+00	5.30E+00	5.30E+00	5.30E+00	5.30E+00
TEENAGE	CLOUD	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01
TEENAGE	VEG. ING	3.73E+00	6.13E+01	8.78E+00	8.78E+00	7.44E+00	0.00E+00
TEENAGE	MEAT ING	4.21E-01	6.81E+00	1.13E+00	1.13E+00	9.43E-01	0.00E+00
TEENAGE	MILK ING	7.36E-01	1.53E+01	1.11E+00	1.11E+00	1.01E+00	0.00E+00
TEENAGE	TOTALS	2.47E+01	1.76E+02	4.98E+01	1.98E+01	1.73E+01	1.12E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.33E+01	8.19E+01	2.73E+01	2.75E+00	1.91E+00	1.07E+02
ADULT	GROUND	5.30E+00	5.30E+00	5.30E+00	5.30E+00	5.30E+00	5.30E+00
ADULT	CLOUD	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01	1.21E-01
ADULT	VEG. ING	2.12E+00	2.59E+01	5.73E+00	5.73E+00	4.74E+00	0.00E+00
ADULT	MEAT ING	3.08E-01	3.78E+00	9.31E-01	9.31E-01	7.63E-01	0.00E+00
ADULT	MILK ING	1.43E-01	2.16E+00	2.76E-01	2.76E-01	2.39E-01	0.00E+00
ADULT	TOTALS	2.13E+01	1.19E+02	3.96E+01	1.51E+01	1.31E+01	1.12E+02



NUMBER 4 NAME-Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.04E+01	7.39E+01	1.16E+02	1.50E+01	1.17E+01	0.00E+00
INFANT	GROUND	9.57E-02	9.57E-02	9.57E-02	9.57E-02	9.57E-02	9.57E-02
INFANT	CLOUD	2.68E-07	2.68E-07	2.68E-07	2.68E-07	2.68E-07	2.68E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.01E+00	1.03E+01	6.06E+00	6.06E+00	5.55E+00	0.00E+00
INFANT	TOTALS	2.35E+01	8.43E+01	1.22E+02	2.12E+01	1.74E+01	9.57E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.51E+00	6.24E+01	5.18E+01	6.06E+00	3.99E+00	0.00E+00
CHILD	GROUND	9.57E-02	9.57E-02	9.57E-02	9.57E-02	9.57E-02	9.57E-02
CHILD	CLOUD	2.68E-07	2.68E-07	2.68E-07	2.68E-07	2.68E-07	2.68E-07
CHILD	VEG. ING	1.80E+00	9.14E+00	7.84E+00	7.84E+00	5.81E+00	0.00E+00
CHILD	MEAT ING	2.12E-01	1.05E+00	1.02E+00	1.02E+00	7.53E-01	0.00E+00
CHILD	MILK ING	4.03E-01	2.73E+00	1.37E+00	1.37E+00	1.05E+00	0.00E+00
CHILD	TOTALS	1.20E+01	7.54E+01	6.21E+01	1.64E+01	1.17E+01	9.57E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	6.36E+00	6.93E+01	2.65E+01	2.64E+00	1.99E+00	0.00E+00
TEENAGE	GROUND	9.57E-02	9.57E-02	9.57E-02	9.57E-02	9.57E-02	9.57E-02
TEENAGE	CLOUD	2.68E-07	2.68E-07	2.68E-07	2.68E-07	2.68E-07	2.68E-07
TEENAGE	VEG. ING	2.96E+00	4.87E+01	6.97E+00	6.97E+00	5.91E+00	0.00E+00
TEENAGE	MEAT ING	3.34E-01	5.41E+00	8.94E-01	8.94E-01	7.48E-01	0.00E+00
TEENAGE	MILK ING	5.84E-01	1.22E+01	8.82E-01	8.82E-01	7.99E-01	0.00E+00
TEENAGE	TOTALS	1.03E+01	1.36E+02	3.54E+01	1.15E+01	9.55E+00	9.57E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.51E+00	6.51E+01	2.17E+01	2.18E+00	1.52E+00	0.00E+00
ADULT	GROUND	9.57E-02	9.57E-02	9.57E-02	9.57E-02	9.57E-02	9.57E-02
ADULT	CLOUD	2.68E-07	2.68E-07	2.68E-07	2.68E-07	2.68E-07	2.68E-07
ADULT	VEG. ING	1.68E+00	2.06E+01	4.55E+00	4.55E+00	3.76E+00	0.00E+00
ADULT	MEAT ING	2.45E-01	3.00E+00	7.39E-01	7.39E-01	6.06E-01	0.00E+00
ADULT	MILK ING	1.14E-01	1.71E+00	2.19E-01	2.19E-01	1.90E-01	0.00E+00
ADULT	TOTALS	7.65E+00	9.04E+01	2.73E+01	7.78E+00	6.18E+00	9.57E-02

REGION: Sweetwater Uranium Facility      CODE: MILDOS-AREA (03/89)      PAGE 335  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER, 7, 545,955,545,955,      DURATION IN YRS IS... 3.0  
 NUMBER 4 NAME=Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.54E+01	7.39E+01	1.16E+02	1.50E+01	1.17E+01	8.28E+01
INFANT	GROUND	4.19E+00	4.19E+00	4.19E+00	4.19E+00	4.19E+00	4.19E+00
INFANT	CLOUD	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.01E+00	1.03E+01	6.06E+00	6.06E+00	5.55E+00	0.00E+00
INFANT	TOTALS	3.26E+01	8.85E+01	1.27E+02	2.53E+01	2.15E+01	8.70E+01
CHILD	INHAL.	1.45E+01	6.24E+01	5.18E+01	6.06E+00	3.99E+00	8.28E+01
CHILD	GROUND	4.19E+00	4.19E+00	4.19E+00	4.19E+00	4.19E+00	4.19E+00
CHILD	CLOUD	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02
CHILD	VEG. ING	1.80E+00	9.14E+00	7.84E+00	7.84E+00	5.81E+00	0.00E+00
CHILD	MEAT ING	2.12E-01	1.05E+00	1.02E+00	1.02E+00	7.53E-01	0.00E+00
CHILD	MILK ING	4.03E-01	2.73E+00	1.37E+00	1.37E+00	1.05E+00	0.00E+00
CHILD	TOTALS	2.11E+01	7.95E+01	6.63E+01	2.06E+01	1.59E+01	8.70E+01
TEENAGE	INHAL.	1.13E+01	6.93E+01	2.65E+01	2.64E+00	1.99E+00	8.28E+01
TEENAGE	GROUND	4.19E+00	4.19E+00	4.19E+00	4.19E+00	4.19E+00	4.19E+00
TEENAGE	CLOUD	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02
TEENAGE	VEG. ING	2.96E+00	4.87E+01	6.97E+00	6.97E+00	5.91E+00	0.00E+00
TEENAGE	MEAT ING	3.34E-01	5.41E+00	8.94E-01	8.94E-01	7.48E-01	0.00E+00
TEENAGE	MILK ING	5.84E-01	1.22E+01	8.82E-01	8.82E-01	7.99E-01	0.00E+00
TEENAGE	TOTALS	1.95E+01	1.40E+02	3.95E+01	1.56E+01	1.37E+01	8.70E+01
ADULT	INHAL.	1.05E+01	6.51E+01	2.17E+01	2.18E+00	1.52E+00	8.28E+01
ADULT	GROUND	4.19E+00	4.19E+00	4.19E+00	4.19E+00	4.19E+00	4.19E+00
ADULT	CLOUD	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02	5.63E-02
ADULT	VEG. ING	1.68E+00	2.06E+01	4.55E+00	4.55E+00	3.76E+00	0.00E+00
ADULT	MEAT ING	2.45E-01	3.00E+00	7.39E-01	7.39E-01	6.06E-01	0.00E+00
ADULT	MILK ING	1.14E-01	1.71E+00	2.19E-01	2.19E-01	1.90E-01	0.00E+00
ADULT	TOTALS	1.68E+01	9.46E+01	3.14E+01	1.19E+01	1.03E+01	8.70E+01

NUMBER 5 NAME-Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.30E+01	8.29E+01	1.32E+02	1.69E+01	1.31E+01	0.00E+00
INFANT	GROUND	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01
INFANT	CLOUD	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.91E+00	1.33E+01	7.95E+00	7.95E+00	7.39E+00	0.00E+00
INFANT	TOTALS	2.72E+01	9.65E+01	1.40E+02	2.51E+01	2.08E+01	2.98E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.07E+01	7.00E+01	5.86E+01	6.80E+00	4.48E+00	0.00E+00
CHILD	GROUND	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01
CHILD	CLOUD	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07
CHILD	VEG. ING	2.33E+00	1.20E+01	9.99E+00	9.99E+00	7.49E+00	0.00E+00
CHILD	MEAT ING	2.77E-01	1.38E+00	1.35E+00	1.35E+00	9.93E-01	0.00E+00
CHILD	MILK ING	5.23E-01	3.50E+00	1.81E+00	1.81E+00	1.39E+00	0.00E+00
CHILD	TOTALS	1.42E+01	8.71E+01	7.20E+01	2.02E+01	1.46E+01	2.98E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.16E+00	7.77E+01	3.00E+01	2.96E+00	2.24E+00	0.00E+00
TEENAGE	GROUND	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01
TEENAGE	CLOUD	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07
TEENAGE	VEG. ING	3.84E+00	6.39E+01	8.84E+00	8.84E+00	7.59E+00	0.00E+00
TEENAGE	MEAT ING	4.37E-01	7.05E+00	1.18E+00	1.18E+00	9.87E-01	0.00E+00
TEENAGE	MILK ING	7.52E-01	1.55E+01	1.16E+00	1.16E+00	1.06E+00	0.00E+00
TEENAGE	TOTALS	1.25E+01	1.65E+02	4.15E+01	1.44E+01	1.22E+01	2.98E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.21E+00	7.30E+01	2.45E+01	2.45E+00	1.71E+00	0.00E+00
ADULT	GROUND	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01
ADULT	CLOUD	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07
ADULT	VEG. ING	2.17E+00	2.67E+01	5.77E+00	5.77E+00	4.83E+00	0.00E+00
ADULT	MEAT ING	3.20E-01	3.92E+00	9.73E-01	9.73E-01	7.99E-01	0.00E+00
ADULT	MILK ING	1.47E-01	2.20E+00	2.88E-01	2.88E-01	2.51E-01	0.00E+00
ADULT	TOTALS	9.14E+00	1.06E+02	3.19E+01	9.77E+00	7.88E+00	2.98E-01

REGION: Sweetwater Uranium Facility      CODE: MILDOS-AREA (03/89)      PAGE 337  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 7, 545,955,545,955,      DURATION IN YRS IS... 3.0  
 NUMBER 5 NAME-Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.89E+01	8.29E+01	1.32E+02	1.69E+01	1.31E+01	9.88E+01
INFANT	GROUND	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01
INFANT	CLOUD	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.91E+00	1.33E+01	7.95E+00	7.95E+00	7.39E+00	0.00E+00
INFANT	TOTALS	4.34E+01	1.07E+02	1.50E+02	3.53E+01	3.10E+01	1.09E+02
CHILD	INHAL.	1.67E+01	7.00E+01	5.86E+01	6.81E+00	4.48E+00	9.88E+01
CHILD	GROUND	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01
CHILD	CLOUD	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01
CHILD	VEG. ING	2.33E+00	1.20E+01	9.99E+00	9.99E+00	7.49E+00	0.00E+00
CHILD	MEAT ING	2.77E-01	1.38E+00	1.35E+00	1.35E+00	9.93E-01	0.00E+00
CHILD	MILK ING	5.23E-01	3.50E+00	1.81E+00	1.81E+00	1.39E+00	0.00E+00
CHILD	TOTALS	3.03E+01	9.73E+01	8.22E+01	3.05E+01	2.49E+01	1.09E+02
TEENAGE	INHAL.	1.31E+01	7.77E+01	3.00E+01	2.97E+00	2.24E+00	9.88E+01
TEENAGE	GROUND	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01
TEENAGE	CLOUD	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01
TEENAGE	VEG. ING	3.84E+00	6.39E+01	8.85E+00	8.85E+00	7.60E+00	0.00E+00
TEENAGE	MEAT ING	4.37E-01	7.05E+00	1.18E+00	1.18E+00	9.87E-01	0.00E+00
TEENAGE	MILK ING	7.52E-01	1.55E+01	1.16E+00	1.16E+00	1.06E+00	0.00E+00
TEENAGE	TOTALS	2.86E+01	1.75E+02	5.17E+01	2.47E+01	2.24E+01	1.09E+02
ADULT	INHAL.	1.21E+01	7.30E+01	2.45E+01	2.45E+00	1.71E+00	9.88E+01
ADULT	GROUND	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01
ADULT	CLOUD	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01
ADULT	VEG. ING	2.17E+00	2.68E+01	5.77E+00	5.77E+00	4.83E+00	0.00E+00
ADULT	MEAT ING	3.21E-01	3.92E+00	9.74E-01	9.74E-01	7.99E-01	0.00E+00
ADULT	MILK ING	1.47E-01	2.20E+00	2.88E-01	2.88E-01	2.51E-01	0.00E+00
ADULT	TOTALS	2.53E+01	1.16E+02	4.21E+01	2.00E+01	1.81E+01	1.09E+02

NUMBER 6 NAME=Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.98E+01	1.79E+02	2.84E+02	3.64E+01	2.84E+01	0.00E+00
INFANT	GROUND	7.18E-01	7.18E-01	7.18E-01	7.18E-01	7.18E-01	7.18E-01
INFANT	CLOUD	6.58E-07	6.58E-07	6.58E-07	6.58E-07	6.58E-07	6.58E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.64E+00	2.93E+01	1.76E+01	1.76E+01	1.64E+01	0.00E+00
INFANT	TOTALS	5.91E+01	2.09E+02	3.03E+02	5.47E+01	4.55E+01	7.18E-01
CHILD	INHAL.	2.32E+01	1.51E+02	1.27E+02	1.47E+01	9.67E+00	0.00E+00
CHILD	GROUND	7.18E-01	7.18E-01	7.18E-01	7.18E-01	7.18E-01	7.18E-01
CHILD	CLOUD	6.58E-07	6.58E-07	6.58E-07	6.58E-07	6.58E-07	6.58E-07
CHILD	VEG. ING	5.15E+00	2.65E+01	2.20E+01	2.20E+01	1.66E+01	0.00E+00
CHILD	MEAT ING	6.15E-01	3.05E+00	2.99E+00	2.99E+00	2.20E+00	0.00E+00
CHILD	MILK ING	1.16E+00	7.74E+00	4.00E+00	4.00E+00	3.07E+00	0.00E+00
CHILD	TOTALS	3.08E+01	1.89E+02	1.56E+02	4.44E+01	3.22E+01	7.18E-01
TEENAGE	INHAL.	1.55E+01	1.68E+02	6.49E+01	6.40E+00	4.83E+00	0.00E+00
TEENAGE	GROUND	7.18E-01	7.18E-01	7.18E-01	7.18E-01	7.18E-01	7.18E-01
TEENAGE	CLOUD	6.58E-07	6.58E-07	6.58E-07	6.58E-07	6.58E-07	6.58E-07
TEENAGE	VEG. ING	8.50E+00	1.42E+02	1.95E+01	1.95E+01	1.68E+01	0.00E+00
TEENAGE	MEAT ING	9.67E-01	1.56E+01	2.61E+00	2.61E+00	2.19E+00	0.00E+00
TEENAGE	MILK ING	1.66E+00	3.43E+01	2.57E+00	2.57E+00	2.34E+00	0.00E+00
TEENAGE	TOTALS	2.73E+01	3.60E+02	9.03E+01	3.18E+01	2.69E+01	7.18E-01
ADULT	INHAL.	1.34E+01	1.58E+02	5.31E+01	5.28E+00	3.68E+00	0.00E+00
ADULT	GROUND	7.18E-01	7.18E-01	7.18E-01	7.18E-01	7.18E-01	7.18E-01
ADULT	CLOUD	6.58E-07	6.58E-07	6.58E-07	6.58E-07	6.58E-07	6.58E-07
ADULT	VEG. ING	4.79E+00	5.92E+01	1.27E+01	1.27E+01	1.07E+01	0.00E+00
ADULT	MEAT ING	7.10E-01	8.69E+00	2.16E+00	2.16E+00	1.77E+00	0.00E+00
ADULT	MILK ING	3.25E-01	4.86E+00	6.38E-01	6.38E-01	5.57E-01	0.00E+00
ADULT	TOTALS	2.00E+01	2.31E+02	6.93E+01	2.15E+01	1.74E+01	7.18E-01



REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 340  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 7, 545,955,545,955,      DURATION IN YRS IS... 3.0  
 NUMBER 7 NAME-Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.22E+01	1.17E+02	1.84E+02	2.37E+01	1.85E+01	0.00E+00
INFANT	GROUND	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01
INFANT	CLOUD	4.24E-07	4.24E-07	4.24E-07	4.24E-07	4.24E-07	4.24E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.73E+00	1.62E+01	9.51E+00	9.51E+00	8.72E+00	0.00E+00
INFANT	TOTALS	3.71E+01	1.33E+02	1.93E+02	3.34E+01	2.73E+01	1.44E-01
CHILD	INHAL.	1.50E+01	9.85E+01	8.17E+01	9.57E+00	6.30E+00	0.00E+00
CHILD	GROUND	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01
CHILD	CLOUD	4.24E-07	4.24E-07	4.24E-07	4.24E-07	4.24E-07	4.24E-07
CHILD	VEG. ING	2.83E+00	1.44E+01	1.23E+01	1.23E+01	9.14E+00	0.00E+00
CHILD	MEAT ING	3.32E-01	1.65E+00	1.61E+00	1.61E+00	1.18E+00	0.00E+00
CHILD	MILK ING	6.33E-01	4.29E+00	2.16E+00	2.16E+00	1.64E+00	0.00E+00
CHILD	TOTALS	1.89E+01	1.19E+02	9.79E+01	2.58E+01	1.84E+01	1.44E-01
TEENAGE	INHAL.	1.00E+01	1.09E+02	4.19E+01	4.17E+00	3.15E+00	0.00E+00
TEENAGE	GROUND	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01
TEENAGE	CLOUD	4.24E-07	4.24E-07	4.24E-07	4.24E-07	4.24E-07	4.24E-07
TEENAGE	VEG. ING	4.65E+00	7.65E+01	1.10E+01	1.10E+01	9.29E+00	0.00E+00
TEENAGE	MEAT ING	5.25E-01	8.50E+00	1.40E+00	1.40E+00	1.18E+00	0.00E+00
TEENAGE	MILK ING	9.19E-01	1.91E+01	1.39E+00	1.39E+00	1.25E+00	0.00E+00
TEENAGE	TOTALS	1.63E+01	2.14E+02	5.58E+01	1.81E+01	1.50E+01	1.44E-01
ADULT	INHAL.	8.70E+00	1.03E+02	3.42E+01	3.44E+00	2.40E+00	0.00E+00
ADULT	GROUND	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01
ADULT	CLOUD	4.24E-07	4.24E-07	4.24E-07	4.24E-07	4.24E-07	4.24E-07
ADULT	VEG. ING	2.64E+00	3.23E+01	7.15E+00	7.15E+00	5.92E+00	0.00E+00
ADULT	MEAT ING	3.85E-01	4.71E+00	1.16E+00	1.16E+00	9.52E-01	0.00E+00
ADULT	MILK ING	1.79E-01	2.70E+00	3.44E-01	3.44E-01	2.98E-01	0.00E+00
ADULT	TOTALS	1.20E+01	1.43E+02	4.30E+01	1.22E+01	9.71E+00	1.44E-01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 341  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 7, 545,955,545,955.      DURATION IN YRS IS... 3.0  
 NUMBER 7 NAME=Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.04E+01	1.17E+02	1.84E+02	2.37E+01	1.85E+01	1.36E+02
INFANT	GROUND	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00
INFANT	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.73E+00	1.62E+01	9.52E+00	9.52E+00	8.72E+00	0.00E+00
INFANT	TOTALS	5.16E+01	1.39E+02	2.00E+02	3.98E+01	3.37E+01	1.43E+02
CHILD	INHAL.	2.32E+01	9.85E+01	8.17E+01	9.57E+00	6.30E+00	1.36E+02
CHILD	GROUND	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00
CHILD	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
CHILD	VEG. ING	2.83E+00	1.44E+01	1.23E+01	1.23E+01	9.14E+00	0.00E+00
CHILD	MEAT ING	3.33E-01	1.66E+00	1.61E+00	1.61E+00	1.18E+00	0.00E+00
CHILD	MILK ING	6.33E-01	4.29E+00	2.16E+00	2.16E+00	1.64E+00	0.00E+00
CHILD	TOTALS	3.35E+01	1.25E+02	1.04E+02	3.22E+01	2.48E+01	1.43E+02
TEENAGE	INHAL.	1.82E+01	1.09E+02	4.19E+01	4.17E+00	3.15E+00	1.36E+02
TEENAGE	GROUND	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00
TEENAGE	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
TEENAGE	VEG. ING	4.65E+00	7.65E+01	1.10E+01	1.10E+01	9.29E+00	0.00E+00
TEENAGE	MEAT ING	5.25E-01	8.50E+00	1.40E+00	1.40E+00	1.18E+00	0.00E+00
TEENAGE	MILK ING	9.19E-01	1.91E+01	1.39E+00	1.39E+00	1.26E+00	0.00E+00
TEENAGE	TOTALS	3.08E+01	2.20E+02	6.21E+01	2.45E+01	2.14E+01	1.43E+02
ADULT	INHAL.	1.69E+01	1.03E+02	3.42E+01	3.45E+00	2.40E+00	1.36E+02
ADULT	GROUND	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00
ADULT	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
ADULT	VEG. ING	2.64E+00	3.23E+01	7.15E+00	7.15E+00	5.92E+00	0.00E+00
ADULT	MEAT ING	3.85E-01	4.71E+00	1.16E+00	1.16E+00	9.52E-01	0.00E+00
ADULT	MILK ING	1.79E-01	2.70E+00	3.44E-01	3.44E-01	2.98E-01	0.00E+00
ADULT	TOTALS	2.66E+01	1.49E+02	4.94E+01	1.86E+01	1.61E+01	1.43E+02



REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 342  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 7, 545,955,545,955,    DURATION IN YRS IS... 3.0

NUMBER 8 NAME-Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.25E+01	8.12E+01	1.28E+02	1.65E+01	1.29E+01	0.00E+00
INFANT	GROUND	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01
INFANT	CLOUD	2.96E-07	2.96E-07	2.96E-07	2.96E-07	2.96E-07	2.96E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.59E+00	1.23E+01	7.28E+00	7.28E+00	6.73E+00	0.00E+00
INFANT	TOTALS	2.63E+01	9.37E+01	1.36E+02	2.40E+01	1.98E+01	2.09E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.05E+01	6.85E+01	5.71E+01	6.66E+00	4.38E+00	0.00E+00
CHILD	GROUND	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01
CHILD	CLOUD	2.96E-07	2.96E-07	2.96E-07	2.96E-07	2.96E-07	2.96E-07
CHILD	VEG. ING	2.14E+00	1.10E+01	9.26E+00	9.26E+00	6.91E+00	0.00E+00
CHILD	MEAT ING	2.54E-01	1.26E+00	1.23E+00	1.23E+00	9.08E-01	0.00E+00
CHILD	MILK ING	4.81E-01	3.24E+00	1.65E+00	1.65E+00	1.26E+00	0.00E+00
CHILD	TOTALS	1.36E+01	8.42E+01	6.95E+01	1.90E+01	1.37E+01	2.09E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.00E+00	7.61E+01	2.93E+01	2.90E+00	2.19E+00	0.00E+00
TEENAGE	GROUND	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01
TEENAGE	CLOUD	2.96E-07	2.96E-07	2.96E-07	2.96E-07	2.96E-07	2.96E-07
TEENAGE	VEG. ING	3.54E+00	5.86E+01	8.22E+00	8.22E+00	7.02E+00	0.00E+00
TEENAGE	MEAT ING	4.01E-01	6.48E+00	1.08E+00	1.08E+00	9.02E-01	0.00E+00
TEENAGE	MILK ING	6.94E-01	1.44E+01	1.06E+00	1.06E+00	9.65E-01	0.00E+00
TEENAGE	TOTALS	1.18E+01	1.56E+02	3.98E+01	1.35E+01	1.13E+01	2.09E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.07E+00	7.15E+01	2.39E+01	2.40E+00	1.67E+00	0.00E+00
ADULT	GROUND	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01	2.09E-01
ADULT	CLOUD	2.96E-07	2.96E-07	2.96E-07	2.96E-07	2.96E-07	2.96E-07
ADULT	VEG. ING	2.00E+00	2.46E+01	5.36E+00	5.36E+00	4.47E+00	0.00E+00
ADULT	MEAT ING	2.94E-01	3.60E+00	8.90E-01	8.90E-01	7.31E-01	0.00E+00
ADULT	MILK ING	1.35E-01	2.04E+00	2.63E-01	2.63E-01	2.29E-01	0.00E+00
ADULT	TOTALS	8.71E+00	1.02E+02	3.07E+01	9.12E+00	7.30E+00	2.09E-01

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.82E+01	8.12E+01	1.28E+02	1.65E+01	1.29E+01	9.53E+01
INFANT	GROUND	7.69E+00	7.69E+00	7.69E+00	7.69E+00	7.69E+00	7.69E+00
INFANT	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.60E+00	1.23E+01	7.29E+00	7.29E+00	6.73E+00	0.00E+00
INFANT	TOTALS	3.96E+01	1.01E+02	1.43E+02	3.16E+01	2.74E+01	1.03E+02
CHILD	INHAL.	1.62E+01	6.85E+01	5.71E+01	6.66E+00	4.39E+00	9.53E+01
CHILD	GROUND	7.69E+00	7.69E+00	7.69E+00	7.69E+00	7.69E+00	7.69E+00
CHILD	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
CHILD	VEG. ING	2.15E+00	1.10E+01	9.27E+00	9.27E+00	6.92E+00	0.00E+00
CHILD	MEAT ING	2.54E-01	1.26E+00	1.23E+00	1.23E+00	9.08E-01	0.00E+00
CHILD	MILK ING	4.81E-01	3.24E+00	1.65E+00	1.65E+00	1.26E+00	0.00E+00
CHILD	TOTALS	2.69E+01	9.18E+01	7.71E+01	2.66E+01	2.13E+01	1.03E+02
TEENAGE	INHAL.	1.27E+01	7.61E+01	2.93E+01	2.91E+00	2.19E+00	9.53E+01
TEENAGE	GROUND	7.69E+00	7.69E+00	7.69E+00	7.69E+00	7.69E+00	7.69E+00
TEENAGE	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
TEENAGE	VEG. ING	3.54E+00	5.86E+01	8.22E+00	8.22E+00	7.02E+00	0.00E+00
TEENAGE	MEAT ING	4.01E-01	6.48E+00	1.08E+00	1.08E+00	9.03E-01	0.00E+00
TEENAGE	MILK ING	6.95E-01	1.44E+01	1.06E+00	1.06E+00	9.65E-01	0.00E+00
TEENAGE	TOTALS	2.52E+01	1.63E+02	4.75E+01	2.11E+01	1.89E+01	1.03E+02
ADULT	INHAL.	1.18E+01	7.15E+01	2.39E+01	2.40E+00	1.67E+00	9.53E+01
ADULT	GROUND	7.69E+00	7.69E+00	7.69E+00	7.69E+00	7.69E+00	7.69E+00
ADULT	CLOUD	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01
ADULT	VEG. ING	2.00E+00	2.46E+01	5.36E+00	5.36E+00	4.47E+00	0.00E+00
ADULT	MEAT ING	2.94E-01	3.60E+00	8.91E-01	8.91E-01	7.31E-01	0.00E+00
ADULT	MILK ING	1.35E-01	2.04E+00	2.63E-01	2.63E-01	2.29E-01	0.00E+00
ADULT	TOTALS	2.20E+01	1.10E+02	3.83E+01	1.67E+01	1.49E+01	1.03E+02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 344  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 7, 545,955,545,955. DURATION IN YRS IS... 3.0  
 NUMBER 9 NAME-Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.73E+01	9.76E+01	1.56E+02	1.98E+01	1.55E+01	0.00E+00
INFANT	GROUND	6.04E-01	6.04E-01	6.04E-01	6.04E-01	6.04E-01	6.04E-01
INFANT	CLOUD	3.62E-07	3.62E-07	3.62E-07	3.62E-07	3.62E-07	3.62E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.30E+00	1.78E+01	1.09E+01	1.09E+01	1.02E+01	0.00E+00
INFANT	TOTALS	3.32E+01	1.16E+02	1.68E+02	3.13E+01	2.63E+01	6.04E-01
CHILD	INHAL.	1.27E+01	8.24E+01	6.96E+01	8.00E+00	5.27E+00	0.00E+00
CHILD	GROUND	6.04E-01	6.04E-01	6.04E-01	6.04E-01	6.04E-01	6.04E-01
CHILD	CLOUD	3.62E-07	3.62E-07	3.62E-07	3.62E-07	3.62E-07	3.62E-07
CHILD	VEG. ING	3.15E+00	1.63E+01	1.33E+01	1.33E+01	1.01E+01	0.00E+00
CHILD	MEAT ING	3.80E-01	1.88E+00	1.85E+00	1.85E+00	1.37E+00	0.00E+00
CHILD	MILK ING	7.10E-01	4.72E+00	2.48E+00	2.48E+00	1.91E+00	0.00E+00
CHILD	TOTALS	1.76E+01	1.06E+02	8.79E+01	2.63E+01	1.93E+01	6.04E-01
TEENAGE	INHAL.	8.48E+00	9.15E+01	3.57E+01	3.49E+00	2.64E+00	0.00E+00
TEENAGE	GROUND	6.04E-01	6.04E-01	6.04E-01	6.04E-01	6.04E-01	6.04E-01
TEENAGE	CLOUD	3.62E-07	3.62E-07	3.62E-07	3.62E-07	3.62E-07	3.62E-07
TEENAGE	VEG. ING	5.21E+00	8.77E+01	1.18E+01	1.18E+01	1.02E+01	0.00E+00
TEENAGE	MEAT ING	5.96E-01	9.61E+00	1.62E+00	1.62E+00	1.36E+00	0.00E+00
TEENAGE	MILK ING	1.01E+00	2.08E+01	1.59E+00	1.59E+00	1.45E+00	0.00E+00
TEENAGE	TOTALS	1.59E+01	2.10E+02	5.13E+01	1.91E+01	1.63E+01	6.04E-01
ADULT	INHAL.	7.34E+00	8.59E+01	2.92E+01	2.88E+00	2.01E+00	0.00E+00
ADULT	GROUND	6.04E-01	6.04E-01	6.04E-01	6.04E-01	6.04E-01	6.04E-01
ADULT	CLOUD	3.62E-07	3.62E-07	3.62E-07	3.62E-07	3.62E-07	3.62E-07
ADULT	VEG. ING	2.93E+00	3.64E+01	7.68E+00	7.68E+00	6.49E+00	0.00E+00
ADULT	MEAT ING	4.38E-01	5.36E+00	1.34E+00	1.34E+00	1.10E+00	0.00E+00
ADULT	MILK ING	1.99E-01	2.96E+00	3.95E-01	3.95E-01	3.46E-01	0.00E+00
ADULT	TOTALS	1.15E+01	1.31E+02	3.92E+01	1.29E+01	1.05E+01	6.04E-01

REGION: Sweetwater Uranium Facility CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 7, 545,955,545,955,

PAGE 345  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 9 NAME=Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.48E+01	9.76E+01	1.56E+02	1.99E+01	1.55E+01	1.25E+02
INFANT	GROUND	1.97E+01	1.97E+01	1.97E+01	1.97E+01	1.97E+01	1.97E+01
INFANT	CLOUD	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.30E+00	1.78E+01	1.09E+01	1.09E+01	1.02E+01	0.00E+00
INFANT	TOTALS	6.00E+01	1.35E+02	1.87E+02	5.07E+01	4.56E+01	1.45E+02
CHILD	INHAL.	2.02E+01	8.24E+01	6.96E+01	8.01E+00	5.27E+00	1.25E+02
CHILD	GROUND	1.97E+01	1.97E+01	1.97E+01	1.97E+01	1.97E+01	1.97E+01
CHILD	CLOUD	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01
CHILD	VEG. ING	3.15E+00	1.63E+01	1.33E+01	1.33E+01	1.01E+01	0.00E+00
CHILD	MEAT ING	3.80E-01	1.88E+00	1.85E+00	1.85E+00	1.37E+00	0.00E+00
CHILD	MILK ING	7.10E-01	4.72E+00	2.48E+00	2.48E+00	1.91E+00	0.00E+00
CHILD	TOTALS	4.44E+01	1.25E+02	1.07E+02	4.56E+01	3.86E+01	1.45E+02
TEENAGE	INHAL.	1.60E+01	9.15E+01	3.57E+01	3.49E+00	2.64E+00	1.25E+02
TEENAGE	GROUND	1.97E+01	1.97E+01	1.97E+01	1.97E+01	1.97E+01	1.97E+01
TEENAGE	CLOUD	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01
TEENAGE	VEG. ING	5.21E+00	8.77E+01	1.18E+01	1.18E+01	1.02E+01	0.00E+00
TEENAGE	MEAT ING	5.96E-01	9.61E+00	1.62E+00	1.62E+00	1.36E+00	0.00E+00
TEENAGE	MILK ING	1.01E+00	2.08E+01	1.59E+00	1.59E+00	1.46E+00	0.00E+00
TEENAGE	TOTALS	4.27E+01	2.30E+02	7.06E+01	3.84E+01	3.56E+01	1.45E+02
ADULT	INHAL.	1.49E+01	8.59E+01	2.92E+01	2.88E+00	2.01E+00	1.25E+02
ADULT	GROUND	1.97E+01	1.97E+01	1.97E+01	1.97E+01	1.97E+01	1.97E+01
ADULT	CLOUD	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01	1.79E-01
ADULT	VEG. ING	2.93E+00	3.64E+01	7.68E+00	7.68E+00	6.49E+00	0.00E+00
ADULT	MEAT ING	4.38E-01	5.36E+00	1.34E+00	1.34E+00	1.10E+00	0.00E+00
ADULT	MILK ING	1.99E-01	2.96E+00	3.95E-01	3.95E-01	3.46E-01	0.00E+00
ADULT	TOTALS	3.83E+01	1.51E+02	5.85E+01	3.22E+01	2.98E+01	1.45E+02

NUMBER 10 NAME=Ballroil X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.28E-02	2.27E-01	3.58E-01	4.62E-02	3.60E-02	0.00E+00
INFANT	GROUND	3.78E-04	3.78E-04	3.78E-04	3.78E-04	3.78E-04	3.78E-04
INFANT	CLOUD	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	9.48E-03	3.25E-02	1.91E-02	1.91E-02	1.76E-02	0.00E+00
INFANT	TOTALS	7.26E-02	2.60E-01	3.77E-01	6.57E-02	5.39E-02	3.78E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.92E-02	1.92E-01	1.59E-01	1.86E-02	1.23E-02	0.00E+00
CHILD	GROUND	3.78E-04	3.78E-04	3.78E-04	3.78E-04	3.78E-04	3.78E-04
CHILD	CLOUD	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10
CHILD	VEG. ING	5.66E-03	2.88E-02	2.46E-02	2.46E-02	1.83E-02	0.00E+00
CHILD	MEAT ING	6.68E-04	3.32E-03	3.23E-03	3.23E-03	2.38E-03	0.00E+00
CHILD	MILK ING	1.27E-03	8.58E-03	4.34E-03	4.34E-03	3.31E-03	0.00E+00
CHILD	TOTALS	3.72E-02	2.33E-01	1.92E-01	5.12E-02	3.66E-02	3.78E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.96E-02	2.13E-01	8.16E-02	8.12E-03	6.13E-03	0.00E+00
TEENAGE	GROUND	3.78E-04	3.78E-04	3.78E-04	3.78E-04	3.78E-04	3.78E-04
TEENAGE	CLOUD	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10
TEENAGE	VEG. ING	9.32E-03	1.54E-01	2.19E-02	2.19E-02	1.86E-02	0.00E+00
TEENAGE	MEAT ING	1.05E-03	1.71E-02	2.82E-03	2.82E-03	2.36E-03	0.00E+00
TEENAGE	MILK ING	1.84E-03	3.82E-02	2.78E-03	2.78E-03	2.53E-03	0.00E+00
TEENAGE	TOTALS	3.21E-02	4.22E-01	1.09E-01	3.60E-02	3.00E-02	3.78E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.69E-02	2.00E-01	6.67E-02	6.70E-03	4.67E-03	0.00E+00
ADULT	GROUND	3.78E-04	3.78E-04	3.78E-04	3.78E-04	3.78E-04	3.78E-04
ADULT	CLOUD	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10
ADULT	VEG. ING	5.29E-03	6.48E-02	1.43E-02	1.43E-02	1.18E-02	0.00E+00
ADULT	MEAT ING	7.72E-04	9.46E-03	2.33E-03	2.33E-03	1.91E-03	0.00E+00
ADULT	MILK ING	3.58E-04	5.39E-03	6.91E-04	6.91E-04	6.00E-04	0.00E+00
ADULT	TOTALS	2.37E-02	2.80E-01	8.44E-02	2.44E-02	1.94E-02	3.78E-04

REGION: Sweetwater Uranium Facility CODE: MILDOS-AREA (03/89) PAGE 347  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 7, 545,955,545,955, DURATION IN YRS IS... 3.0  
 NUMBER 10 NAME-Bailroil X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.57E-01	2.46E-01	3.60E-01	1.45E-01	7.42E-02	1.47E+00
INFANT	GROUND	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02
INFANT	CLOUD	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.32E-02	3.99E-02	3.28E-02	3.28E-02	2.97E-02	0.00E+00
INFANT	TOTALS	1.98E-01	3.14E-01	4.20E-01	2.05E-01	1.32E-01	1.49E+00
CHILD	INHAL.	1.20E-01	2.06E-01	1.60E-01	6.23E-02	3.03E-02	1.47E+00
CHILD	GROUND	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02
CHILD	CLOUD	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02
CHILD	VEG. ING	9.24E-03	4.51E-02	4.37E-02	4.37E-02	3.23E-02	0.00E+00
CHILD	MEAT ING	1.14E-03	5.46E-03	5.75E-03	5.75E-03	4.23E-03	0.00E+00
CHILD	MILK ING	1.87E-03	1.13E-02	7.55E-03	7.55E-03	5.66E-03	0.00E+00
CHILD	TOTALS	1.60E-01	2.96E-01	2.45E-01	1.47E-01	1.00E-01	1.49E+00
TEENAGE	INHAL.	1.11E-01	2.48E-01	8.20E-02	2.68E-02	1.51E-02	1.47E+00
TEENAGE	GROUND	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02
TEENAGE	CLOUD	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02
TEENAGE	VEG. ING	1.47E-02	2.32E-01	3.88E-02	3.88E-02	3.26E-02	0.00E+00
TEENAGE	MEAT ING	1.75E-03	2.72E-02	5.03E-03	5.03E-03	4.19E-03	0.00E+00
TEENAGE	MILK ING	2.48E-03	4.76E-02	4.83E-03	4.83E-03	4.22E-03	0.00E+00
TEENAGE	TOTALS	1.57E-01	5.83E-01	1.59E-01	1.03E-01	8.40E-02	1.49E+00
ADULT	INHAL.	1.08E-01	2.21E-01	6.70E-02	2.23E-02	1.22E-02	1.47E+00
ADULT	GROUND	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02
ADULT	CLOUD	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02	1.23E-02
ADULT	VEG. ING	8.52E-03	1.02E-01	2.53E-02	2.53E-02	2.09E-02	0.00E+00
ADULT	MEAT ING	1.30E-03	1.56E-02	4.15E-03	4.15E-03	3.40E-03	0.00E+00
ADULT	MILK ING	5.07E-04	7.11E-03	1.20E-03	1.20E-03	1.02E-03	0.00E+00
ADULT	TOTALS	1.46E-01	3.73E-01	1.26E-01	8.09E-02	6.53E-02	1.49E+00

NUMBER 11 NAME=Jeffrey City X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.44E-02	1.97E-01	3.10E-01	4.00E-02	3.12E-02	0.00E+00
INFANT	GROUND	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.46E-04
INFANT	CLOUD	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.26E-03	2.83E-02	1.67E-02	1.67E-02	1.53E-02	0.00E+00
INFANT	TOTALS	6.30E-02	2.25E-01	3.27E-01	5.70E-02	4.68E-02	3.46E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.53E-02	1.66E-01	1.38E-01	1.61E-02	1.06E-02	0.00E+00
CHILD	GROUND	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.46E-04
CHILD	CLOUD	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10
CHILD	VEG. ING	4.93E-03	2.51E-02	2.14E-02	2.14E-02	1.59E-02	0.00E+00
CHILD	MEAT ING	5.82E-04	2.90E-03	2.82E-03	2.82E-03	2.07E-03	0.00E+00
CHILD	MILK ING	1.11E-03	7.47E-03	3.78E-03	3.78E-03	2.88E-03	0.00E+00
CHILD	TOTALS	3.23E-02	2.02E-01	1.66E-01	4.45E-02	3.18E-02	3.46E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.69E-02	1.84E-01	7.07E-02	7.03E-03	5.31E-03	0.00E+00
TEENAGE	GROUND	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.46E-04
TEENAGE	CLOUD	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10
TEENAGE	VEG. ING	8.13E-03	1.34E-01	1.90E-02	1.90E-02	1.62E-02	0.00E+00
TEENAGE	MEAT ING	9.18E-04	1.49E-02	2.46E-03	2.46E-03	2.06E-03	0.00E+00
TEENAGE	MILK ING	1.60E-03	3.33E-02	2.43E-03	2.43E-03	2.20E-03	0.00E+00
TEENAGE	TOTALS	2.79E-02	3.67E-01	9.50E-02	3.13E-02	2.61E-02	3.46E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.47E-02	1.73E-01	5.78E-02	5.80E-03	4.04E-03	0.00E+00
ADULT	GROUND	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.46E-04	3.46E-04
ADULT	CLOUD	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10
ADULT	VEG. ING	4.61E-03	5.65E-02	1.24E-02	1.24E-02	1.03E-02	0.00E+00
ADULT	MEAT ING	6.73E-04	8.25E-03	2.03E-03	2.03E-03	1.67E-03	0.00E+00
ADULT	MILK ING	3.12E-04	4.70E-03	6.02E-04	6.02E-04	5.23E-04	0.00E+00
ADULT	TOTALS	2.06E-02	2.43E-01	7.32E-02	2.12E-02	1.69E-02	3.46E-04

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 349  
 METSET: Sweetwater WY      DATA: 40cir.in      02/25/94  
 TIME STEP NUMBER 7, 545,955,545,955,      DURATION IN YRS IS... 3.0  
 NUMBER 11 NAME=Jeffrey City      X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.21E-02	2.08E-01	3.11E-01	9.97E-02	5.44E-02	5.66E-01
INFANT	GROUND	1.40E-02	1.40E-02	1.40E-02	1.40E-02	1.40E-02	1.40E-02
INFANT	CLOUD	4.90E-03	4.90E-03	4.90E-03	4.90E-03	4.90E-03	4.90E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.05E-02	3.27E-02	2.49E-02	2.49E-02	2.26E-02	0.00E+00
INFANT	TOTALS	1.21E-01	2.60E-01	3.55E-01	1.43E-01	9.58E-02	5.85E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.12E-02	1.75E-01	1.39E-01	4.27E-02	2.15E-02	5.66E-01
CHILD	GROUND	1.40E-02	1.40E-02	1.40E-02	1.40E-02	1.40E-02	1.40E-02
CHILD	CLOUD	4.90E-03	4.90E-03	4.90E-03	4.90E-03	4.90E-03	4.90E-03
CHILD	VEG. ING	7.08E-03	3.49E-02	3.29E-02	3.29E-02	2.44E-02	0.00E+00
CHILD	MEAT ING	8.64E-04	4.17E-03	4.32E-03	4.32E-03	3.18E-03	0.00E+00
CHILD	MILK ING	1.46E-03	9.10E-03	5.70E-03	5.70E-03	4.29E-03	0.00E+00
CHILD	TOTALS	8.95E-02	2.42E-01	2.00E-01	1.04E-01	7.23E-02	5.85E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.28E-02	2.06E-01	7.09E-02	1.84E-02	1.08E-02	5.66E-01
TEENAGE	GROUND	1.40E-02	1.40E-02	1.40E-02	1.40E-02	1.40E-02	1.40E-02
TEENAGE	CLOUD	4.90E-03	4.90E-03	4.90E-03	4.90E-03	4.90E-03	4.90E-03
TEENAGE	VEG. ING	1.13E-02	1.81E-01	2.92E-02	2.92E-02	2.46E-02	0.00E+00
TEENAGE	MEAT ING	1.33E-03	2.09E-02	3.78E-03	3.78E-03	3.15E-03	0.00E+00
TEENAGE	MILK ING	1.99E-03	3.89E-02	3.65E-03	3.65E-03	3.21E-03	0.00E+00
TEENAGE	TOTALS	8.63E-02	4.66E-01	1.26E-01	7.39E-02	6.06E-02	5.85E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.02E-02	1.86E-01	5.80E-02	1.53E-02	8.60E-03	5.66E-01
ADULT	GROUND	1.40E-02	1.40E-02	1.40E-02	1.40E-02	1.40E-02	1.40E-02
ADULT	CLOUD	4.90E-03	4.90E-03	4.90E-03	4.90E-03	4.90E-03	4.90E-03
ADULT	VEG. ING	6.55E-03	7.89E-02	1.91E-02	1.91E-02	1.57E-02	0.00E+00
ADULT	MEAT ING	9.90E-04	1.19E-02	3.12E-03	3.12E-03	2.56E-03	0.00E+00
ADULT	MILK ING	4.01E-04	5.72E-03	9.08E-04	9.08E-04	7.72E-04	0.00E+00
ADULT	TOTALS	7.70E-02	3.01E-01	1.00E-01	5.73E-02	4.65E-02	5.85E-01



NUMBER 12 NAME=Rawlins X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3RM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.13E-02	4.10E-02	6.46E-02	8.33E-03	6.50E-03	0.00E+00
INFANT	GROUND	7.12E-05	7.12E-05	7.12E-05	7.12E-05	7.12E-05	7.12E-05
INFANT	CLOUD	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.72E-03	5.89E-03	3.47E-03	3.47E-03	3.19E-03	0.00E+00
INFANT	TOTALS	1.31E-02	4.70E-02	6.82E-02	1.19E-02	9.76E-03	7.12E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.28E-03	3.46E-02	2.88E-02	3.36E-03	2.21E-03	0.00E+00
CHILD	GROUND	7.12E-05	7.12E-05	7.12E-05	7.12E-05	7.12E-05	7.12E-05
CHILD	CLOUD	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10
CHILD	VEG. ING	1.03E-03	5.23E-03	4.46E-03	4.46E-03	3.32E-03	0.00E+00
CHILD	MEAT ING	1.21E-04	6.03E-04	5.86E-04	5.86E-04	4.32E-04	0.00E+00
CHILD	MILK ING	2.30E-04	1.56E-03	7.87E-04	7.87E-04	6.00E-04	0.00E+00
CHILD	TOTALS	6.73E-03	4.21E-02	3.47E-02	9.27E-03	6.63E-03	7.12E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.53E-03	3.84E-02	1.47E-02	1.47E-03	1.11E-03	0.00E+00
TEENAGE	GROUND	7.12E-05	7.12E-05	7.12E-05	7.12E-05	7.12E-05	7.12E-05
TEENAGE	CLOUD	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10
TEENAGE	VEG. ING	1.69E-03	2.79E-02	3.96E-03	3.96E-03	3.37E-03	0.00E+00
TEENAGE	MEAT ING	1.91E-04	3.09E-03	5.13E-04	5.13E-04	4.29E-04	0.00E+00
TEENAGE	MILK ING	3.33E-04	6.92E-03	5.05E-04	5.05E-04	4.58E-04	0.00E+00
TEENAGE	TOTALS	5.82E-03	7.64E-02	1.98E-02	6.52E-03	5.43E-03	7.12E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.06E-03	3.61E-02	1.20E-02	1.21E-03	8.43E-04	0.00E+00
ADULT	GROUND	7.12E-05	7.12E-05	7.12E-05	7.12E-05	7.12E-05	7.12E-05
ADULT	CLOUD	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10
ADULT	VEG. ING	9.60E-04	1.18E-02	2.58E-03	2.58E-03	2.15E-03	0.00E+00
ADULT	MEAT ING	1.40E-04	1.72E-03	4.23E-04	4.23E-04	3.47E-04	0.00E+00
ADULT	MILK ING	6.49E-05	9.78E-04	1.25E-04	1.25E-04	1.09E-04	0.00E+00
ADULT	TOTALS	4.29E-03	5.06E-02	1.53E-02	4.41E-03	3.52E-03	7.12E-05

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 351  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 7,      545,955,545,955,      DURATION IN YRS IS... 3.0  
 NUMBER 12 NAME=Rawlins      X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.71E-02	4.61E-02	6.52E-02	3.50E-02	1.69E-02	2.36E-01
INFANT	GROUND	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03
INFANT	CLOUD	2.03E-03	2.03E-03	2.03E-03	2.03E-03	2.03E-03	2.03E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.73E-03	7.89E-03	7.18E-03	7.18E-03	6.46E-03	0.00E+00
INFANT	TOTALS	3.48E-02	5.90E-02	7.73E-02	4.72E-02	2.83E-02	2.41E-01
CHILD	INHAL.	2.03E-02	3.85E-02	2.90E-02	1.52E-02	7.10E-03	2.36E-01
CHILD	GROUND	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03
CHILD	CLOUD	2.03E-03	2.03E-03	2.03E-03	2.03E-03	2.03E-03	2.03E-03
CHILD	VEG. ING	2.00E-03	9.62E-03	9.64E-03	9.64E-03	7.12E-03	0.00E+00
CHILD	MEAT ING	2.49E-04	1.18E-03	1.27E-03	1.27E-03	9.32E-04	0.00E+00
CHILD	MILK ING	3.93E-04	2.29E-03	1.65E-03	1.65E-03	1.24E-03	0.00E+00
CHILD	TOTALS	2.78E-02	5.65E-02	4.65E-02	3.27E-02	2.13E-02	2.41E-01
TEENAGE	INHAL.	1.85E-02	4.80E-02	1.49E-02	6.55E-03	3.55E-03	2.36E-01
TEENAGE	GROUND	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03
TEENAGE	CLOUD	2.03E-03	2.03E-03	2.03E-03	2.03E-03	2.03E-03	2.03E-03
TEENAGE	VEG. ING	3.14E-03	4.91E-02	8.56E-03	8.56E-03	7.17E-03	0.00E+00
TEENAGE	MEAT ING	3.78E-04	5.85E-03	1.11E-03	1.11E-03	9.21E-04	0.00E+00
TEENAGE	MILK ING	5.07E-04	9.48E-03	1.06E-03	1.06E-03	9.15E-04	0.00E+00
TEENAGE	TOTALS	2.75E-02	1.17E-01	3.05E-02	2.22E-02	1.75E-02	2.41E-01
ADULT	INHAL.	1.79E-02	4.17E-02	1.21E-02	5.45E-03	2.88E-03	2.36E-01
ADULT	GROUND	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03
ADULT	CLOUD	2.03E-03	2.03E-03	2.03E-03	2.03E-03	2.03E-03	2.03E-03
ADULT	VEG. ING	1.83E-03	2.19E-02	5.59E-03	5.59E-03	4.59E-03	0.00E+00
ADULT	MEAT ING	2.83E-04	3.37E-03	9.15E-04	9.15E-04	7.48E-04	0.00E+00
ADULT	MILK ING	1.05E-04	1.44E-03	2.63E-04	2.63E-04	2.21E-04	0.00E+00
ADULT	TOTALS	2.51E-02	7.34E-02	2.39E-02	1.72E-02	1.34E-02	2.41E-01

NUMBER 13 NAME=Special Receptor #1 X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	8.37E+01	3.03E+02	4.77E+02	6.17E+01	4.81E+01	0.00E+00
INFANT	GROUND	3.08E-01	3.08E-01	3.08E-01	3.08E-01	3.08E-01	3.08E-01
INFANT	CLOUD	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.21E+01	4.17E+01	2.44E+01	2.44E+01	2.23E+01	0.00E+00
INFANT	TOTALS	9.62E+01	3.45E+02	5.02E+02	8.64E+01	7.07E+01	3.08E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.90E+01	2.56E+02	2.12E+02	2.49E+01	1.64E+01	0.00E+00
CHILD	GROUND	3.08E-01	3.08E-01	3.08E-01	3.08E-01	3.08E-01	3.08E-01
CHILD	CLOUD	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06
CHILD	VEG. ING	7.25E+00	3.68E+01	3.17E+01	3.17E+01	2.34E+01	0.00E+00
CHILD	MEAT ING	8.51E-01	4.24E+00	4.11E+00	4.11E+00	3.02E+00	0.00E+00
CHILD	MILK ING	1.62E+00	1.10E+01	5.52E+00	5.52E+00	4.20E+00	0.00E+00
CHILD	TOTALS	4.90E+01	3.08E+02	2.54E+02	6.65E+01	4.73E+01	3.08E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.61E+01	2.84E+02	1.09E+02	1.08E+01	8.19E+00	0.00E+00
TEENAGE	GROUND	3.08E-01	3.08E-01	3.08E-01	3.08E-01	3.08E-01	3.08E-01
TEENAGE	CLOUD	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06
TEENAGE	VEG. ING	1.19E+01	1.96E+02	2.82E+01	2.82E+01	2.38E+01	0.00E+00
TEENAGE	MEAT ING	1.34E+00	2.18E+01	3.59E+00	3.59E+00	3.01E+00	0.00E+00
TEENAGE	MILK ING	2.36E+00	4.91E+01	3.55E+00	3.55E+00	3.21E+00	0.00E+00
TEENAGE	TOTALS	4.20E+01	5.51E+02	1.44E+02	4.65E+01	3.85E+01	3.08E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.26E+01	2.67E+02	8.89E+01	8.96E+00	6.24E+00	0.00E+00
ADULT	GROUND	3.08E-01	3.08E-01	3.08E-01	3.08E-01	3.08E-01	3.08E-01
ADULT	CLOUD	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06	1.10E-06
ADULT	VEG. ING	6.78E+00	8.29E+01	1.84E+01	1.84E+01	1.52E+01	0.00E+00
ADULT	MEAT ING	9.85E-01	1.21E+01	2.97E+00	2.97E+00	2.43E+00	0.00E+00
ADULT	MILK ING	4.58E-01	6.92E+00	8.79E-01	8.79E-01	7.62E-01	0.00E+00
ADULT	TOTALS	3.11E+01	3.69E+02	1.11E+02	3.15E+01	2.49E+01	3.08E-01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 353  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 7,      545,955,545,955,      DURATION IN YRS IS... 3.0  
 NUMBER 13      NAME=Special Receptor #1      X= 1.4KM, Y= 1.0KM, Z= 0.8M. DIST= 1.7KM. IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.03E+02	3.03E+02	4.77E+02	6.17E+01	4.81E+01	3.25E+02
INFANT	GROUND	1.47E+01	1.47E+01	1.47E+01	1.47E+01	1.47E+01	1.47E+01
INFANT	CLOUD	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.21E+01	4.17E+01	2.44E+01	2.44E+01	2.23E+01	0.00E+00
INFANT	TOTALS	1.30E+02	3.60E+02	5.16E+02	1.01E+02	8.52E+01	3.40E+02
CHILD	INHAL.	5.85E+01	2.56E+02	2.12E+02	2.49E+01	1.64E+01	3.25E+02
CHILD	GROUND	1.47E+01	1.47E+01	1.47E+01	1.47E+01	1.47E+01	1.47E+01
CHILD	CLOUD	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01
CHILD	VEG. ING	7.25E+00	3.68E+01	3.17E+01	3.17E+01	2.34E+01	0.00E+00
CHILD	MEAT ING	8.51E-01	4.24E+00	4.11E+00	4.11E+00	3.02E+00	0.00E+00
CHILD	MILK ING	1.62E+00	1.10E+01	5.52E+00	5.52E+00	4.20E+00	0.00E+00
CHILD	TOTALS	8.30E+01	3.23E+02	2.68E+02	8.10E+01	6.18E+01	3.40E+02
TEENAGE	INHAL.	4.56E+01	2.84E+02	1.09E+02	1.09E+01	8.19E+00	3.25E+02
TEENAGE	GROUND	1.47E+01	1.47E+01	1.47E+01	1.47E+01	1.47E+01	1.47E+01
TEENAGE	CLOUD	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01
TEENAGE	VEG. ING	1.19E+01	1.96E+02	2.82E+01	2.82E+01	2.38E+01	0.00E+00
TEENAGE	MEAT ING	1.34E+00	2.18E+01	3.59E+00	3.59E+00	3.01E+00	0.00E+00
TEENAGE	MILK ING	2.36E+00	4.91E+01	3.55E+00	3.55E+00	3.21E+00	0.00E+00
TEENAGE	TOTALS	7.60E+01	5.66E+02	1.59E+02	6.10E+01	5.30E+01	3.40E+02
ADULT	INHAL.	4.21E+01	2.67E+02	8.89E+01	8.96E+00	6.24E+00	3.25E+02
ADULT	GROUND	1.47E+01	1.47E+01	1.47E+01	1.47E+01	1.47E+01	1.47E+01
ADULT	CLOUD	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01
ADULT	VEG. ING	6.78E+00	8.29E+01	1.84E+01	1.84E+01	1.52E+01	0.00E+00
ADULT	MEAT ING	9.85E-01	1.21E+01	2.97E+00	2.97E+00	2.43E+00	0.00E+00
ADULT	MILK ING	4.58E-01	6.92E+00	8.79E-01	8.79E-01	7.62E-01	0.00E+00
ADULT	TOTALS	6.51E+01	3.84E+02	1.26E+02	4.60E+01	3.94E+01	3.40E+02

NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.83E+01	6.64E+01	1.04E+02	1.35E+01	1.05E+01	0.00E+00
INFANT	GROUND	8.32E-02	8.32E-02	8.32E-02	8.32E-02	8.32E-02	8.32E-02
INFANT	CLOUD	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.70E+00	9.26E+00	5.42E+00	5.42E+00	4.97E+00	0.00E+00
INFANT	TOTALS	2.11E+01	7.57E+01	1.10E+02	1.90E+01	1.56E+01	8.32E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.54E+00	5.60E+01	4.65E+01	5.44E+00	3.58E+00	0.00E+00
CHILD	GROUND	8.32E-02	8.32E-02	8.32E-02	8.32E-02	8.32E-02	8.32E-02
CHILD	CLOUD	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07
CHILD	VEG. ING	1.61E+00	8.18E+00	7.03E+00	7.03E+00	5.21E+00	0.00E+00
CHILD	MEAT ING	1.90E-01	9.43E-01	9.15E-01	9.15E-01	6.74E-01	0.00E+00
CHILD	MILK ING	3.61E-01	2.44E+00	1.23E+00	1.23E+00	9.36E-01	0.00E+00
CHILD	TOTALS	1.08E+01	6.77E+01	5.58E+01	1.47E+01	1.05E+01	8.32E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.71E+00	6.22E+01	2.38E+01	2.37E+00	1.79E+00	0.00E+00
TEENAGE	GROUND	8.32E-02	8.32E-02	8.32E-02	8.32E-02	8.32E-02	8.32E-02
TEENAGE	CLOUD	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07
TEENAGE	VEG. ING	2.65E+00	4.36E+01	6.25E+00	6.25E+00	5.29E+00	0.00E+00
TEENAGE	MEAT ING	2.99E-01	4.84E+00	8.01E-01	8.01E-01	6.70E-01	0.00E+00
TEENAGE	MILK ING	5.24E-01	1.09E+01	7.90E-01	7.90E-01	7.15E-01	0.00E+00
TEENAGE	TOTALS	9.27E+00	1.22E+02	3.17E+01	1.03E+01	8.55E+00	8.32E-02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.95E+00	5.84E+01	1.95E+01	1.96E+00	1.37E+00	0.00E+00
ADULT	GROUND	8.32E-02	8.32E-02	8.32E-02	8.32E-02	8.32E-02	8.32E-02
ADULT	CLOUD	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07
ADULT	VEG. ING	1.51E+00	1.84E+01	4.07E+00	4.07E+00	3.37E+00	0.00E+00
ADULT	MEAT ING	2.19E-01	2.69E+00	6.61E-01	6.61E-01	5.43E-01	0.00E+00
ADULT	MILK ING	1.02E-01	1.54E+00	1.96E-01	1.96E-01	1.70E-01	0.00E+00
ADULT	TOTALS	6.86E+00	8.12E+01	2.45E+01	6.97E+00	5.53E+00	8.32E-02

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.39E+01	6.64E+01	1.04E+02	1.35E+01	1.05E+01	9.30E+01
INFANT	GROUND	3.69E+00	3.69E+00	3.69E+00	3.69E+00	3.69E+00	3.69E+00
INFANT	CLOUD	1.83E-01	1.83E-01	1.83E-01	1.83E-01	1.83E-01	1.83E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.70E+00	9.26E+00	5.43E+00	5.43E+00	4.98E+00	0.00E+00
INFANT	TOTALS	3.05E+01	7.95E+01	1.14E+02	2.28E+01	1.94E+01	9.69E+01
CHILD	INHAL.	1.41E+01	5.60E+01	4.65E+01	5.46E+00	3.59E+00	9.30E+01
CHILD	GROUND	3.69E+00	3.69E+00	3.69E+00	3.69E+00	3.69E+00	3.69E+00
CHILD	CLOUD	1.83E-01	1.83E-01	1.83E-01	1.83E-01	1.83E-01	1.83E-01
CHILD	VEG. ING	1.61E+00	8.19E+00	7.03E+00	7.03E+00	5.21E+00	0.00E+00
CHILD	MEAT ING	1.90E-01	9.44E-01	9.17E-01	9.17E-01	6.75E-01	0.00E+00
CHILD	MILK ING	3.61E-01	2.45E+00	1.23E+00	1.23E+00	9.37E-01	0.00E+00
CHILD	TOTALS	2.02E+01	7.15E+01	5.96E+01	1.85E+01	1.43E+01	9.69E+01
TEENAGE	INHAL.	1.13E+01	6.22E+01	2.38E+01	2.38E+00	1.80E+00	9.30E+01
TEENAGE	GROUND	3.69E+00	3.69E+00	3.69E+00	3.69E+00	3.69E+00	3.69E+00
TEENAGE	CLOUD	1.83E-01	1.83E-01	1.83E-01	1.83E-01	1.83E-01	1.83E-01
TEENAGE	VEG. ING	2.65E+00	4.36E+01	6.25E+00	6.25E+00	5.30E+00	0.00E+00
TEENAGE	MEAT ING	2.99E-01	4.85E+00	8.02E-01	8.02E-01	6.71E-01	0.00E+00
TEENAGE	MILK ING	5.24E-01	1.09E+01	7.91E-01	7.91E-01	7.16E-01	0.00E+00
TEENAGE	TOTALS	1.86E+01	1.25E+02	3.55E+01	1.41E+01	1.24E+01	9.69E+01
ADULT	INHAL.	1.05E+01	5.84E+01	1.95E+01	1.97E+00	1.37E+00	9.30E+01
ADULT	GROUND	3.69E+00	3.69E+00	3.69E+00	3.69E+00	3.69E+00	3.69E+00
ADULT	CLOUD	1.83E-01	1.83E-01	1.83E-01	1.83E-01	1.83E-01	1.83E-01
ADULT	VEG. ING	1.51E+00	1.84E+01	4.08E+00	4.08E+00	3.38E+00	0.00E+00
ADULT	MEAT ING	2.19E-01	2.69E+00	6.62E-01	6.62E-01	5.43E-01	0.00E+00
ADULT	MILK ING	1.02E-01	1.54E+00	1.96E-01	1.96E-01	1.70E-01	0.00E+00
ADULT	TOTALS	1.62E+01	8.50E+01	2.83E+01	1.08E+01	9.33E+00	9.69E+01

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.801E-05	4.093E-05	4.070E-05	4.070E-05	3.528E+01	3.268E+01	1.376E+01	5.442E+00	3.746E-06	1.237E-04
2.5	7.171E-06	1.627E-05	1.618E-05	1.618E-05	1.668E+01	1.597E+01	8.870E+00	4.941E+00	6.049E-06	7.985E-05
3.5	3.791E-06	8.325E-06	8.279E-06	8.279E-06	9.804E+00	9.576E+00	6.281E+00	4.283E+00	8.296E-06	5.768E-05
4.5	2.317E-06	4.949E-06	4.921E-06	4.921E-06	6.554E+00	6.471E+00	4.691E+00	3.583E+00	9.946E-06	4.381E-05
7.5	8.284E-07	1.760E-06	1.751E-06	1.751E-06	3.147E+00	3.140E+00	2.618E+00	2.267E+00	1.301E-05	2.496E-05
15.0	2.021E-07	4.284E-07	4.260E-07	4.260E-07	1.141E+00	1.142E+00	1.064E+00	9.864E-01	1.366E-05	1.025E-05
25.0	7.374E-08	1.561E-07	1.552E-07	1.552E-07	5.430E-01	5.434E-01	5.303E-01	5.120E-01	1.263E-05	5.158E-06
35.0	3.922E-08	8.304E-08	8.258E-08	8.258E-08	3.362E-01	3.364E-01	3.337E-01	3.282E-01	1.182E-05	3.262E-06
45.0	2.445E-08	5.177E-08	5.148E-08	5.148E-08	2.343E-01	2.345E-01	2.341E-01	2.324E-01	1.111E-05	2.295E-06
55.0	1.673E-08	3.544E-08	3.524E-08	3.524E-08	1.751E-01	1.753E-01	1.755E-01	1.750E-01	1.051E-05	1.723E-06
65.0	1.218E-08	2.580E-08	2.566E-08	2.566E-08	1.371E-01	1.371E-01	1.376E-01	1.376E-01	9.999E-06	1.352E-06
75.0	9.260E-09	1.964E-08	1.953E-08	1.953E-08	1.108E-01	1.109E-01	1.113E-01	1.115E-01	9.552E-06	1.094E-06

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.801E+04	4.093E+04	4.070E+04	4.070E+04	0.000E+00	4.073E+04	4.073E+04	4.073E+04	1.808E+01
2.5	7.171E+03	1.627E+04	1.618E+04	1.618E+04	0.000E+00	1.620E+04	1.620E+04	1.620E+04	2.950E+01
3.5	3.791E+03	8.325E+03	8.279E+03	8.279E+03	0.000E+00	8.286E+03	8.286E+03	8.286E+03	4.053E+01
4.5	2.317E+03	4.949E+03	4.921E+03	4.921E+03	0.000E+00	4.926E+03	4.926E+03	4.926E+03	4.861E+01
7.5	8.284E+02	1.760E+03	1.751E+03	1.751E+03	0.000E+00	1.753E+03	1.753E+03	1.753E+03	6.368E+01
15.0	2.021E+02	4.284E+02	4.260E+02	4.260E+02	0.000E+00	4.269E+02	4.269E+02	4.269E+02	6.776E+01
25.0	7.374E+01	1.561E+02	1.552E+02	1.552E+02	0.000E+00	1.557E+02	1.557E+02	1.557E+02	6.361E+01
35.0	3.922E+01	8.304E+01	8.258E+01	8.258E+01	0.000E+00	8.284E+01	8.284E+01	8.284E+01	6.017E+01
45.0	2.445E+01	5.177E+01	5.148E+01	5.148E+01	0.000E+00	5.167E+01	5.167E+01	5.167E+01	5.704E+01
55.0	1.673E+01	3.544E+01	3.524E+01	3.524E+01	0.000E+00	3.538E+01	3.538E+01	3.538E+01	5.429E+01
65.0	1.218E+01	2.580E+01	2.566E+01	2.566E+01	0.000E+00	2.577E+01	2.577E+01	2.577E+01	5.189E+01
75.0	9.260E+00	1.964E+01	1.953E+01	1.953E+01	0.000E+00	1.962E+01	1.962E+01	1.962E+01	4.976E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.801E-07	4.093E-07	4.070E-07	4.183E-07
2.5	7.171E-08	1.627E-07	1.618E-07	1.800E-07
3.5	3.791E-08	8.325E-08	8.279E-08	1.077E-07
4.5	2.317E-08	4.949E-08	4.921E-08	7.905E-08
7.5	8.284E-09	1.760E-08	1.751E-08	5.652E-08
15.0	2.021E-09	4.284E-09	4.260E-09	4.524E-08
25.0	7.374E-10	1.561E-09	1.552E-09	3.945E-08
35.0	3.922E-10	8.304E-10	8.258E-10	3.627E-08
45.0	2.445E-10	5.177E-10	5.148E-10	3.385E-08
55.0	1.673E-10	3.544E-10	3.524E-10	3.189E-08
65.0	1.218E-10	2.580E-10	2.566E-10	3.025E-08
75.0	9.260E-11	1.964E-10	1.953E-10	2.885E-08

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE ENE DIRECTION, THETA EQUALS 67.5 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.662E-05	6.835E-05	6.799E-05	6.799E-05	6.270E+01	3.434E+01	3.991E+00	4.797E-01	8.151E-08	5.739E-05
2.5	7.342E-06	2.997E-05	2.981E-05	2.981E-05	3.277E+01	2.803E+01	9.973E+00	3.744E+00	2.494E-06	9.340E-05
3.5	3.817E-06	1.275E-05	1.268E-05	1.268E-05	1.557E+01	1.453E+01	7.332E+00	4.097E+00	5.409E-06	6.742E-05
4.5	2.339E-06	6.931E-06	6.893E-06	6.893E-06	9.254E+00	8.929E+00	5.360E+00	3.610E+00	7.545E-06	4.984E-05
7.5	8.567E-07	2.152E-06	2.140E-06	2.140E-06	3.506E+00	3.483E+00	2.616E+00	2.124E+00	1.035E-05	2.477E-05
15.0	2.197E-07	4.940E-07	4.912E-07	4.912E-07	1.077E+00	1.078E+00	9.608E-01	8.564E-01	1.037E-05	9.176E-06
25.0	8.235E-08	1.801E-07	1.791E-07	1.791E-07	4.921E-01	4.924E-01	4.711E-01	4.448E-01	9.760E-06	4.554E-06
35.0	4.406E-08	9.607E-08	9.553E-08	9.553E-08	3.043E-01	3.044E-01	2.988E-01	2.900E-01	9.250E-06	2.910E-06
45.0	2.753E-08	5.996E-08	5.963E-08	5.963E-08	2.122E-01	2.123E-01	2.107E-01	2.074E-01	8.769E-06	2.061E-06
55.0	1.885E-08	4.106E-08	4.083E-08	4.083E-08	1.587E-01	1.588E-01	1.585E-01	1.572E-01	8.340E-06	1.553E-06
65.0	1.372E-08	2.991E-08	2.974E-08	2.974E-08	1.243E-01	1.244E-01	1.245E-01	1.240E-01	7.960E-06	1.222E-06
75.0	1.044E-08	2.277E-08	2.264E-08	2.264E-08	1.006E-01	1.006E-01	1.009E-01	1.008E-01	7.622E-06	9.911E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	1.662E+04	6.835E+04	6.799E+04	6.799E+04	0.000E+00	6.801E+04	6.801E+04	6.801E+04	6.117E-01	
2.5	7.342E+03	2.997E+04	2.981E+04	2.981E+04	0.000E+00	2.983E+04	2.983E+04	2.983E+04	1.238E+01	
3.5	3.817E+03	1.275E+04	1.268E+04	1.268E+04	0.000E+00	1.269E+04	1.269E+04	1.269E+04	2.645E+01	
4.5	2.339E+03	6.931E+03	6.893E+03	6.893E+03	0.000E+00	6.900E+03	6.900E+03	6.900E+03	3.677E+01	
7.5	8.567E+02	2.152E+03	2.140E+03	2.140E+03	0.000E+00	2.143E+03	2.143E+03	2.143E+03	5.056E+01	
15.0	2.197E+02	4.940E+02	4.912E+02	4.912E+02	0.000E+00	4.921E+02	4.921E+02	4.921E+02	5.244E+01	
25.0	8.235E+01	1.801E+02	1.791E+02	1.791E+02	0.000E+00	1.795E+02	1.795E+02	1.795E+02	4.917E+01	
35.0	4.406E+01	9.607E+01	9.553E+01	9.553E+01	0.000E+00	9.577E+01	9.577E+01	9.577E+01	4.709E+01	
45.0	2.753E+01	5.996E+01	5.963E+01	5.963E+01	0.000E+00	5.980E+01	5.980E+01	5.980E+01	4.497E+01	
55.0	1.885E+01	4.106E+01	4.083E+01	4.083E+01	0.000E+00	4.096E+01	4.096E+01	4.096E+01	4.301E+01	
65.0	1.372E+01	2.991E+01	2.974E+01	2.974E+01	0.000E+00	2.984E+01	2.984E+01	2.984E+01	4.123E+01	
75.0	1.044E+01	2.277E+01	2.264E+01	2.264E+01	0.000E+00	2.272E+01	2.272E+01	2.272E+01	3.962E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.662E-07	6.835E-07	6.799E-07	6.801E-07
2.5	7.342E-08	2.997E-07	2.981E-07	3.056E-07
3.5	3.817E-08	1.275E-07	1.268E-07	1.430E-07
4.5	2.339E-08	6.931E-08	6.893E-08	9.157E-08
7.5	8.567E-09	2.152E-08	2.140E-08	5.246E-08
15.0	2.197E-09	4.940E-09	4.912E-09	3.664E-08
25.0	8.235E-10	1.801E-09	1.791E-09	3.107E-08
35.0	4.406E-10	9.607E-10	9.553E-10	2.871E-08
45.0	2.753E-10	5.996E-10	5.963E-10	2.690E-08
55.0	1.885E-10	4.106E-10	4.083E-10	2.543E-08
65.0	1.372E-10	2.991E-10	2.974E-10	2.418E-08
75.0	1.044E-10	2.277E-10	2.264E-10	2.309E-08



TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.017E-05	2.331E-05	2.318E-05	2.318E-05	1.639E+01	1.071E+01	1.979E+00	3.914E-01	1.167E-07	2.252E-05
2.5	4.951E-06	1.495E-05	1.487E-05	1.487E-05	1.471E+01	1.248E+01	4.566E+00	1.881E+00	1.469E-06	4.302E-05
3.5	2.709E-06	7.236E-06	7.196E-06	7.196E-06	7.869E+00	7.300E+00	3.627E+00	2.085E+00	3.008E-06	3.369E-05
4.5	1.705E-06	4.314E-06	4.290E-06	4.290E-06	5.189E+00	4.993E+00	2.928E+00	1.982E+00	4.390E-06	2.738E-05
7.5	6.434E-07	1.507E-06	1.498E-06	1.498E-06	2.287E+00	2.271E+00	1.678E+00	1.349E+00	6.707E-06	1.588E-05
15.0	1.678E-07	3.734E-07	3.713E-07	3.713E-07	7.935E-01	7.938E-01	7.057E-01	6.263E-01	7.689E-06	6.732E-06
25.0	6.309E-08	1.378E-07	1.371E-07	1.371E-07	3.733E-01	3.735E-01	3.578E-01	3.377E-01	7.358E-06	3.458E-06
35.0	3.372E-08	7.300E-08	7.260E-08	7.260E-08	2.297E-01	2.298E-01	2.260E-01	2.195E-01	6.974E-06	2.201E-06
45.0	2.105E-08	4.534E-08	4.509E-08	4.509E-08	1.596E-01	1.597E-01	1.588E-01	1.565E-01	6.607E-06	1.553E-06
55.0	1.441E-08	3.106E-08	3.089E-08	3.089E-08	1.196E-01	1.197E-01	1.196E-01	1.188E-01	6.304E-06	1.173E-06
65.0	1.050E-08	2.267E-08	2.254E-08	2.254E-08	9.402E-02	9.408E-02	9.425E-02	9.400E-02	6.039E-06	9.254E-07
75.0	7.987E-09	1.727E-08	1.718E-08	1.718E-08	7.626E-02	7.631E-02	7.656E-02	7.655E-02	5.798E-06	7.523E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2								
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.017E+04	2.331E+04	2.318E+04	2.318E+04	0.000E+00	2.319E+04	2.319E+04	2.319E+04	7.068E-01
2.5	4.951E+03	1.495E+04	1.487E+04	1.487E+04	0.000E+00	1.488E+04	1.488E+04	1.488E+04	7.321E+00
3.5	2.709E+03	7.236E+03	7.196E+03	7.196E+03	0.000E+00	7.202E+03	7.202E+03	7.202E+03	1.476E+01
4.5	1.705E+03	4.314E+03	4.290E+03	4.290E+03	0.000E+00	4.294E+03	4.294E+03	4.294E+03	2.143E+01
7.5	6.434E+02	1.507E+03	1.498E+03	1.498E+03	0.000E+00	1.500E+03	1.500E+03	1.500E+03	3.273E+01
15.0	1.678E+02	3.734E+02	3.713E+02	3.713E+02	0.000E+00	3.719E+02	3.719E+02	3.719E+02	3.804E+01
25.0	6.309E+01	1.378E+02	1.371E+02	1.371E+02	0.000E+00	1.374E+02	1.374E+02	1.374E+02	3.699E+01
35.0	3.372E+01	7.300E+01	7.260E+01	7.260E+01	0.000E+00	7.278E+01	7.278E+01	7.278E+01	3.545E+01
45.0	2.105E+01	4.534E+01	4.509E+01	4.509E+01	0.000E+00	4.522E+01	4.522E+01	4.522E+01	3.386E+01
55.0	1.441E+01	3.106E+01	3.089E+01	3.089E+01	0.000E+00	3.098E+01	3.098E+01	3.098E+01	3.248E+01
65.0	1.050E+01	2.267E+01	2.254E+01	2.254E+01	0.000E+00	2.261E+01	2.261E+01	2.261E+01	3.125E+01
75.0	7.987E+00	1.727E+01	1.718E+01	1.718E+01	0.000E+00	1.724E+01	1.724E+01	1.724E+01	3.011E+01

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	1.017E-07	2.331E-07	2.318E-07	2.322E-07
2.5	4.951E-08	1.495E-07	1.487E-07	1.531E-07
3.5	2.709E-08	7.236E-08	7.196E-08	8.099E-08
4.5	1.705E-08	4.314E-08	4.290E-08	5.607E-08
7.5	6.434E-09	1.507E-08	1.498E-08	3.510E-08
15.0	1.678E-09	3.734E-09	3.713E-09	2.678E-08
25.0	6.309E-10	1.378E-09	1.371E-09	2.345E-08
35.0	3.372E-10	7.300E-10	7.260E-10	2.165E-08
45.0	2.105E-10	4.534E-10	4.509E-10	2.027E-08
55.0	1.441E-10	3.106E-10	3.089E-10	1.922E-08
65.0	1.050E-10	2.267E-10	2.254E-10	1.834E-08
75.0	7.987E-11	1.727E-10	1.718E-10	1.757E-08

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.067E-06	7.402E-06	7.362E-06	7.362E-06	9.580E+00	9.191E+00	4.806E+00	2.597E+00	3.151E-06	4.352E-05
2.5	8.971E-07	2.908E-06	2.892E-06	2.892E-06	4.351E+00	4.271E+00	2.736E+00	1.826E+00	3.513E-06	2.508E-05
3.5	4.719E-07	1.440E-06	1.432E-06	1.432E-06	2.477E+00	2.455E+00	1.778E+00	1.340E+00	3.695E-06	1.654E-05
4.5	2.834E-07	8.639E-07	8.592E-07	8.592E-07	1.709E+00	1.701E+00	1.327E+00	1.072E+00	3.923E-06	1.248E-05
7.5	9.091E-08	2.737E-07	2.722E-07	2.722E-07	7.594E-01	7.590E-01	6.648E-01	5.895E-01	3.978E-06	6.351E-06
15.0	1.727E-08	4.953E-08	4.926E-08	4.926E-08	2.387E-01	2.389E-01	2.295E-01	2.184E-01	3.370E-06	2.225E-06
25.0	5.246E-09	1.372E-08	1.364E-08	1.364E-08	1.019E-01	1.019E-01	1.010E-01	9.946E-02	2.790E-06	9.883E-07
35.0	2.508E-09	6.064E-09	6.030E-09	6.030E-09	5.885E-02	5.888E-02	5.888E-02	5.862E-02	2.447E-06	5.778E-07
45.0	1.451E-09	3.307E-09	3.288E-09	3.288E-09	3.916E-02	3.919E-02	3.930E-02	3.930E-02	2.210E-06	3.862E-07
55.0	9.359E-10	2.041E-09	2.030E-09	2.030E-09	2.830E-02	2.832E-02	2.843E-02	2.848E-02	2.033E-06	2.796E-07
65.0	6.489E-10	1.367E-09	1.360E-09	1.360E-09	2.157E-02	2.158E-02	2.169E-02	2.175E-02	1.894E-06	2.133E-07
75.0	4.738E-10	9.753E-10	9.698E-10	9.698E-10	1.713E-02	1.714E-02	1.722E-02	1.728E-02	1.784E-06	1.694E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	2.067E+03	7.402E+03	7.362E+03	7.362E+03	0.000E+00	7.369E+03	7.369E+03	7.369E+03	1.496E+01	
2.5	8.971E+02	2.908E+03	2.892E+03	2.892E+03	0.000E+00	2.896E+03	2.896E+03	2.896E+03	1.674E+01	
3.5	4.719E+02	1.440E+03	1.432E+03	1.432E+03	0.000E+00	1.434E+03	1.434E+03	1.434E+03	1.766E+01	
4.5	2.834E+02	8.639E+02	8.592E+02	8.592E+02	0.000E+00	8.605E+02	8.605E+02	8.605E+02	1.879E+01	
7.5	9.091E+01	2.737E+02	2.722E+02	2.722E+02	0.000E+00	2.728E+02	2.728E+02	2.728E+02	1.917E+01	
15.0	1.727E+01	4.953E+01	4.926E+01	4.926E+01	0.000E+00	4.944E+01	4.944E+01	4.944E+01	1.649E+01	
25.0	5.246E+00	1.372E+01	1.364E+01	1.364E+01	0.000E+00	1.372E+01	1.372E+01	1.372E+01	1.388E+01	
35.0	2.508E+00	6.064E+00	6.030E+00	6.030E+00	0.000E+00	6.077E+00	6.077E+00	6.077E+00	1.234E+01	
45.0	1.451E+00	3.307E+00	3.288E+00	3.288E+00	0.000E+00	3.319E+00	3.319E+00	3.319E+00	1.125E+01	
55.0	9.359E-01	2.041E+00	2.030E+00	2.030E+00	0.000E+00	2.052E+00	2.052E+00	2.052E+00	1.043E+01	
65.0	6.489E-01	1.367E+00	1.360E+00	1.360E+00	0.000E+00	1.377E+00	1.377E+00	1.377E+00	9.776E+00	
75.0	4.738E-01	9.753E-01	9.698E-01	9.698E-01	0.000E+00	9.834E-01	9.834E-01	9.834E-01	9.253E+00	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	2.067E-08	7.402E-08	7.362E-08	8.307E-08
2.5	8.971E-09	2.908E-08	2.892E-08	3.946E-08
3.5	4.719E-09	1.440E-08	1.432E-08	2.541E-08
4.5	2.834E-09	8.639E-09	8.592E-09	2.036E-08
7.5	9.091E-10	2.737E-09	2.722E-09	1.466E-08
15.0	1.727E-10	4.953E-10	4.926E-10	1.060E-08
25.0	5.246E-11	1.372E-10	1.364E-10	8.506E-09
35.0	2.508E-11	6.064E-11	6.030E-11	7.402E-09
45.0	1.451E-11	3.307E-11	3.288E-11	6.663E-09
55.0	9.359E-12	2.041E-11	2.030E-11	6.120E-09
65.0	6.489E-12	1.367E-11	1.360E-11	5.695E-09
75.0	4.738E-12	9.753E-12	9.698E-12	5.361E-09

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

XRHO, KM	TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	9.072E-06	1.378E-05	1.370E-05	1.370E-05	9.644E+00	9.413E+00	5.914E+00	3.659E+00	5.403E-06	5.333E-05
2.5	4.105E-06	6.628E-06	6.590E-06	6.590E-06	6.227E+00	6.158E+00	4.478E+00	3.292E+00	7.516E-06	4.132E-05
3.5	2.258E-06	3.790E-06	3.769E-06	3.769E-06	4.425E+00	4.401E+00	3.479E+00	2.811E+00	9.008E-06	3.266E-05
4.5	1.399E-06	2.414E-06	2.400E-06	2.400E-06	3.349E+00	3.340E+00	2.781E+00	2.372E+00	1.001E-05	2.639E-05
7.5	4.950E-07	9.002E-07	8.950E-07	8.950E-07	1.811E+00	1.811E+00	1.631E+00	1.486E+00	1.129E-05	1.568E-05
15.0	1.145E-07	2.224E-07	2.211E-07	2.211E-07	7.357E-01	7.361E-01	7.092E-01	6.769E-01	1.117E-05	6.879E-06
25.0	4.029E-08	8.117E-08	8.071E-08	8.071E-08	3.694E-01	3.697E-01	3.659E-01	3.591E-01	1.027E-05	3.575E-06
35.0	2.129E-08	4.342E-08	4.318E-08	4.318E-08	2.339E-01	2.340E-01	2.337E-01	2.321E-01	9.590E-06	2.292E-06
45.0	1.322E-08	2.713E-08	2.698E-08	2.698E-08	1.651E-01	1.652E-01	1.655E-01	1.653E-01	9.015E-06	1.626E-06
55.0	9.009E-09	1.866E-08	1.855E-08	1.855E-08	1.253E-01	1.254E-01	1.259E-01	1.260E-01	8.591E-06	1.237E-06
65.0	6.525E-09	1.361E-08	1.353E-08	1.353E-08	9.923E-02	9.929E-02	9.973E-02	9.995E-02	8.222E-06	9.807E-07
75.0	4.934E-09	1.035E-08	1.029E-08	1.029E-08	8.088E-02	8.093E-02	8.132E-02	8.156E-02	7.889E-06	7.999E-07

XRHO, KM	GROUND SURFACE CONCENTRATIONS, PCI/M2									
	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	
1.5	9.072E+03	1.378E+04	1.370E+04	1.370E+04	0.000E+00	1.371E+04	1.371E+04	1.371E+04	2.588E+01	
2.5	4.105E+03	6.628E+03	6.590E+03	6.590E+03	0.000E+00	6.595E+03	6.595E+03	6.595E+03	3.629E+01	
3.5	2.258E+03	3.790E+03	3.769E+03	3.769E+03	0.000E+00	3.772E+03	3.772E+03	3.772E+03	4.365E+01	
4.5	1.399E+03	2.414E+03	2.400E+03	2.400E+03	0.000E+00	2.402E+03	2.402E+03	2.402E+03	4.860E+01	
7.5	4.950E+02	9.002E+02	8.950E+02	8.950E+02	0.000E+00	8.965E+02	8.965E+02	8.965E+02	5.511E+01	
15.0	1.145E+02	2.224E+02	2.211E+02	2.211E+02	0.000E+00	2.217E+02	2.217E+02	2.217E+02	5.531E+01	
25.0	4.029E+01	8.117E+01	8.071E+01	8.071E+01	0.000E+00	8.100E+01	8.100E+01	8.100E+01	5.166E+01	
35.0	2.129E+01	4.342E+01	4.318E+01	4.318E+01	0.000E+00	4.336E+01	4.336E+01	4.336E+01	4.877E+01	
45.0	1.322E+01	2.713E+01	2.698E+01	2.698E+01	0.000E+00	2.711E+01	2.711E+01	2.711E+01	4.622E+01	
55.0	9.009E+00	1.866E+01	1.855E+01	1.855E+01	0.000E+00	1.865E+01	1.865E+01	1.865E+01	4.429E+01	
65.0	6.525E+00	1.361E+01	1.353E+01	1.353E+01	0.000E+00	1.361E+01	1.361E+01	1.361E+01	4.256E+01	
75.0	4.934E+00	1.035E+01	1.029E+01	1.029E+01	0.000E+00	1.035E+01	1.035E+01	1.035E+01	4.099E+01	

XRHO, KM	TOTAL DEPOSITION RATES, PCI/M2-SEC			
	U-238	Th-230	Ra-226	Pb-210
1.5	9.072E-08	1.378E-07	1.370E-07	1.533E-07
2.5	4.105E-08	6.628E-08	6.590E-08	8.844E-08
3.5	2.258E-08	3.790E-08	3.769E-08	6.471E-08
4.5	1.399E-08	2.414E-08	2.400E-08	5.402E-08
7.5	4.950E-09	9.002E-09	8.950E-09	4.281E-08
15.0	1.145E-09	2.224E-09	2.211E-09	3.571E-08
25.0	4.029E-10	8.117E-10	8.071E-10	3.163E-08
35.0	2.129E-10	4.342E-10	4.318E-10	2.920E-08
45.0	1.322E-10	2.713E-10	2.698E-10	2.731E-08
55.0	9.009E-11	1.866E-10	1.855E-10	2.596E-08
65.0	6.525E-11	1.361E-10	1.353E-10	2.480E-08
75.0	4.934E-11	1.035E-10	1.029E-10	2.377E-08

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHC 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.484E-04	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.223E-04	1.711E-05	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.333E-06	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.503E-03	1.252E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.092E-07	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.225E-05	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.080E-05	3.809E-06	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.657E-05	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.491E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.394E-03 PERSON-REM/YR

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.848E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.853E-03	1.414E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.934E-05	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.061E-02	1.028E-03
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.682E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.440E-04	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.846E-05	3.109E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.868E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.218E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.793E-02 PERSON-REM/YR



TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.632E-04	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.459E-04	1.408E-05	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.528E-06	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.828E-03	7.808E-05
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.860E-07	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.180E-05	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.949E-06	1.659E-06	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.625E-05	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.682E-06	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.401E-03 PERSON-REM/YR

TIME STEP NUMBER 8. YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.217E-02	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.033E-01	6.280E-03	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.803E-03	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.947E-01	3.010E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.235E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.239E-02	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.729E-03	1.073E-03	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.306E-02	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.817E-03	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 9.748E-01 PERSON-REM/YR

TIME STEP NUMBER 8. YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.773E-03	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.117E-03	2.797E-04	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.764E-04	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.513E-02	1.440E-03
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.159E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.592E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.058E-04	2.707E-05	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.499E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.115E-04	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.588E-02 PERSON-REM/YR





TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.073E-04	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.610E-04	5.368E-05	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.188E-05	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.739E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.089E-04	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.257E-05	9.429E-06	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.033E-04	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.346E-05	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 8.418E-03 PERSON-REM/YR

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.218E-03	8.108E-04	5.864E-04	4.557E-04	1.465E-03	1.928E-03	1.785E-03	1.901E-03	2.067E-03	2.245E-03	2.424E-03	2.598E-03
NNE	1.626E-03	1.166E-03	7.243E-04	5.548E-04	1.673E-03	2.056E-03	1.784E-03	1.817E-03	1.920E-03	2.045E-03	2.188E-03	2.340E-03
NE	2.328E-03	1.459E-03	8.829E-04	6.588E-04	1.943E-03	2.327E-03	1.950E-03	1.935E-03	2.021E-03	2.148E-03	2.286E-03	2.425E-03
ENE	2.015E-03	1.475E-03	8.848E-04	6.260E-04	1.719E-03	1.974E-03	1.673E-03	1.704E-03	1.801E-03	1.921E-03	2.049E-03	2.177E-03
E	6.923E-04	7.384E-04	5.035E-04	3.901E-04	1.199E-03	1.477E-03	1.272E-03	1.288E-03	1.359E-03	1.453E-03	1.554E-03	1.656E-03
ESE	2.757E-04	2.757E-04	2.449E-04	2.104E-04	7.517E-04	1.003E-03	8.358E-04	8.063E-04	8.176E-04	8.459E-04	8.820E-04	9.235E-04
SE	1.741E-04	8.332E-05	6.600E-05	5.802E-05	2.255E-04	3.299E-04	2.959E-04	2.979E-04	3.109E-04	3.281E-04	3.470E-04	3.663E-04
SSE	1.320E-04	7.611E-05	2.851E-05	2.156E-05	6.267E-05	7.564E-05	6.234E-05	5.828E-05	5.644E-05	5.555E-05	5.517E-05	5.507E-05
S	2.200E-04	1.461E-04	1.034E-04	8.226E-05	2.499E-04	3.075E-04	2.905E-04	3.160E-04	3.483E-04	3.812E-04	4.133E-04	4.447E-04
SSW	3.400E-04	2.739E-04	2.271E-04	1.926E-04	6.733E-04	9.204E-04	8.397E-04	8.777E-04	9.445E-04	1.020E-03	1.106E-03	1.195E-03
SW	4.105E-04	3.463E-04	2.909E-04	2.501E-04	9.035E-04	1.280E-03	1.189E-03	1.253E-03	1.366E-03	1.493E-03	1.621E-03	1.746E-03
WSW	4.046E-04	3.260E-04	2.645E-04	2.214E-04	7.638E-04	1.077E-03	1.068E-03	1.191E-03	1.331E-03	1.472E-03	1.609E-03	1.740E-03
W	4.154E-04	3.364E-04	2.742E-04	2.305E-04	8.062E-04	1.197E-03	1.225E-03	1.377E-03	1.544E-03	1.722E-03	1.894E-03	2.057E-03
WNW	5.723E-04	4.422E-04	3.614E-04	3.039E-04	1.060E-03	1.564E-03	1.601E-03	1.805E-03	2.031E-03	2.256E-03	2.474E-03	2.696E-03
NW	6.636E-04	5.486E-04	4.193E-04	3.486E-04	1.187E-03	1.649E-03	1.570E-03	1.697E-03	1.860E-03	2.030E-03	2.198E-03	2.361E-03
NNW	8.035E-04	6.258E-04	4.507E-04	3.630E-04	1.190E-03	1.596E-03	1.501E-03	1.611E-03	1.758E-03	1.912E-03	2.066E-03	2.216E-03

TOTAL DOSE COMMITMENT IS 2.052E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.683E-02	1.120E-02	8.082E-03	6.260E-03	1.980E-02	2.475E-02	2.173E-02	2.243E-02	2.390E-02	2.563E-02	2.742E-02	2.920E-02
NNE	2.248E-02	1.611E-02	9.990E-03	7.632E-03	2.270E-02	2.671E-02	2.207E-02	2.176E-02	2.249E-02	2.360E-02	2.498E-02	2.651E-02
NE	3.217E-02	2.016E-02	1.219E-02	9.075E-03	2.647E-02	3.055E-02	2.445E-02	2.347E-02	2.394E-02	2.502E-02	2.631E-02	2.766E-02
ENE	2.786E-02	2.039E-02	1.221E-02	8.623E-03	2.341E-02	2.582E-02	2.086E-02	2.053E-02	2.122E-02	2.228E-02	2.349E-02	2.475E-02
E	9.573E-03	1.020E-02	6.951E-03	5.375E-03	1.634E-02	1.935E-02	1.587E-02	1.554E-02	1.601E-02	1.684E-02	1.781E-02	1.882E-02
ESE	3.813E-03	3.810E-03	3.382E-03	2.901E-03	1.028E-02	1.334E-02	1.071E-02	1.001E-02	9.911E-03	1.007E-02	1.035E-02	1.072E-02
SE	2.406E-03	1.151E-03	9.111E-04	7.995E-04	3.078E-03	4.352E-03	3.737E-03	3.639E-03	3.709E-03	3.847E-03	4.017E-03	4.200E-03
SSE	1.822E-03	1.047E-03	3.895E-04	2.921E-04	8.236E-04	9.376E-04	7.458E-04	6.849E-04	6.557E-04	6.399E-04	6.315E-04	6.271E-04
S	3.037E-03	2.011E-03	1.418E-03	1.121E-03	3.317E-03	3.783E-03	3.369E-03	3.571E-03	3.887E-03	4.226E-03	4.562E-03	4.897E-03
SSW	4.695E-03	3.776E-03	3.120E-03	2.636E-03	9.063E-03	1.179E-02	1.021E-02	1.032E-02	1.088E-02	1.160E-02	1.246E-02	1.338E-02
SW	5.671E-03	4.775E-03	3.998E-03	3.425E-03	1.218E-02	1.644E-02	1.449E-02	1.478E-02	1.577E-02	1.700E-02	1.829E-02	1.957E-02
WSW	5.588E-03	4.491E-03	3.629E-03	3.024E-03	1.022E-02	1.361E-02	1.278E-02	1.384E-02	1.520E-02	1.662E-02	1.804E-02	1.941E-02
W	5.738E-03	4.635E-03	3.763E-03	3.146E-03	1.076E-02	1.499E-02	1.454E-02	1.591E-02	1.756E-02	1.939E-02	2.118E-02	2.290E-02
WNW	7.906E-03	6.095E-03	4.963E-03	4.152E-03	1.415E-02	1.959E-02	1.897E-02	2.079E-02	2.303E-02	2.533E-02	2.760E-02	2.994E-02
NW	9.169E-03	7.564E-03	5.763E-03	4.769E-03	1.593E-02	2.093E-02	1.890E-02	1.984E-02	2.135E-02	2.303E-02	2.474E-02	2.642E-02
NNW	1.110E-02	8.634E-03	6.201E-03	4.976E-03	1.602E-02	2.037E-02	1.818E-02	1.893E-02	2.027E-02	2.178E-02	2.334E-02	2.487E-02

TOTAL DOSE COMMITMENT IS 2.506E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
BY THE POPULATION OF THIS REGION. SEE SUMMARY  
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	8.733E-04	5.809E-04	4.191E-04	3.244E-04	1.025E-03	1.280E-03	1.124E-03	1.161E-03	1.238E-03	1.328E-03	1.422E-03	1.516E-03
NNE	1.170E-03	8.393E-04	5.194E-04	3.964E-04	1.177E-03	1.382E-03	1.142E-03	1.126E-03	1.165E-03	1.223E-03	1.296E-03	1.375E-03
NE	1.680E-03	1.052E-03	6.344E-04	4.719E-04	1.374E-03	1.582E-03	1.265E-03	1.215E-03	1.240E-03	1.297E-03	1.364E-03	1.435E-03
ENE	1.456E-03	1.065E-03	6.369E-04	4.490E-04	1.216E-03	1.337E-03	1.080E-03	1.063E-03	1.099E-03	1.154E-03	1.218E-03	1.284E-03
E	4.968E-04	5.315E-04	3.615E-04	2.793E-04	8.477E-04	1.002E-03	8.211E-04	8.041E-04	8.289E-04	8.726E-04	9.236E-04	9.762E-04
ESE	1.962E-04	1.970E-04	1.751E-04	1.503E-04	5.326E-04	6.909E-04	5.545E-04	5.186E-04	5.136E-04	5.220E-04	5.370E-04	5.565E-04
SE	1.250E-04	5.936E-05	4.696E-05	4.125E-05	1.591E-04	2.251E-04	1.934E-04	1.885E-04	1.922E-04	1.995E-04	2.084E-04	2.180E-04
SSE	9.552E-05	5.487E-05	2.033E-05	1.522E-05	4.276E-05	4.841E-05	3.845E-05	3.533E-05	3.386E-05	3.309E-05	3.270E-05	3.252E-05
S	1.585E-04	1.048E-04	7.383E-05	5.833E-05	1.723E-04	1.957E-04	1.739E-04	1.845E-04	2.010E-04	2.188E-04	2.364E-04	2.540E-04
SSW	2.429E-04	1.953E-04	1.615E-04	1.364E-04	4.689E-04	6.095E-04	5.275E-04	5.338E-04	5.633E-04	6.012E-04	6.464E-04	6.943E-04
SW	2.921E-04	2.462E-04	2.063E-04	1.768E-04	6.289E-04	8.496E-04	7.489E-04	7.646E-04	8.165E-04	8.810E-04	9.485E-04	1.016E-03
WSW	2.882E-04	2.318E-04	1.874E-04	1.562E-04	5.278E-04	7.028E-04	6.602E-04	7.157E-04	7.867E-04	8.612E-04	9.352E-04	1.007E-03
W	2.954E-04	2.390E-04	1.941E-04	1.624E-04	5.554E-04	7.740E-04	7.511E-04	8.225E-04	9.090E-04	1.004E-03	1.098E-03	1.188E-03
WNW	4.074E-04	3.142E-04	2.560E-04	2.143E-04	7.308E-04	1.011E-03	9.798E-04	1.075E-03	1.192E-03	1.312E-03	1.431E-03	1.553E-03
NW	4.729E-04	3.911E-04	2.980E-04	2.466E-04	8.239E-04	1.082E-03	9.771E-04	1.026E-03	1.106E-03	1.194E-03	1.283E-03	1.372E-03
NNW	5.746E-04	4.477E-04	3.213E-04	2.578E-04	8.294E-04	1.053E-03	9.397E-04	9.791E-04	1.049E-03	1.128E-03	1.210E-03	1.290E-03

TOTAL DOSE COMMITMENT IS 1.299E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.054E-02	7.012E-03	5.056E-03	3.911E-03	1.231E-02	1.518E-02	1.314E-02	1.345E-02	1.426E-02	1.524E-02	1.627E-02	1.731E-02
NNE	1.413E-02	1.013E-02	6.267E-03	4.781E-03	1.415E-02	1.644E-02	1.340E-02	1.310E-02	1.346E-02	1.408E-02	1.486E-02	1.574E-02
NE	2.028E-02	1.270E-02	7.656E-03	5.692E-03	1.653E-02	1.886E-02	1.491E-02	1.419E-02	1.438E-02	1.497E-02	1.569E-02	1.646E-02
ENE	1.757E-02	1.286E-02	7.686E-03	5.416E-03	1.463E-02	1.593E-02	1.270E-02	1.239E-02	1.272E-02	1.330E-02	1.399E-02	1.471E-02
E	5.998E-03	6.416E-03	4.363E-03	3.369E-03	1.020E-02	1.194E-02	9.662E-03	9.373E-03	9.599E-03	1.006E-02	1.061E-02	1.118E-02
ESE	2.370E-03	2.379E-03	2.114E-03	1.813E-03	6.415E-03	8.265E-03	6.571E-03	6.095E-03	5.996E-03	6.062E-03	6.211E-03	6.416E-03
SE	1.510E-03	7.167E-04	5.669E-04	4.977E-04	1.915E-03	2.687E-03	2.283E-03	2.205E-03	2.233E-03	2.306E-03	2.401E-03	2.504E-03
SSE	1.153E-03	6.617E-04	2.447E-04	1.829E-04	5.100E-04	5.688E-04	4.473E-04	4.089E-04	3.905E-04	3.807E-04	3.755E-04	3.728E-04
S	1.912E-03	1.264E-03	8.896E-04	7.018E-04	2.060E-03	2.294E-03	2.005E-03	2.110E-03	2.290E-03	2.487E-03	2.684E-03	2.881E-03
SSW	2.932E-03	2.357E-03	1.947E-03	1.643E-03	5.626E-03	7.223E-03	6.163E-03	6.179E-03	6.481E-03	6.888E-03	7.386E-03	7.918E-03
SW	3.527E-03	2.971E-03	2.488E-03	2.130E-03	7.547E-03	1.007E-02	8.756E-03	8.857E-03	9.399E-03	1.010E-02	1.084E-02	1.159E-02
WSW	3.479E-03	2.797E-03	2.259E-03	1.880E-03	6.324E-03	8.297E-03	7.680E-03	8.255E-03	9.027E-03	9.849E-03	1.067E-02	1.147E-02
W	3.567E-03	2.883E-03	2.340E-03	1.955E-03	6.649E-03	9.117E-03	8.717E-03	9.471E-03	1.042E-02	1.147E-02	1.252E-02	1.353E-02
WNW	4.919E-03	3.792E-03	3.087E-03	2.580E-03	8.752E-03	1.191E-02	1.137E-02	1.237E-02	1.365E-02	1.498E-02	1.630E-02	1.767E-02
NW	5.710E-03	4.719E-03	3.593E-03	2.970E-03	9.877E-03	1.278E-02	1.139E-02	1.186E-02	1.270E-02	1.367E-02	1.466E-02	1.564E-02
NNW	6.938E-03	5.403E-03	3.875E-03	3.106E-03	9.952E-03	1.246E-02	1.097E-02	1.133E-02	1.207E-02	1.294E-02	1.384E-02	1.473E-02

TOTAL DOSE COMMITMENT IS 1.519E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.



TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.345E-05	3.551E-05	2.557E-05	1.972E-05	6.102E-05	7.072E-05	5.686E-05	5.534E-05	5.672E-05	5.920E-05	6.216E-05	6.529E-05
NNE	7.135E-05	5.109E-05	3.163E-05	2.408E-05	7.035E-05	7.771E-05	5.937E-05	5.524E-05	5.476E-05	5.579E-05	5.775E-05	6.027E-05
NE	1.021E-04	6.395E-05	3.861E-05	2.868E-05	8.248E-05	9.027E-05	6.727E-05	6.100E-05	5.958E-05	6.029E-05	6.186E-05	6.386E-05
ENE	8.837E-05	6.465E-05	3.869E-05	2.724E-05	7.285E-05	7.588E-05	5.687E-05	5.277E-05	5.223E-05	5.314E-05	5.475E-05	5.669E-05
E	3.041E-05	3.238E-05	2.203E-05	1.699E-05	5.093E-05	5.703E-05	4.331E-05	3.996E-05	3.941E-05	4.017E-05	4.152E-05	4.309E-05
ESE	1.213E-05	1.211E-05	1.073E-05	9.184E-06	3.222E-05	4.023E-05	3.053E-05	2.714E-05	2.576E-05	2.530E-05	2.533E-05	2.568E-05
SE	7.636E-06	3.656E-06	2.891E-06	2.531E-06	9.615E-06	1.296E-05	1.041E-05	9.591E-06	9.360E-06	9.394E-06	9.565E-06	9.807E-06
SSE	5.767E-06	3.303E-06	1.217E-06	9.021E-07	2.434E-06	2.524E-06	1.883E-06	1.672E-06	1.566E-06	1.504E-06	1.466E-06	1.441E-06
S	9.619E-06	6.350E-06	4.451E-06	3.489E-06	9.951E-06	1.006E-05	8.004E-06	8.042E-06	8.518E-06	9.123E-06	9.762E-06	1.042E-05
SSW	1.490E-05	1.195E-05	9.836E-06	8.263E-06	2.777E-05	3.358E-05	2.661E-05	2.530E-05	2.560E-05	2.655E-05	2.798E-05	2.962E-05
SW	1.802E-05	1.513E-05	1.261E-05	1.075E-05	3.737E-05	4.702E-05	3.798E-05	3.644E-05	3.727E-05	3.905E-05	4.120E-05	4.348E-05
WSW	1.774E-05	1.421E-05	1.142E-05	9.451E-06	3.104E-05	3.789E-05	3.239E-05	3.313E-05	3.511E-05	3.752E-05	4.007E-05	4.263E-05
W	1.822E-05	1.467E-05	1.185E-05	9.830E-06	3.255E-05	4.116E-05	3.628E-05	3.761E-05	4.018E-05	4.343E-05	4.677E-05	5.005E-05
WNW	2.511E-05	1.930E-05	1.564E-05	1.299E-05	4.291E-05	5.379E-05	4.715E-05	4.887E-05	5.235E-05	5.640E-05	6.060E-05	6.510E-05
NW	2.913E-05	2.395E-05	1.817E-05	1.494E-05	4.861E-05	5.872E-05	4.846E-05	4.806E-05	4.986E-05	5.248E-05	5.543E-05	5.848E-05
NNW	3.526E-05	2.735E-05	1.958E-05	1.563E-05	4.910E-05	5.761E-05	4.708E-05	4.631E-05	4.776E-05	5.004E-05	5.266E-05	5.539E-05

TOTAL DOSE COMMITMENT IS 6.599E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN  
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL  
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED  
 BY THE POPULATION OF THIS REGION. SEE SUMMARY  
 TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	6.927E-04	4.600E-04	3.306E-04	2.544E-04	7.785E-04	8.647E-04	6.566E-04	6.117E-04	6.070E-04	6.188E-04	6.384E-04	6.618E-04
NNE	9.258E-04	6.627E-04	4.096E-04	3.112E-04	9.006E-04	9.607E-04	6.988E-04	6.238E-04	5.987E-04	5.948E-04	6.038E-04	6.205E-04
NE	1.326E-03	8.301E-04	5.005E-04	3.711E-04	1.059E-03	1.126E-03	8.034E-04	7.006E-04	6.625E-04	6.530E-04	6.563E-04	6.665E-04
ENE	1.148E-03	8.395E-04	5.018E-04	3.527E-04	9.351E-04	9.435E-04	6.750E-04	6.014E-04	5.759E-04	5.710E-04	5.766E-04	5.877E-04
E	3.942E-04	4.201E-04	2.855E-04	2.199E-04	6.540E-04	7.101E-04	5.146E-04	4.556E-04	4.347E-04	4.318E-04	4.372E-04	4.467E-04
ESE	1.569E-04	1.568E-04	1.389E-04	1.188E-04	4.145E-04	5.072E-04	3.726E-04	3.206E-04	2.956E-04	2.832E-04	2.777E-04	2.766E-04
SE	9.901E-05	4.728E-05	3.737E-05	3.268E-05	1.234E-04	1.622E-04	1.252E-04	1.112E-04	1.051E-04	1.028E-04	1.025E-04	1.033E-04
SSE	7.491E-05	4.281E-05	1.568E-05	1.155E-05	3.043E-05	2.980E-05	2.126E-05	1.839E-05	1.689E-05	1.599E-05	1.540E-05	1.499E-05
S	1.248E-04	8.220E-05	5.745E-05	4.484E-05	1.254E-04	1.177E-04	8.609E-05	8.245E-05	8.501E-05	8.960E-05	9.492E-05	1.007E-04
SSW	1.929E-04	1.545E-04	1.269E-04	1.063E-04	3.532E-04	4.097E-04	3.065E-04	2.783E-04	2.721E-04	2.752E-04	2.848E-04	2.974E-04
SW	2.329E-04	1.954E-04	1.626E-04	1.382E-04	4.754E-04	5.748E-04	4.390E-04	4.023E-04	3.976E-04	4.062E-04	4.207E-04	4.379E-04
WSW	2.294E-04	1.835E-04	1.472E-04	1.213E-04	3.928E-04	4.558E-04	3.656E-04	3.575E-04	3.674E-04	3.842E-04	4.041E-04	4.251E-04
W	2.356E-04	1.894E-04	1.525E-04	1.261E-04	4.109E-04	4.909E-04	4.049E-04	4.018E-04	4.169E-04	4.416E-04	4.688E-04	4.965E-04
WNW	3.247E-04	2.493E-04	2.015E-04	1.668E-04	5.422E-04	6.415E-04	5.246E-04	5.195E-04	5.401E-04	5.702E-04	6.042E-04	6.425E-04
NW	3.768E-04	3.096E-04	2.344E-04	1.921E-04	6.165E-04	7.100E-04	5.514E-04	5.235E-04	5.265E-04	5.420E-04	5.632E-04	5.869E-04
NNW	4.566E-04	3.541E-04	2.530E-04	2.014E-04	6.247E-04	7.004E-04	5.398E-04	5.085E-04	5.083E-04	5.206E-04	5.388E-04	5.595E-04

TOTAL DOSE COMMITMENT IS 7.646E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 8, YS -

DURATION IN YRS IS... 3.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 8--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.394E-03	2.793E-02	2.401E-03	1.825E-02	8.805E-03	9.748E-01
GROUND	4.588E-02	4.588E-02	4.588E-02	4.588E-02	4.588E-02	4.588E-02
CLOUD	8.418E-03	8.418E-03	8.418E-03	8.418E-03	8.418E-03	8.418E-03
VEG. ING	1.026E-01	1.253E+00	1.026E-01	3.250E-01	2.619E-01	1.026E-01
MEAT ING	5.515E-03	6.451E-02	5.515E-03	1.930E-02	1.548E-02	5.515E-03
MILK ING	3.468E-03	4.018E-02	3.468E-03	1.033E-02	8.470E-03	3.468E-03
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.693E-01	1.440E+00	1.683E-01	4.272E-01	3.490E-01	1.141E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.026E-01	1.253E+00	1.026E-01	3.250E-01	2.619E-01	1.026E-01
MEAT ING	1.244E-01	1.455E+00	1.244E-01	4.352E-01	3.491E-01	1.244E-01
MILK ING	3.132E-03	3.628E-02	3.132E-03	9.325E-03	7.649E-03	3.132E-03
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.301E-01	2.744E+00	2.301E-01	7.695E-01	6.186E-01	2.301E-01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.394E-03	2.793E-02	2.401E-03	1.825E-02	8.805E-03	9.748E-01
GROUND	4.588E-02	4.588E-02	4.588E-02	4.588E-02	4.588E-02	4.588E-02
CLOUD	8.418E-03	8.418E-03	8.418E-03	8.418E-03	8.418E-03	8.418E-03
VEG. ING	2.052E-01	2.506E+00	2.052E-01	6.500E-01	5.239E-01	2.052E-01
MEAT ING	1.299E-01	1.519E+00	1.299E-01	4.545E-01	3.645E-01	1.299E-01
MILK ING	6.599E-03	7.646E-02	6.599E-03	1.965E-02	1.612E-02	6.599E-03
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.994E-01	4.184E+00	3.984E-01	1.197E+00	9.676E-01	1.371E+00



INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS										
NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3				GROUND CONCENTRATIONS, PCI/M2			
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Nearest Resident	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	2	3.625E-08	8.105E-08	8.060E-08	8.060E-08	3.625E+01	8.105E+01	8.060E+01	8.060E+01
1	Nearest Resident	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	Nearest Resident	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.625E-08	8.105E-08	8.060E-08	8.060E-08	3.625E+01	8.105E+01	8.060E+01	8.060E+01
2	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	2	2.942E-04	3.224E-04	3.204E-04	3.204E-04	2.942E+05	3.224E+05	3.204E+05	3.204E+05
2	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.942E-04	3.224E-04	3.204E-04	3.204E-04	2.942E+05	3.224E+05	3.204E+05	3.204E+05
3	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	2	9.343E-06	2.783E-05	2.768E-05	2.768E-05	9.343E+03	2.783E+04	2.768E+04	2.768E+04
3	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			9.343E-06	2.783E-05	2.768E-05	2.768E-05	9.343E+03	2.783E+04	2.768E+04	2.768E+04
4	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	2	7.356E-06	2.204E-05	2.192E-05	2.192E-05	7.356E+03	2.204E+04	2.192E+04	2.192E+04
4	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			7.356E-06	2.204E-05	2.192E-05	2.192E-05	7.356E+03	2.204E+04	2.192E+04	2.192E+04
5	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	2	3.783E-05	5.419E-05	5.387E-05	5.387E-05	3.783E+04	5.419E+04	5.387E+04	5.387E+04
5	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			3.783E-05	5.419E-05	5.387E-05	5.387E-05	3.783E+04	5.419E+04	5.387E+04	5.387E+04
6	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	2	9.323E-05	1.285E-04	1.278E-04	1.278E-04	9.323E+04	1.285E+05	1.278E+05	1.278E+05
6	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			9.323E-05	1.285E-04	1.278E-04	1.278E-04	9.323E+04	1.285E+05	1.278E+05	1.278E+05
7	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	2	1.046E-05	3.364E-05	3.345E-05	3.345E-05	1.046E+04	3.364E+04	3.345E+04	3.345E+04
7	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			1.046E-05	3.364E-05	3.345E-05	3.345E-05	1.046E+04	3.364E+04	3.345E+04	3.345E+04
8	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	2	2.423E-05	4.029E-05	4.006E-05	4.006E-05	2.423E+04	4.029E+04	4.006E+04	4.006E+04
8	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS			2.423E-05	4.029E-05	4.006E-05	4.006E-05	2.423E+04	4.029E+04	4.006E+04	4.006E+04

NO.	NAME	PTSZ	INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS				GROUND CONCENTRATIONS, PCI/M2			
			AIRBORNE CONCENTRATIONS, PCI/M3				U-238	Th-230	Ra-226	Pb-210
9	Restricted Area Boun	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
9	Restricted Area Boun	2	8.383E-05	1.030E-04	1.023E-04	1.023E-04	8.383E+04	1.030E+05	1.023E+05	1.023E+05
9	Restricted Area Boun	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
9	Restricted Area Boun	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		8.383E-05	1.030E-04	1.023E-04	1.023E-04	8.383E+04	1.030E+05	1.023E+05	1.023E+05
10	Ballroil	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
10	Ballroil	2	3.565E-08	8.071E-08	8.026E-08	8.026E-08	3.565E+01	8.071E+01	8.026E+01	8.026E+01
10	Ballroil	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
10	Ballroil	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.565E-08	8.071E-08	8.026E-08	8.026E-08	3.565E+01	8.071E+01	8.026E+01	8.026E+01
11	Jeffrey City	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
11	Jeffrey City	2	3.380E-08	7.281E-08	7.241E-08	7.241E-08	3.380E+01	7.281E+01	7.241E+01	7.241E+01
11	Jeffrey City	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
11	Jeffrey City	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		3.380E-08	7.281E-08	7.241E-08	7.241E-08	3.380E+01	7.281E+01	7.241E+01	7.241E+01
12	Rawlins	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
12	Rawlins	2	6.890E-09	1.502E-08	1.494E-08	1.494E-08	6.890E+00	1.502E+01	1.494E+01	1.494E+01
12	Rawlins	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
12	Rawlins	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		6.890E-09	1.502E-08	1.494E-08	1.494E-08	6.890E+00	1.502E+01	1.494E+01	1.494E+01
13	Special Receptor #1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
13	Special Receptor #1	2	1.701E-05	7.735E-05	7.694E-05	7.694E-05	1.701E+04	7.735E+04	7.694E+04	7.694E+04
13	Special Receptor #1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
13	Special Receptor #1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		1.701E-05	7.735E-05	7.694E-05	7.694E-05	1.701E+04	7.735E+04	7.694E+04	7.694E+04
14	Special Receptor #2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
14	Special Receptor #2	2	6.167E-06	1.936E-05	1.925E-05	1.925E-05	6.167E+03	1.936E+04	1.925E+04	1.925E+04
14	Special Receptor #2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
14	Special Receptor #2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
	CONCENTRATION TOTALS		6.167E-06	1.936E-05	1.925E-05	1.925E-05	6.167E+03	1.936E+04	1.925E+04	1.925E+04

INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3							GROUND CONCENTRATIONS, PCI/M2						
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210		
1	3.232E-01	3.234E-01	3.132E-01	2.991E-01	7.425E-06	1.999E-07	1.401E-10	3.037E-06	2.561E-01	2.561E-01	2.561E-01	4.063E+01		
2	4.920E+01	4.424E+01	1.468E+01	4.393E+00	2.063E-06	1.168E-09	1.912E-14	1.364E-04	3.504E+01	3.504E+01	3.504E+01	9.766E+00		
3	2.487E+01	2.214E+01	7.714E+00	2.577E+00	1.425E-06	9.443E-10	1.798E-14	7.153E-05	1.754E+01	1.754E+01	1.754E+01	6.747E+00		
4	1.931E+01	1.465E+01	3.914E+00	1.147E+00	5.516E-07	3.212E-10	5.401E-15	3.921E-05	1.160E+01	1.160E+01	1.160E+01	2.862E+00		
5	2.304E+01	2.115E+01	8.597E+00	3.317E+00	2.215E-06	1.747E-09	3.932E-14	7.774E-05	1.675E+01	1.675E+01	1.675E+01	1.049E+01		
6	4.668E+01	3.932E+01	9.851E+00	2.238E+00	7.531E-07	3.110E-10	3.749E-15	9.880E-05	3.115E+01	3.115E+01	3.115E+01	3.565E+00		
7	3.175E+01	2.781E+01	8.825E+00	2.670E+00	1.297E-06	7.599E-10	1.285E-14	8.334E-05	2.202E+01	2.202E+01	2.202E+01	6.138E+00		
8	2.224E+01	2.020E+01	7.742E+00	2.846E+00	1.788E-06	1.335E-09	2.851E-14	7.067E-05	1.600E+01	1.600E+01	1.600E+01	8.465E+00		
9	2.921E+01	2.691E+01	1.068E+01	3.894E+00	2.378E-06	1.723E-09	3.578E-14	9.640E-05	2.132E+01	2.132E+01	2.132E+01	1.126E+01		
10	3.422E-01	3.424E-01	3.357E-01	3.253E-01	1.025E-05	3.530E-07	3.197E-10	3.268E-06	2.712E-01	2.712E-01	2.712E-01	5.633E+01		
11	1.322E-01	1.322E-01	1.317E-01	1.303E-01	6.219E-06	3.120E-07	4.149E-10	1.290E-06	1.047E-01	1.047E-01	1.047E-01	3.112E+01		
12	5.498E-02	5.501E-02	5.476E-02	5.402E-02	2.782E-06	1.685E-07	2.796E-10	5.358E-07	4.357E-02	4.357E-02	4.357E-02	1.489E+01		
13	7.582E+01	5.280E+01	9.580E+00	1.726E+00	4.537E-07	1.486E-10	1.430E-15	1.094E-04	4.182E+01	4.182E+01	4.182E+01	2.470E+00		
14	2.170E+01	1.975E+01	8.883E+00	4.285E+00	4.231E-06	4.832E-09	1.554E-13	8.136E-05	1.564E+01	1.564E+01	1.564E+01	2.084E+01		

NUMBER 1 NAME=Nearest Resident      X= 28.0KM, Y= 0.0KM, Z= 73.9M, DIST= 28.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.18E-04	1.39E-03	3.30E-03	2.82E-04	2.22E-04	0.00E+00
INFANT	GROUND	3.65E-04	3.65E-04	3.65E-04	3.65E-04	3.65E-04	3.65E-04
INFANT	CLOUD	8.13E-12	8.13E-12	8.13E-12	8.13E-12	8.13E-12	8.13E-12
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.36E-03	4.32E-03	3.15E-03	3.15E-03	2.88E-03	0.00E+00
INFANT	TOTALS	2.25E-03	6.08E-03	6.81E-03	3.80E-03	3.47E-03	3.65E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.43E-04	1.18E-03	1.51E-03	1.14E-04	7.59E-05	0.00E+00
CHILD	GROUND	3.65E-04	3.65E-04	3.65E-04	3.65E-04	3.65E-04	3.65E-04
CHILD	CLOUD	8.13E-12	8.13E-12	8.13E-12	8.13E-12	8.13E-12	8.13E-12
CHILD	VEG. ING	8.22E-04	4.51E-03	3.27E-03	3.27E-03	2.50E-03	0.00E+00
CHILD	MEAT ING	1.09E-04	5.29E-04	5.45E-04	5.45E-04	4.01E-04	0.00E+00
CHILD	MILK ING	1.89E-04	1.19E-03	7.21E-04	7.21E-04	5.46E-04	0.00E+00
CHILD	TOTALS	1.73E-03	7.77E-03	6.41E-03	5.01E-03	3.89E-03	3.65E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.53E-04	1.31E-03	7.80E-04	4.96E-05	3.80E-05	0.00E+00
TEENAGE	GROUND	3.65E-04	3.65E-04	3.65E-04	3.65E-04	3.65E-04	3.65E-04
TEENAGE	CLOUD	8.13E-12	8.13E-12	8.13E-12	8.13E-12	8.13E-12	8.13E-12
TEENAGE	VEG. ING	1.39E-03	2.46E-02	2.82E-03	2.82E-03	2.49E-03	0.00E+00
TEENAGE	MEAT ING	1.68E-04	2.67E-03	4.77E-04	4.77E-04	3.98E-04	0.00E+00
TEENAGE	MILK ING	2.59E-04	5.12E-03	4.62E-04	4.62E-04	4.10E-04	0.00E+00
TEENAGE	TOTALS	2.33E-03	3.41E-02	4.90E-03	4.17E-03	3.70E-03	3.65E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.32E-04	1.23E-03	6.42E-04	4.10E-05	2.90E-05	0.00E+00
ADULT	GROUND	3.65E-04	3.65E-04	3.65E-04	3.65E-04	3.65E-04	3.65E-04
ADULT	CLOUD	8.13E-12	8.13E-12	8.13E-12	8.13E-12	8.13E-12	8.13E-12
ADULT	VEG. ING	7.58E-04	9.80E-03	1.84E-03	1.84E-03	1.57E-03	0.00E+00
ADULT	MEAT ING	1.25E-04	1.51E-03	3.94E-04	3.94E-04	3.23E-04	0.00E+00
ADULT	MILK ING	5.19E-05	7.48E-04	1.15E-04	1.15E-04	9.83E-05	0.00E+00
ADULT	TOTALS	1.43E-03	1.37E-02	3.35E-03	2.75E-03	2.39E-03	3.65E-04



TIME STEP NUMBER 8, YS -  
 NUMBER 2 NAME-Restricted Area Boun X= 0.0KM, Y= 0.3KM, Z= 6.9M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.72E+00	5.56E+00	1.86E+01	1.12E+00	8.94E-01	0.00E+00
INFANT	GROUND	1.91E+00	1.91E+00	1.91E+00	1.91E+00	1.91E+00	1.91E+00
INFANT	CLOUD	4.75E-08	4.75E-08	4.75E-08	4.75E-08	4.75E-08	4.75E-08
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.70E+00	1.80E+01	1.25E+01	1.25E+01	1.23E+01	0.00E+00
INFANT	TOTALS	1.03E+01	2.54E+01	3.30E+01	1.56E+01	1.51E+01	1.91E+00
CHILD	INHAL.	1.29E+00	4.69E+00	8.66E+00	4.52E-01	3.06E-01	0.00E+00
CHILD	GROUND	1.91E+00	1.91E+00	1.91E+00	1.91E+00	1.91E+00	1.91E+00
CHILD	CLOUD	4.75E-08	4.75E-08	4.75E-08	4.75E-08	4.75E-08	4.75E-08
CHILD	VEG. ING	3.35E+00	1.83E+01	1.30E+01	1.30E+01	1.04E+01	0.00E+00
CHILD	MEAT ING	4.33E-01	2.11E+00	2.17E+00	2.17E+00	1.60E+00	0.00E+00
CHILD	MILK ING	7.69E-01	4.81E+00	2.87E+00	2.87E+00	2.27E+00	0.00E+00
CHILD	TOTALS	7.75E+00	3.19E+01	2.86E+01	2.04E+01	1.65E+01	1.91E+00
TEENAGE	INHAL.	7.75E-01	5.20E+00	4.48E+00	1.97E-01	1.54E-01	0.00E+00
TEENAGE	GROUND	1.91E+00	1.91E+00	1.91E+00	1.91E+00	1.91E+00	1.91E+00
TEENAGE	CLOUD	4.75E-08	4.75E-08	4.75E-08	4.75E-08	4.75E-08	4.75E-08
TEENAGE	VEG. ING	5.63E+00	1.00E+02	1.12E+01	1.12E+01	1.04E+01	0.00E+00
TEENAGE	MEAT ING	6.70E-01	1.07E+01	1.89E+00	1.89E+00	1.59E+00	0.00E+00
TEENAGE	MILK ING	1.04E+00	2.07E+01	1.84E+00	1.84E+00	1.71E+00	0.00E+00
TEENAGE	TOTALS	1.00E+01	1.39E+02	2.13E+01	1.70E+01	1.58E+01	1.91E+00
ADULT	INHAL.	6.62E-01	4.88E+00	3.70E+00	1.63E-01	1.18E-01	0.00E+00
ADULT	GROUND	1.91E+00	1.91E+00	1.91E+00	1.91E+00	1.91E+00	1.91E+00
ADULT	CLOUD	4.75E-08	4.75E-08	4.75E-08	4.75E-08	4.75E-08	4.75E-08
ADULT	VEG. ING	3.06E+00	3.97E+01	7.30E+00	7.30E+00	6.54E+00	0.00E+00
ADULT	MEAT ING	4.96E-01	6.03E+00	1.57E+00	1.57E+00	1.29E+00	0.00E+00
ADULT	MILK ING	2.09E-01	3.01E+00	4.56E-01	4.56E-01	4.07E-01	0.00E+00
ADULT	TOTALS	6.34E+00	5.55E+01	1.49E+01	1.14E+01	1.03E+01	1.91E+00

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 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.41E+00	5.56E+00	1.86E+01	1.13E+00	8.96E-01	6.15E+01
INFANT	GROUND	5.92E+01	5.92E+01	5.92E+01	5.92E+01	5.92E+01	5.92E+01
INFANT	CLOUD	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.70E+00	1.80E+01	1.25E+01	1.25E+01	1.23E+01	0.00E+00
INFANT	TOTALS	7.14E+01	8.28E+01	9.04E+01	7.29E+01	7.25E+01	1.21E+02
CHILD	INHAL.	4.98E+00	4.69E+00	8.66E+00	4.55E-01	3.07E-01	6.15E+01
CHILD	GROUND	5.92E+01	5.92E+01	5.92E+01	5.92E+01	5.92E+01	5.92E+01
CHILD	CLOUD	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02
CHILD	VEG. ING	3.35E+00	1.83E+01	1.30E+01	1.30E+01	1.04E+01	0.00E+00
CHILD	MEAT ING	4.33E-01	2.11E+00	2.17E+00	2.17E+00	1.60E+00	0.00E+00
CHILD	MILK ING	7.69E-01	4.81E+00	2.87E+00	2.87E+00	2.27E+00	0.00E+00
CHILD	TOTALS	6.88E+01	8.92E+01	8.59E+01	7.77E+01	7.39E+01	1.21E+02
TEENAGE	INHAL.	4.47E+00	5.21E+00	4.48E+00	1.98E-01	1.54E-01	6.15E+01
TEENAGE	GROUND	5.92E+01	5.92E+01	5.92E+01	5.92E+01	5.92E+01	5.92E+01
TEENAGE	CLOUD	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02
TEENAGE	VEG. ING	5.63E+00	1.00E+02	1.12E+01	1.12E+01	1.04E+01	0.00E+00
TEENAGE	MEAT ING	6.70E-01	1.07E+01	1.89E+00	1.89E+00	1.59E+00	0.00E+00
TEENAGE	MILK ING	1.04E+00	2.07E+01	1.84E+00	1.84E+00	1.71E+00	0.00E+00
TEENAGE	TOTALS	7.11E+01	1.96E+02	7.87E+01	7.44E+01	7.31E+01	1.21E+02
ADULT	INHAL.	4.35E+00	4.88E+00	3.70E+00	1.64E-01	1.18E-01	6.15E+01
ADULT	GROUND	5.92E+01	5.92E+01	5.92E+01	5.92E+01	5.92E+01	5.92E+01
ADULT	CLOUD	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02	6.24E-02
ADULT	VEG. ING	3.06E+00	3.97E+01	7.30E+00	7.30E+00	6.54E+00	0.00E+00
ADULT	MEAT ING	4.96E-01	6.03E+00	1.57E+00	1.57E+00	1.29E+00	0.00E+00
ADULT	MILK ING	2.09E-01	3.01E+00	4.56E-01	4.56E-01	4.07E-01	0.00E+00
ADULT	TOTALS	6.74E+01	1.13E+02	7.23E+01	6.87E+01	6.76E+01	1.21E+02

NUMBER 3 NAME=Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.64E-01	4.78E-01	1.02E+00	9.69E-02	7.60E-02	0.00E+00
INFANT	GROUND	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01
INFANT	CLOUD	2.48E-09	2.48E-09	2.48E-09	2.48E-09	2.48E-09	2.48E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.63E-01	1.47E+00	1.08E+00	1.08E+00	9.73E-01	0.00E+00
INFANT	TOTALS	7.43E-01	2.06E+00	2.22E+00	1.29E+00	1.17E+00	1.16E-01
CHILD	INHAL.	7.70E-02	4.04E-01	4.64E-01	3.91E-02	2.60E-02	0.00E+00
CHILD	GROUND	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01
CHILD	CLOUD	2.48E-09	2.48E-09	2.48E-09	2.48E-09	2.48E-09	2.48E-09
CHILD	VEG. ING	2.80E-01	1.54E+00	1.12E+00	1.12E+00	8.48E-01	0.00E+00
CHILD	MEAT ING	3.72E-02	1.82E-01	1.87E-01	1.87E-01	1.38E-01	0.00E+00
CHILD	MILK ING	6.45E-02	4.07E-01	2.47E-01	2.47E-01	1.86E-01	0.00E+00
CHILD	TOTALS	5.75E-01	2.65E+00	2.14E+00	1.71E+00	1.31E+00	1.16E-01
TEENAGE	INHAL.	4.92E-02	4.48E-01	2.39E-01	1.70E-02	1.30E-02	0.00E+00
TEENAGE	GROUND	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01
TEENAGE	CLOUD	2.48E-09	2.48E-09	2.48E-09	2.48E-09	2.48E-09	2.48E-09
TEENAGE	VEG. ING	4.74E-01	8.41E+00	9.67E-01	9.67E-01	8.44E-01	0.00E+00
TEENAGE	MEAT ING	5.77E-02	9.16E-01	1.64E-01	1.64E-01	1.36E-01	0.00E+00
TEENAGE	MILK ING	8.85E-02	1.75E+00	1.58E-01	1.58E-01	1.39E-01	0.00E+00
TEENAGE	TOTALS	7.86E-01	1.16E+01	1.64E+00	1.42E+00	1.25E+00	1.16E-01
ADULT	INHAL.	4.24E-02	4.21E-01	1.97E-01	1.41E-02	9.91E-03	0.00E+00
ADULT	GROUND	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01
ADULT	CLOUD	2.48E-09	2.48E-09	2.48E-09	2.48E-09	2.48E-09	2.48E-09
ADULT	VEG. ING	2.59E-01	3.35E+00	6.30E-01	6.30E-01	5.34E-01	0.00E+00
ADULT	MEAT ING	4.28E-02	5.19E-01	1.35E-01	1.35E-01	1.11E-01	0.00E+00
ADULT	MILK ING	1.78E-02	2.56E-01	3.94E-02	3.94E-02	3.34E-02	0.00E+00
ADULT	TOTALS	4.78E-01	4.66E+00	1.12E+00	9.35E-01	8.04E-01	1.16E-01



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 382  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 8, YS = DURATION IN YRS IS... 3.0  
 NUMBER 3 NAME-Restricted Area Boun X= 0.0KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.03E+00	4.79E-01	1.02E+00	1.01E-01	7.76E-02	3.11E+01
INFANT	GROUND	5.07E+00	5.07E+00	5.07E+00	5.07E+00	5.07E+00	5.07E+00
INFANT	CLOUD	3.54E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.63E-01	1.47E+00	1.08E+00	1.08E+00	9.74E-01	0.00E+00
INFANT	TOTALS	7.59E+00	7.05E+00	7.20E+00	6.28E+00	6.15E+00	3.62E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.94E+00	4.04E-01	4.64E-01	4.09E-02	2.67E-02	3.11E+01
CHILD	GROUND	5.07E+00	5.07E+00	5.07E+00	5.07E+00	5.07E+00	5.07E+00
CHILD	CLOUD	3.54E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
CHILD	VEG. ING	2.81E-01	1.54E+00	1.12E+00	1.12E+00	8.49E-01	0.00E+00
CHILD	MEAT ING	3.73E-02	1.82E-01	1.87E-01	1.87E-01	1.38E-01	0.00E+00
CHILD	MILK ING	6.45E-02	4.07E-01	2.48E-01	2.48E-01	1.86E-01	0.00E+00
CHILD	TOTALS	7.43E+00	7.64E+00	7.12E+00	6.70E+00	6.30E+00	3.62E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.91E+00	4.50E-01	2.39E-01	1.78E-02	1.34E-02	3.11E+01
TEENAGE	GROUND	5.07E+00	5.07E+00	5.07E+00	5.07E+00	5.07E+00	5.07E+00
TEENAGE	CLOUD	3.54E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
TEENAGE	VEG. ING	4.75E-01	8.41E+00	9.68E-01	9.68E-01	8.45E-01	0.00E+00
TEENAGE	MEAT ING	5.77E-02	9.17E-01	1.64E-01	1.64E-01	1.37E-01	0.00E+00
TEENAGE	MILK ING	8.85E-02	1.75E+00	1.59E-01	1.59E-01	1.39E-01	0.00E+00
TEENAGE	TOTALS	7.64E+00	1.66E+01	6.63E+00	6.41E+00	6.24E+00	3.62E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.91E+00	4.22E-01	1.97E-01	1.47E-02	1.02E-02	3.11E+01
ADULT	GROUND	5.07E+00	5.07E+00	5.07E+00	5.07E+00	5.07E+00	5.07E+00
ADULT	CLOUD	3.54E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
ADULT	VEG. ING	2.59E-01	3.35E+00	6.31E-01	6.31E-01	5.34E-01	0.00E+00
ADULT	MEAT ING	4.28E-02	5.19E-01	1.35E-01	1.35E-01	1.11E-01	0.00E+00
ADULT	MILK ING	1.78E-02	2.56E-01	3.94E-02	3.94E-02	3.34E-02	0.00E+00
ADULT	TOTALS	7.33E+00	9.65E+00	6.10E+00	5.92E+00	5.79E+00	3.62E+01

NUMBER 4 NAME=Restricted Area Boun X= 1.9KM, Y= 0.0KM, Z= -0.8M, DIST= 1.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.30E-01	3.79E-01	8.06E-01	7.67E-02	6.02E-02	0.00E+00
INFANT	GROUND	9.18E-02	9.18E-02	9.18E-02	9.18E-02	9.18E-02	9.18E-02
INFANT	CLOUD	1.96E-09	1.96E-09	1.96E-09	1.96E-09	1.96E-09	1.96E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.66E-01	1.16E+00	8.56E-01	8.56E-01	7.70E-01	0.00E+00
INFANT	TOTALS	5.88E-01	1.63E+00	1.75E+00	1.02E+00	9.22E-01	9.18E-02
CHILD	INHAL.	6.09E-02	3.20E-01	3.67E-01	3.09E-02	2.06E-02	0.00E+00
CHILD	GROUND	9.18E-02	9.18E-02	9.18E-02	9.18E-02	9.18E-02	9.18E-02
CHILD	CLOUD	1.96E-09	1.96E-09	1.96E-09	1.96E-09	1.96E-09	1.96E-09
CHILD	VEG. ING	2.22E-01	1.22E+00	8.89E-01	8.89E-01	6.71E-01	0.00E+00
CHILD	MEAT ING	2.95E-02	1.44E-01	1.48E-01	1.48E-01	1.09E-01	0.00E+00
CHILD	MILK ING	5.11E-02	3.22E-01	1.96E-01	1.96E-01	1.47E-01	0.00E+00
CHILD	TOTALS	4.55E-01	2.10E+00	1.69E+00	1.36E+00	1.04E+00	9.18E-02
TEENAGE	INHAL.	3.89E-02	3.55E-01	1.89E-01	1.35E-02	1.03E-02	0.00E+00
TEENAGE	GROUND	9.18E-02	9.18E-02	9.18E-02	9.18E-02	9.18E-02	9.18E-02
TEENAGE	CLOUD	1.96E-09	1.96E-09	1.96E-09	1.96E-09	1.96E-09	1.96E-09
TEENAGE	VEG. ING	3.76E-01	6.66E+00	7.66E-01	7.66E-01	6.68E-01	0.00E+00
TEENAGE	MEAT ING	4.57E-02	7.26E-01	1.30E-01	1.30E-01	1.08E-01	0.00E+00
TEENAGE	MILK ING	7.01E-02	1.39E+00	1.26E-01	1.26E-01	1.10E-01	0.00E+00
TEENAGE	TOTALS	6.22E-01	9.22E+00	1.30E+00	1.13E+00	9.89E-01	9.18E-02
ADULT	INHAL.	3.35E-02	3.33E-01	1.55E-01	1.11E-02	7.85E-03	0.00E+00
ADULT	GROUND	9.18E-02	9.18E-02	9.18E-02	9.18E-02	9.18E-02	9.18E-02
ADULT	CLOUD	1.96E-09	1.96E-09	1.96E-09	1.96E-09	1.96E-09	1.96E-09
ADULT	VEG. ING	2.05E-01	2.65E+00	4.99E-01	4.99E-01	4.23E-01	0.00E+00
ADULT	MEAT ING	3.39E-02	4.11E-01	1.07E-01	1.07E-01	8.76E-02	0.00E+00
ADULT	MILK ING	1.41E-02	2.03E-01	3.12E-02	3.12E-02	2.65E-02	0.00E+00
ADULT	TOTALS	3.79E-01	3.69E+00	8.85E-01	7.40E-01	6.36E-01	9.18E-02

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.58E+00	3.79E-01	8.06E-01	7.83E-02	6.08E-02	2.41E+01
INFANT	GROUND	4.01E+00	4.01E+00	4.01E+00	4.01E+00	4.01E+00	4.01E+00
INFANT	CLOUD	1.64E-02	1.64E-02	1.64E-02	1.64E-02	1.64E-02	1.64E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.67E-01	1.16E+00	8.57E-01	8.57E-01	7.71E-01	0.00E+00
INFANT	TOTALS	5.97E+00	5.57E+00	5.69E+00	4.96E+00	4.86E+00	2.82E+01
CHILD	INHAL.	1.51E+00	3.20E-01	3.67E-01	3.16E-02	2.08E-02	2.41E+01
CHILD	GROUND	4.01E+00	4.01E+00	4.01E+00	4.01E+00	4.01E+00	4.01E+00
CHILD	CLOUD	1.64E-02	1.64E-02	1.64E-02	1.64E-02	1.64E-02	1.64E-02
CHILD	VEG. ING	2.22E-01	1.22E+00	8.89E-01	8.89E-01	6.72E-01	0.00E+00
CHILD	MEAT ING	2.95E-02	1.44E-01	1.48E-01	1.48E-01	1.09E-01	0.00E+00
CHILD	MILK ING	5.11E-02	3.22E-01	1.96E-01	1.96E-01	1.47E-01	0.00E+00
CHILD	TOTALS	5.84E+00	6.03E+00	5.63E+00	5.29E+00	4.98E+00	2.82E+01
TEENAGE	INHAL.	1.49E+00	3.56E-01	1.89E-01	1.38E-02	1.04E-02	2.41E+01
TEENAGE	GROUND	4.01E+00	4.01E+00	4.01E+00	4.01E+00	4.01E+00	4.01E+00
TEENAGE	CLOUD	1.64E-02	1.64E-02	1.64E-02	1.64E-02	1.64E-02	1.64E-02
TEENAGE	VEG. ING	3.76E-01	6.66E+00	7.66E-01	7.66E-01	6.69E-01	0.00E+00
TEENAGE	MEAT ING	4.57E-02	7.26E-01	1.30E-01	1.30E-01	1.08E-01	0.00E+00
TEENAGE	MILK ING	7.01E-02	1.39E+00	1.26E-01	1.26E-01	1.10E-01	0.00E+00
TEENAGE	TOTALS	6.01E+00	1.32E+01	5.24E+00	5.06E+00	4.93E+00	2.82E+01
ADULT	INHAL.	1.48E+00	3.34E-01	1.55E-01	1.14E-02	7.97E-03	2.41E+01
ADULT	GROUND	4.01E+00	4.01E+00	4.01E+00	4.01E+00	4.01E+00	4.01E+00
ADULT	CLOUD	1.64E-02	1.64E-02	1.64E-02	1.64E-02	1.64E-02	1.64E-02
ADULT	VEG. ING	2.05E-01	2.66E+00	4.99E-01	4.99E-01	4.23E-01	0.00E+00
ADULT	MEAT ING	3.39E-02	4.11E-01	1.07E-01	1.07E-01	8.77E-02	0.00E+00
ADULT	MILK ING	1.41E-02	2.03E-01	3.12E-02	3.12E-02	2.65E-02	0.00E+00
ADULT	TOTALS	5.76E+00	7.63E+00	4.82E+00	4.68E+00	4.57E+00	2.82E+01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 8, YS -

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 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 5 NAME-Restricted Area Boun X= -0.3KM, Y= 0.0KM, Z= -3.8M, DIST= 0.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.07E-01	9.33E-01	2.70E+00	1.89E-01	1.49E-01	0.00E+00
INFANT	GROUND	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01
INFANT	CLOUD	6.81E-09	6.81E-09	6.81E-09	6.81E-09	6.81E-09	6.81E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	9.37E-01	2.96E+00	2.11E+00	2.11E+00	2.01E+00	0.00E+00
INFANT	TOTALS	1.63E+00	4.18E+00	5.09E+00	2.58E+00	2.44E+00	2.86E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.91E-01	7.87E-01	1.25E+00	7.61E-02	5.11E-02	0.00E+00
CHILD	GROUND	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01
CHILD	CLOUD	6.81E-09	6.81E-09	6.81E-09	6.81E-09	6.81E-09	6.81E-09
CHILD	VEG. ING	5.57E-01	3.05E+00	2.19E+00	2.19E+00	1.72E+00	0.00E+00
CHILD	MEAT ING	7.27E-02	3.54E-01	3.64E-01	3.64E-01	2.69E-01	0.00E+00
CHILD	MILK ING	1.28E-01	8.03E-01	4.82E-01	4.82E-01	3.74E-01	0.00E+00
CHILD	TOTALS	1.23E+00	5.28E+00	4.57E+00	3.39E+00	2.70E+00	2.86E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.17E-01	8.74E-01	6.46E-01	3.32E-02	2.56E-02	0.00E+00
TEENAGE	GROUND	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01
TEENAGE	CLOUD	6.81E-09	6.81E-09	6.81E-09	6.81E-09	6.81E-09	6.81E-09
TEENAGE	VEG. ING	9.38E-01	1.67E+01	1.88E+00	1.88E+00	1.71E+00	0.00E+00
TEENAGE	MEAT ING	1.12E-01	1.79E+00	3.19E-01	3.19E-01	2.67E-01	0.00E+00
TEENAGE	MILK ING	1.74E-01	3.46E+00	3.09E-01	3.09E-01	2.81E-01	0.00E+00
TEENAGE	TOTALS	1.63E+00	2.31E+01	3.44E+00	2.83E+00	2.57E+00	2.86E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.01E-01	8.20E-01	5.33E-01	2.74E-02	1.96E-02	0.00E+00
ADULT	GROUND	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01
ADULT	CLOUD	6.81E-09	6.81E-09	6.81E-09	6.81E-09	6.81E-09	6.81E-09
ADULT	VEG. ING	5.11E-01	6.62E+00	1.23E+00	1.23E+00	1.08E+00	0.00E+00
ADULT	MEAT ING	8.34E-02	1.01E+00	2.63E-01	2.63E-01	2.16E-01	0.00E+00
ADULT	MILK ING	3.49E-02	5.03E-01	7.67E-02	7.67E-02	6.72E-02	0.00E+00
ADULT	TOTALS	1.02E+00	9.24E+00	2.39E+00	1.88E+00	1.67E+00	2.86E-01



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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 02/25/94 DURATION IN YRS IS... 3.0

NUMBER 6 NAME-Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.80E-01	2.21E+00	6.53E+00	4.47E-01	3.55E-01	0.00E+00
INFANT	GROUND	6.89E-01	6.89E-01	6.89E-01	6.89E-01	6.89E-01	6.89E-01
INFANT	CLOUD	1.65E-08	1.65E-08	1.65E-08	1.65E-08	1.65E-08	1.65E-08
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.23E+00	7.04E+00	4.99E+00	4.99E+00	4.78E+00	0.00E+00
INFANT	TOTALS	3.90E+00	9.94E+00	1.22E+01	6.13E+00	5.82E+00	6.89E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.62E-01	1.87E+00	3.03E+00	1.80E-01	1.21E-01	0.00E+00
CHILD	GROUND	6.89E-01	6.89E-01	6.89E-01	6.89E-01	6.89E-01	6.89E-01
CHILD	CLOUD	1.65E-08	1.65E-08	1.65E-08	1.65E-08	1.65E-08	1.65E-08
CHILD	VEG. ING	1.32E+00	7.25E+00	5.18E+00	5.18E+00	4.08E+00	0.00E+00
CHILD	MEAT ING	1.72E-01	8.40E-01	8.64E-01	8.64E-01	6.38E-01	0.00E+00
CHILD	MILK ING	3.04E-01	1.91E+00	1.14E+00	1.14E+00	8.90E-01	0.00E+00
CHILD	TOTALS	2.95E+00	1.25E+01	1.09E+01	8.06E+00	6.42E+00	6.89E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.83E-01	2.07E+00	1.57E+00	7.87E-02	6.09E-02	0.00E+00
TEENAGE	GROUND	6.89E-01	6.89E-01	6.89E-01	6.89E-01	6.89E-01	6.89E-01
TEENAGE	CLOUD	1.65E-08	1.65E-08	1.65E-08	1.65E-08	1.65E-08	1.65E-08
TEENAGE	VEG. ING	2.23E+00	3.96E+01	4.47E+00	4.47E+00	4.07E+00	0.00E+00
TEENAGE	MEAT ING	2.67E-01	4.24E+00	7.56E-01	7.56E-01	6.32E-01	0.00E+00
TEENAGE	MILK ING	4.14E-01	8.20E+00	7.32E-01	7.32E-01	6.69E-01	0.00E+00
TEENAGE	TOTALS	3.88E+00	5.49E+01	8.21E+00	6.72E+00	6.12E+00	6.89E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.42E-01	1.95E+00	1.29E+00	6.49E-02	4.65E-02	0.00E+00
ADULT	GROUND	6.89E-01	6.89E-01	6.89E-01	6.89E-01	6.89E-01	6.89E-01
ADULT	CLOUD	1.65E-08	1.65E-08	1.65E-08	1.65E-08	1.65E-08	1.65E-08
ADULT	VEG. ING	1.21E+00	1.57E+01	2.91E+00	2.91E+00	2.56E+00	0.00E+00
ADULT	MEAT ING	1.98E-01	2.40E+00	6.24E-01	6.24E-01	5.13E-01	0.00E+00
ADULT	MILK ING	8.29E-02	1.19E+00	1.82E-01	1.82E-01	1.60E-01	0.00E+00
ADULT	TOTALS	2.42E+00	2.19E+01	5.70E+00	4.47E+00	3.97E+00	6.89E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in

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TIME STEP NUMBER 8, YS =

DURATION IN YRS IS... 3.0

NUMBER 6 NAME=Restricted Area Boun X= 0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCH
INFANT	INHAL.	4.48E+00	2.21E+00	6.53E+00	4.49E-01	3.55E-01	5.84E+01
INFANT	GROUND	2.35E+01	2.35E+01	2.35E+01	2.35E+01	2.35E+01	2.35E+01
INFANT	CLOUD	3.51E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.23E+00	7.04E+00	4.99E+00	4.99E+00	4.78E+00	0.00E+00
INFANT	TOTALS	3.03E+01	3.28E+01	3.51E+01	2.90E+01	2.87E+01	8.19E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCH
CHILD	INHAL.	3.96E+00	1.87E+00	3.03E+00	1.81E-01	1.22E-01	5.84E+01
CHILD	GROUND	2.35E+01	2.35E+01	2.35E+01	2.35E+01	2.35E+01	2.35E+01
CHILD	CLOUD	3.51E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02
CHILD	VEG. ING	1.32E+00	7.25E+00	5.18E+00	5.18E+00	4.08E+00	0.00E+00
CHILD	MEAT ING	1.72E-01	8.40E-01	8.64E-01	8.64E-01	6.38E-01	0.00E+00
CHILD	MILK ING	3.04E-01	1.91E+00	1.14E+00	1.14E+00	8.91E-01	0.00E+00
CHILD	TOTALS	2.93E+01	3.54E+01	3.38E+01	3.09E+01	2.93E+01	8.19E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCH
TEENAGE	INHAL.	3.78E+00	2.07E+00	1.57E+00	7.91E-02	6.11E-02	5.84E+01
TEENAGE	GROUND	2.35E+01	2.35E+01	2.35E+01	2.35E+01	2.35E+01	2.35E+01
TEENAGE	CLOUD	3.51E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02
TEENAGE	VEG. ING	2.23E+00	3.96E+01	4.47E+00	4.47E+00	4.07E+00	0.00E+00
TEENAGE	MEAT ING	2.67E-01	4.24E+00	7.56E-01	7.56E-01	6.33E-01	0.00E+00
TEENAGE	MILK ING	4.14E-01	8.20E+00	7.32E-01	7.32E-01	6.69E-01	0.00E+00
TEENAGE	TOTALS	3.03E+01	7.77E+01	3.11E+01	2.96E+01	2.90E+01	8.19E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCH
ADULT	INHAL.	3.74E+00	1.95E+00	1.29E+00	6.53E-02	4.67E-02	5.84E+01
ADULT	GROUND	2.35E+01	2.35E+01	2.35E+01	2.35E+01	2.35E+01	2.35E+01
ADULT	CLOUD	3.51E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02
ADULT	VEG. ING	1.21E+00	1.57E+01	2.91E+00	2.91E+00	2.56E+00	0.00E+00
ADULT	MEAT ING	1.98E-01	2.40E+00	6.24E-01	6.24E-01	5.13E-01	0.00E+00
ADULT	MILK ING	8.29E-02	1.19E+00	1.82E-01	1.82E-01	1.60E-01	0.00E+00
ADULT	TOTALS	2.88E+01	4.48E+01	2.86E+01	2.73E+01	2.68E+01	8.19E+01



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 8, YS -

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 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 7 NAME=Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.95E-01	5.78E-01	1.20E+00	1.17E-01	9.18E-02	0.00E+00
INFANT	GROUND	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01
INFANT	CLOUD	2.91E-09	2.91E-09	2.91E-09	2.91E-09	2.91E-09	2.91E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.58E-01	1.77E+00	1.31E+00	1.31E+00	1.17E+00	0.00E+00
INFANT	TOTALS	8.90E-01	2.49E+00	2.65E+00	1.56E+00	1.40E+00	1.38E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.13E-02	4.88E-01	5.47E-01	4.72E-02	3.13E-02	0.00E+00
CHILD	GROUND	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01
CHILD	CLOUD	2.91E-09	2.91E-09	2.91E-09	2.91E-09	2.91E-09	2.91E-09
CHILD	VEG. ING	3.38E-01	1.86E+00	1.36E+00	1.36E+00	1.02E+00	0.00E+00
CHILD	MEAT ING	4.50E-02	2.19E-01	2.26E-01	2.26E-01	1.66E-01	0.00E+00
CHILD	MILK ING	7.79E-02	4.91E-01	2.99E-01	2.99E-01	2.24E-01	0.00E+00
CHILD	TOTALS	6.90E-01	3.20E+00	2.57E+00	2.07E+00	1.58E+00	1.38E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.86E-02	5.42E-01	2.81E-01	2.06E-02	1.57E-02	0.00E+00
TEENAGE	GROUND	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01
TEENAGE	CLOUD	2.91E-09	2.91E-09	2.91E-09	2.91E-09	2.91E-09	2.91E-09
TEENAGE	VEG. ING	5.73E-01	1.02E+01	1.17E+00	1.17E+00	1.02E+00	0.00E+00
TEENAGE	MEAT ING	6.97E-02	1.11E+00	1.98E-01	1.98E-01	1.65E-01	0.00E+00
TEENAGE	MILK ING	1.07E-01	2.11E+00	1.92E-01	1.92E-01	1.68E-01	0.00E+00
TEENAGE	TOTALS	9.46E-01	1.41E+01	1.98E+00	1.72E+00	1.50E+00	1.38E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.05E-02	5.09E-01	2.31E-01	1.70E-02	1.20E-02	0.00E+00
ADULT	GROUND	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01
ADULT	CLOUD	2.91E-09	2.91E-09	2.91E-09	2.91E-09	2.91E-09	2.91E-09
ADULT	VEG. ING	3.13E-01	4.05E+00	7.62E-01	7.62E-01	6.44E-01	0.00E+00
ADULT	MEAT ING	5.17E-02	6.27E-01	1.63E-01	1.63E-01	1.34E-01	0.00E+00
ADULT	MILK ING	2.15E-02	3.09E-01	4.76E-02	4.76E-02	4.03E-02	0.00E+00
ADULT	TOTALS	5.74E-01	5.63E+00	1.34E+00	1.13E+00	9.67E-01	1.38E-01



REGION: Sweetwater Uranium Facility      CODE: MILDOS-AREA (03/89)      PAGE 390  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 8, YS -      DURATION IN YRS IS... 3.0  
 NUMBER 7 NAME=Restricted Area Boun X= 0.2KM, Y= -0.2KM, Z= -0.8M, DIST= 0.2KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.58E+00	5.79E-01	1.20E+00	1.21E-01	9.32E-02	3.97E+01
INFANT	GROUND	6.12E+00	6.12E+00	6.12E+00	6.12E+00	6.12E+00	6.12E+00
INFANT	CLOUD	3.78E-02	3.78E-02	3.78E-02	3.78E-02	3.78E-02	3.78E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.58E-01	1.77E+00	1.31E+00	1.31E+00	1.17E+00	0.00E+00
INFANT	TOTALS	9.29E+00	8.51E+00	8.67E+00	7.59E+00	7.42E+00	4.58E+01
CHILD	INHAL.	2.47E+00	4.88E-01	5.47E-01	4.88E-02	3.20E-02	3.97E+01
CHILD	GROUND	6.12E+00	6.12E+00	6.12E+00	6.12E+00	6.12E+00	6.12E+00
CHILD	CLOUD	3.78E-02	3.78E-02	3.78E-02	3.78E-02	3.78E-02	3.78E-02
CHILD	VEG. ING	3.39E-01	1.86E+00	1.36E+00	1.36E+00	1.02E+00	0.00E+00
CHILD	MEAT ING	4.50E-02	2.19E-01	2.26E-01	2.26E-01	1.66E-01	0.00E+00
CHILD	MILK ING	7.79E-02	4.91E-01	2.99E-01	2.99E-01	2.24E-01	0.00E+00
CHILD	TOTALS	9.09E+00	9.22E+00	8.59E+00	8.09E+00	7.60E+00	4.58E+01
TEENAGE	INHAL.	2.44E+00	5.43E-01	2.81E-01	2.13E-02	1.60E-02	3.97E+01
TEENAGE	GROUND	6.12E+00	6.12E+00	6.12E+00	6.12E+00	6.12E+00	6.12E+00
TEENAGE	CLOUD	3.78E-02	3.78E-02	3.78E-02	3.78E-02	3.78E-02	3.78E-02
TEENAGE	VEG. ING	5.73E-01	1.02E+01	1.17E+00	1.17E+00	1.02E+00	0.00E+00
TEENAGE	MEAT ING	6.97E-02	1.11E+00	1.98E-01	1.98E-01	1.65E-01	0.00E+00
TEENAGE	MILK ING	1.07E-01	2.11E+00	1.92E-01	1.92E-01	1.68E-01	0.00E+00
TEENAGE	TOTALS	9.35E+00	2.01E+01	8.00E+00	7.74E+00	7.53E+00	4.58E+01
ADULT	INHAL.	2.43E+00	5.09E-01	2.31E-01	1.76E-02	1.22E-02	3.97E+01
ADULT	GROUND	6.12E+00	6.12E+00	6.12E+00	6.12E+00	6.12E+00	6.12E+00
ADULT	CLOUD	3.78E-02	3.78E-02	3.78E-02	3.78E-02	3.78E-02	3.78E-02
ADULT	VEG. ING	3.13E-01	4.05E+00	7.62E-01	7.62E-01	6.44E-01	0.00E+00
ADULT	MEAT ING	5.17E-02	6.28E-01	1.64E-01	1.64E-01	1.34E-01	0.00E+00
ADULT	MILK ING	2.15E-02	3.09E-01	4.76E-02	4.76E-02	4.03E-02	0.00E+00
ADULT	TOTALS	8.98E+00	1.17E+01	7.36E+00	7.15E+00	6.99E+00	4.58E+01

NUMBER 8 NAME=Restricted Area Boun X= -0.2KM, Y= -0.2KM, Z= -3.8M, DIST= 0.2KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.85E-01	6.93E-01	1.87E+00	1.40E-01	1.11E-01	0.00E+00
INFANT	GROUND	2.01E-01	2.01E-01	2.01E-01	2.01E-01	2.01E-01	2.01E-01
INFANT	CLOUD	4.67E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.90E-01	2.18E+00	1.57E+00	1.57E+00	1.47E+00	0.00E+00
INFANT	TOTALS	1.18E+00	3.08E+00	3.63E+00	1.91E+00	1.78E+00	2.01E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.34E-01	5.85E-01	8.61E-01	5.66E-02	3.79E-02	0.00E+00
CHILD	GROUND	2.01E-01	2.01E-01	2.01E-01	2.01E-01	2.01E-01	2.01E-01
CHILD	CLOUD	4.67E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09
CHILD	VEG. ING	4.12E-01	2.26E+00	1.63E+00	1.63E+00	1.26E+00	0.00E+00
CHILD	MEAT ING	5.40E-02	2.63E-01	2.71E-01	2.71E-01	2.00E-01	0.00E+00
CHILD	MILK ING	9.46E-02	5.95E-01	3.58E-01	3.58E-01	2.76E-01	0.00E+00
CHILD	TOTALS	8.95E-01	3.90E+00	3.32E+00	2.51E+00	1.98E+00	2.01E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.31E-02	6.50E-01	4.45E-01	2.47E-02	1.90E-02	0.00E+00
TEENAGE	GROUND	2.01E-01	2.01E-01	2.01E-01	2.01E-01	2.01E-01	2.01E-01
TEENAGE	CLOUD	4.67E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09
TEENAGE	VEG. ING	6.95E-01	1.23E+01	1.40E+00	1.40E+00	1.26E+00	0.00E+00
TEENAGE	MEAT ING	8.36E-02	1.33E+00	2.37E-01	2.37E-01	1.98E-01	0.00E+00
TEENAGE	MILK ING	1.29E-01	2.56E+00	2.29E-01	2.29E-01	2.07E-01	0.00E+00
TEENAGE	TOTALS	1.19E+00	1.71E+01	2.51E+00	2.09E+00	1.88E+00	2.01E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.12E-02	6.10E-01	3.67E-01	2.04E-02	1.45E-02	0.00E+00
ADULT	GROUND	2.01E-01	2.01E-01	2.01E-01	2.01E-01	2.01E-01	2.01E-01
ADULT	CLOUD	4.67E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09
ADULT	VEG. ING	3.79E-01	4.90E+00	9.13E-01	9.13E-01	7.93E-01	0.00E+00
ADULT	MEAT ING	6.20E-02	7.52E-01	1.96E-01	1.96E-01	1.61E-01	0.00E+00
ADULT	MILK ING	2.59E-02	3.73E-01	5.70E-02	5.70E-02	4.95E-02	0.00E+00
ADULT	TOTALS	7.39E-01	6.84E+00	1.73E+00	1.39E+00	1.22E+00	2.01E-01



REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater NY DATA: 40cfr.in

PAGE 393  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 9 NAME=Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	8.25E-01	1.77E+00	5.57E+00	3.58E-01	2.85E-01	0.00E+00
INFANT	GROUND	5.79E-01	5.79E-01	5.79E-01	5.79E-01	5.79E-01	5.79E-01
INFANT	CLOUD	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.80E+00	5.69E+00	4.00E+00	4.00E+00	3.88E+00	0.00E+00
INFANT	TOTALS	3.21E+00	8.04E+00	1.01E+01	4.94E+00	4.74E+00	5.79E-01
CHILD	INHAL.	3.89E-01	1.50E+00	2.59E+00	1.45E-01	9.75E-02	0.00E+00
CHILD	GROUND	5.79E-01	5.79E-01	5.79E-01	5.79E-01	5.79E-01	5.79E-01
CHILD	CLOUD	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08
CHILD	VEG. ING	1.07E+00	5.83E+00	4.15E+00	4.15E+00	3.30E+00	0.00E+00
CHILD	MEAT ING	1.38E-01	6.73E-01	6.92E-01	6.92E-01	5.11E-01	0.00E+00
CHILD	MILK ING	2.44E-01	1.53E+00	9.15E-01	9.15E-01	7.19E-01	0.00E+00
CHILD	TOTALS	2.42E+00	1.01E+01	8.93E+00	6.48E+00	5.21E+00	5.79E-01
TEENAGE	INHAL.	2.36E-01	1.66E+00	1.34E+00	6.30E-02	4.89E-02	0.00E+00
TEENAGE	GROUND	5.79E-01	5.79E-01	5.79E-01	5.79E-01	5.79E-01	5.79E-01
TEENAGE	CLOUD	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08
TEENAGE	VEG. ING	1.79E+00	3.19E+01	3.58E+00	3.58E+00	3.29E+00	0.00E+00
TEENAGE	MEAT ING	2.14E-01	3.40E+00	6.05E-01	6.05E-01	5.07E-01	0.00E+00
TEENAGE	MILK ING	3.32E-01	6.59E+00	5.86E-01	5.86E-01	5.40E-01	0.00E+00
TEENAGE	TOTALS	3.15E+00	4.41E+01	6.69E+00	5.41E+00	4.97E+00	5.79E-01
ADULT	INHAL.	2.02E-01	1.56E+00	1.10E+00	5.20E-02	3.74E-02	0.00E+00
ADULT	GROUND	5.79E-01	5.79E-01	5.79E-01	5.79E-01	5.79E-01	5.79E-01
ADULT	CLOUD	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08
ADULT	VEG. ING	9.75E-01	1.26E+01	2.33E+00	2.33E+00	2.07E+00	0.00E+00
ADULT	MEAT ING	1.58E-01	1.92E+00	5.00E-01	5.00E-01	4.11E-01	0.00E+00
ADULT	MILK ING	6.66E-02	9.59E-01	1.46E-01	1.46E-01	1.29E-01	0.00E+00
ADULT	TOTALS	1.98E+00	1.76E+01	4.66E+00	3.61E+00	3.23E+00	5.79E-01

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 394  
 METSET: Sweetwater NY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 8, YS -      DURATION IN YRS IS... 3.0  
 NUMBER 9 NAME=Restricted Area Boun X= -0.3KM, Y= 0.3KM, Z= 0.8M, DIST= 0.4KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.02E+00	1.77E+00	5.57E+00	3.65E-01	2.87E-01	3.65E+01
INFANT	GROUND	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.89E+01
INFANT	CLOUD	5.21E-02	5.21E-02	5.21E-02	5.21E-02	5.21E-02	5.21E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.80E+00	5.69E+00	4.00E+00	4.00E+00	3.88E+00	0.00E+00
INFANT	TOTALS	2.37E+01	2.64E+01	2.85E+01	2.33E+01	2.31E+01	5.54E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.58E+00	1.50E+00	2.59E+00	1.47E-01	9.88E-02	3.65E+01
CHILD	GROUND	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.89E+01
CHILD	CLOUD	5.21E-02	5.21E-02	5.21E-02	5.21E-02	5.21E-02	5.21E-02
CHILD	VEG. ING	1.07E+00	5.83E+00	4.15E+00	4.15E+00	3.30E+00	0.00E+00
CHILD	MEAT ING	1.38E-01	6.73E-01	6.92E-01	6.92E-01	5.12E-01	0.00E+00
CHILD	MILK ING	2.44E-01	1.53E+00	9.15E-01	9.15E-01	7.20E-01	0.00E+00
CHILD	TOTALS	2.30E+01	2.85E+01	2.73E+01	2.48E+01	2.36E+01	5.54E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.43E+00	1.66E+00	1.34E+00	6.43E-02	4.95E-02	3.65E+01
TEENAGE	GROUND	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.89E+01
TEENAGE	CLOUD	5.21E-02	5.21E-02	5.21E-02	5.21E-02	5.21E-02	5.21E-02
TEENAGE	VEG. ING	1.79E+00	3.19E+01	3.58E+00	3.58E+00	3.29E+00	0.00E+00
TEENAGE	MEAT ING	2.14E-01	3.40E+00	6.05E-01	6.05E-01	5.07E-01	0.00E+00
TEENAGE	MILK ING	3.32E-01	6.59E+00	5.86E-01	5.86E-01	5.40E-01	0.00E+00
TEENAGE	TOTALS	2.37E+01	6.25E+01	2.50E+01	2.38E+01	2.33E+01	5.54E+01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.39E+00	1.56E+00	1.10E+00	5.31E-02	3.79E-02	3.65E+01
ADULT	GROUND	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.89E+01
ADULT	CLOUD	5.21E-02	5.21E-02	5.21E-02	5.21E-02	5.21E-02	5.21E-02
ADULT	VEG. ING	9.75E-01	1.26E+01	2.33E+00	2.33E+00	2.07E+00	0.00E+00
ADULT	MEAT ING	1.58E-01	1.92E+00	5.00E-01	5.00E-01	4.11E-01	0.00E+00
ADULT	MILK ING	6.66E-02	9.60E-01	1.46E-01	1.46E-01	1.29E-01	0.00E+00
ADULT	TOTALS	2.25E+01	3.60E+01	2.30E+01	2.20E+01	2.16E+01	5.54E+01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 8, YS -

PAGE 395  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 10 NAME=Bailroil X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.14E-04	1.39E-03	3.27E-03	2.81E-04	2.21E-04	0.00E+00
INFANT	GROUND	3.63E-04	3.63E-04	3.63E-04	3.63E-04	3.63E-04	3.63E-04
INFANT	CLOUD	8.05E-12	8.05E-12	8.05E-12	8.05E-12	8.05E-12	8.05E-12
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.36E-03	4.30E-03	3.14E-03	3.14E-03	2.87E-03	0.00E+00
INFANT	TOTALS	2.24E-03	6.05E-03	6.77E-03	3.78E-03	3.45E-03	3.63E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.41E-04	1.17E-03	1.50E-03	1.13E-04	7.55E-05	0.00E+00
CHILD	GROUND	3.63E-04	3.63E-04	3.63E-04	3.63E-04	3.63E-04	3.63E-04
CHILD	CLOUD	8.05E-12	8.05E-12	8.05E-12	8.05E-12	8.05E-12	8.05E-12
CHILD	VEG. ING	8.18E-04	4.49E-03	3.26E-03	3.26E-03	2.49E-03	0.00E+00
CHILD	MEAT ING	1.08E-04	5.27E-04	5.43E-04	5.43E-04	4.00E-04	0.00E+00
CHILD	MILK ING	1.88E-04	1.18E-03	7.18E-04	7.18E-04	5.44E-04	0.00E+00
CHILD	TOTALS	1.72E-03	7.73E-03	6.38E-03	4.99E-03	3.87E-03	3.63E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.52E-04	1.30E-03	7.72E-04	4.94E-05	3.78E-05	0.00E+00
TEENAGE	GROUND	3.63E-04	3.63E-04	3.63E-04	3.63E-04	3.63E-04	3.63E-04
TEENAGE	CLOUD	8.05E-12	8.05E-12	8.05E-12	8.05E-12	8.05E-12	8.05E-12
TEENAGE	VEG. ING	1.38E-03	2.45E-02	2.80E-03	2.80E-03	2.48E-03	0.00E+00
TEENAGE	MEAT ING	1.67E-04	2.66E-03	4.75E-04	4.75E-04	3.96E-04	0.00E+00
TEENAGE	MILK ING	2.57E-04	5.10E-03	4.60E-04	4.60E-04	4.08E-04	0.00E+00
TEENAGE	TOTALS	2.32E-03	3.39E-02	4.87E-03	4.15E-03	3.68E-03	3.63E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.31E-04	1.22E-03	6.36E-04	4.08E-05	2.89E-05	0.00E+00
ADULT	GROUND	3.63E-04	3.63E-04	3.63E-04	3.63E-04	3.63E-04	3.63E-04
ADULT	CLOUD	8.05E-12	8.05E-12	8.05E-12	8.05E-12	8.05E-12	8.05E-12
ADULT	VEG. ING	7.55E-04	9.76E-03	1.83E-03	1.83E-03	1.56E-03	0.00E+00
ADULT	MEAT ING	1.24E-04	1.51E-03	3.92E-04	3.92E-04	3.21E-04	0.00E+00
ADULT	MILK ING	5.17E-05	7.45E-04	1.14E-04	1.14E-04	9.79E-05	0.00E+00
ADULT	TOTALS	1.42E-03	1.36E-02	3.33E-03	2.74E-03	2.38E-03	3.63E-04

REGION: Sweetwater Uranium Facil      CODE: MILDOS-AREA (03/89)      PAGE 396  
 METSET: Sweetwater WY      DATA: 40cfr.in      02/25/94  
 TIME STEP NUMBER 8, YS -      DURATION IN YRS IS... 3.0

NUMBER 10 NAME=Bailroil      X= 28.6KM, Y= 21.6KM, Z= 107.4M, DIST= 35.8KM, IRTYPE=10

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 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.80E-02	6.91E-03	3.83E-03	2.90E-02	1.14E-02	4.28E-01
INFANT	GROUND	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02
INFANT	CLOUD	3.58E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.82E-03	7.20E-03	8.50E-03	8.50E-03	7.60E-03	0.00E+00
INFANT	TOTALS	4.92E-02	3.25E-02	3.08E-02	5.59E-02	3.74E-02	4.46E-01
CHILD	INHAL.	2.68E-02	5.36E-03	1.76E-03	1.29E-02	5.33E-03	4.28E-01
CHILD	GROUND	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02
CHILD	CLOUD	3.58E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03
CHILD	VEG. ING	2.14E-03	1.05E-02	1.03E-02	1.03E-02	7.65E-03	0.00E+00
CHILD	MEAT ING	2.93E-04	1.36E-03	1.53E-03	1.53E-03	1.12E-03	0.00E+00
CHILD	MILK ING	4.23E-04	2.25E-03	1.97E-03	1.97E-03	1.47E-03	0.00E+00
CHILD	TOTALS	4.81E-02	3.79E-02	3.40E-02	4.51E-02	3.40E-02	4.46E-01
TEENAGE	INHAL.	2.67E-02	1.16E-02	8.84E-04	5.51E-03	2.66E-03	4.28E-01
TEENAGE	GROUND	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02
TEENAGE	CLOUD	3.58E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03
TEENAGE	VEG. ING	3.33E-03	5.32E-02	9.00E-03	9.00E-03	7.60E-03	0.00E+00
TEENAGE	MEAT ING	4.38E-04	6.64E-03	1.34E-03	1.34E-03	1.11E-03	0.00E+00
TEENAGE	MILK ING	5.09E-04	8.79E-03	1.26E-03	1.26E-03	1.07E-03	0.00E+00
TEENAGE	TOTALS	4.94E-02	9.87E-02	3.09E-02	3.55E-02	3.09E-02	4.46E-01
ADULT	INHAL.	2.65E-02	7.29E-03	7.28E-04	4.59E-03	2.22E-03	4.28E-01
ADULT	GROUND	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02	1.49E-02
ADULT	CLOUD	3.58E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03	3.58E-03
ADULT	VEG. ING	1.93E-03	2.34E-02	5.88E-03	5.88E-03	4.86E-03	0.00E+00
ADULT	MEAT ING	3.31E-04	3.90E-03	1.10E-03	1.10E-03	9.01E-04	0.00E+00
ADULT	MILK ING	1.10E-04	1.42E-03	3.14E-04	3.14E-04	2.61E-04	0.00E+00
ADULT	TOTALS	4.74E-02	5.44E-02	2.65E-02	3.03E-02	2.67E-02	4.46E-01

NUMBER 11 NAME=Jeffrey City X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.71E-04	1.25E-03	3.01E-03	2.53E-04	2.00E-04	0.00E+00
INFANT	GROUND	3.32E-04	3.32E-04	3.32E-04	3.32E-04	3.32E-04	3.32E-04
INFANT	CLOUD	7.43E-12	7.43E-12	7.43E-12	7.43E-12	7.43E-12	7.43E-12
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.23E-03	3.89E-03	2.83E-03	2.83E-03	2.60E-03	0.00E+00
INFANT	TOTALS	2.03E-03	5.47E-03	6.17E-03	3.41E-03	3.13E-03	3.32E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.21E-04	1.06E-03	1.38E-03	1.02E-04	6.82E-05	0.00E+00
CHILD	GROUND	3.32E-04	3.32E-04	3.32E-04	3.32E-04	3.32E-04	3.32E-04
CHILD	CLOUD	7.43E-12	7.43E-12	7.43E-12	7.43E-12	7.43E-12	7.43E-12
CHILD	VEG. ING	7.39E-04	4.05E-03	2.94E-03	2.94E-03	2.25E-03	0.00E+00
CHILD	MEAT ING	9.75E-05	4.75E-04	4.90E-04	4.90E-04	3.61E-04	0.00E+00
CHILD	MILK ING	1.70E-04	1.07E-03	6.47E-04	6.47E-04	4.92E-04	0.00E+00
CHILD	TOTALS	1.56E-03	6.99E-03	5.79E-03	4.51E-03	3.50E-03	3.32E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.39E-04	1.17E-03	7.12E-04	4.46E-05	3.42E-05	0.00E+00
TEENAGE	GROUND	3.32E-04	3.32E-04	3.32E-04	3.32E-04	3.32E-04	3.32E-04
TEENAGE	CLOUD	7.43E-12	7.43E-12	7.43E-12	7.43E-12	7.43E-12	7.43E-12
TEENAGE	VEG. ING	1.25E-03	2.22E-02	2.53E-03	2.53E-03	2.24E-03	0.00E+00
TEENAGE	MEAT ING	1.51E-04	2.40E-03	4.28E-04	4.28E-04	3.57E-04	0.00E+00
TEENAGE	MILK ING	2.32E-04	4.60E-03	4.15E-04	4.15E-04	3.69E-04	0.00E+00
TEENAGE	TOTALS	2.10E-03	3.07E-02	4.42E-03	3.75E-03	3.33E-03	3.32E-04
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.19E-04	1.10E-03	5.86E-04	3.68E-05	2.61E-05	0.00E+00
ADULT	GROUND	3.32E-04	3.32E-04	3.32E-04	3.32E-04	3.32E-04	3.32E-04
ADULT	CLOUD	7.43E-12	7.43E-12	7.43E-12	7.43E-12	7.43E-12	7.43E-12
ADULT	VEG. ING	6.81E-04	8.81E-03	1.65E-03	1.65E-03	1.41E-03	0.00E+00
ADULT	MEAT ING	1.12E-04	1.36E-03	3.54E-04	3.54E-04	2.90E-04	0.00E+00
ADULT	MILK ING	4.66E-05	6.72E-04	1.03E-04	1.03E-04	8.85E-05	0.00E+00
ADULT	TOTALS	1.29E-03	1.23E-02	3.02E-03	2.47E-03	2.15E-03	3.32E-04



REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 398  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 8, YS ~    DURATION IN YRS IS... 3.0  
 NUMBER 11 NAME=Jeffrey City    X= 7.0KM, Y= 49.5KM, Z= -75.4M, DIST= 50.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.15E-02	4.61E-03	3.36E-03	1.77E-02	6.97E-03	1.65E-01
INFANT	GROUND	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02
INFANT	CLOUD	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.43E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.09E-03	5.59E-03	5.98E-03	5.98E-03	5.38E-03	0.00E+00
INFANT	TOTALS	2.83E-02	2.50E-02	2.41E-02	3.84E-02	2.71E-02	1.80E-01
CHILD	INHAL.	1.07E-02	3.60E-03	1.54E-03	7.84E-03	3.26E-03	1.65E-01
CHILD	GROUND	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02
CHILD	CLOUD	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.43E-03
CHILD	VEG. ING	1.52E-03	7.58E-03	7.09E-03	7.09E-03	5.30E-03	0.00E+00
CHILD	MEAT ING	2.06E-04	9.66E-04	1.07E-03	1.07E-03	7.85E-04	0.00E+00
CHILD	MILK ING	3.08E-04	1.69E-03	1.38E-03	1.38E-03	1.03E-03	0.00E+00
CHILD	TOTALS	2.75E-02	2.86E-02	2.59E-02	3.22E-02	2.52E-02	1.80E-01
TEENAGE	INHAL.	1.06E-02	7.44E-03	7.82E-04	3.36E-03	1.63E-03	1.65E-01
TEENAGE	GROUND	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02
TEENAGE	CLOUD	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.43E-03
TEENAGE	VEG. ING	2.40E-03	3.91E-02	6.19E-03	6.19E-03	5.27E-03	0.00E+00
TEENAGE	MEAT ING	3.10E-04	4.74E-03	9.33E-04	9.33E-04	7.75E-04	0.00E+00
TEENAGE	MILK ING	3.80E-04	6.77E-03	8.83E-04	8.83E-04	7.57E-04	0.00E+00
TEENAGE	TOTALS	2.85E-02	7.28E-02	2.36E-02	2.61E-02	2.32E-02	1.80E-01
ADULT	INHAL.	1.05E-02	4.79E-03	6.44E-04	2.80E-03	1.35E-03	1.65E-01
ADULT	GROUND	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02	1.34E-02
ADULT	CLOUD	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.43E-03
ADULT	VEG. ING	1.38E-03	1.69E-02	4.04E-03	4.04E-03	3.36E-03	0.00E+00
ADULT	MEAT ING	2.34E-04	2.76E-03	7.71E-04	7.71E-04	6.30E-04	0.00E+00
ADULT	MILK ING	8.08E-05	1.07E-03	2.20E-04	2.20E-04	1.84E-04	0.00E+00
ADULT	TOTALS	2.70E-02	4.03E-02	2.05E-02	2.26E-02	2.03E-02	1.80E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89) PAGE 399  
 METSET: Sweetwater WY DATA: 40cfr.in 02/25/94  
 TIME STEP NUMBER 8, YS = DURATION IN YRS IS... 3.0  
 NUMBER 12 NAME=Rawlins X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.69E-05	2.58E-04	6.18E-04	5.23E-05	4.12E-05	0.00E+00
INFANT	GROUND	6.83E-05	6.83E-05	6.83E-05	6.83E-05	6.83E-05	6.83E-05
INFANT	CLOUD	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.53E-04	8.02E-04	5.84E-04	5.84E-04	5.36E-04	0.00E+00
INFANT	TOTALS	4.18E-04	1.13E-03	1.27E-03	7.04E-04	6.45E-04	6.83E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.55E-05	2.18E-04	2.83E-04	2.11E-05	1.41E-05	0.00E+00
CHILD	GROUND	6.83E-05	6.83E-05	6.83E-05	6.83E-05	6.83E-05	6.83E-05
CHILD	CLOUD	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12
CHILD	VEG. ING	1.52E-04	8.36E-04	6.06E-04	6.06E-04	4.64E-04	0.00E+00
CHILD	MEAT ING	2.01E-05	9.81E-05	1.01E-04	1.01E-04	7.44E-05	0.00E+00
CHILD	MILK ING	3.50E-05	2.21E-04	1.34E-04	1.34E-04	1.01E-04	0.00E+00
CHILD	TOTALS	3.21E-04	1.44E-03	1.19E-03	9.30E-04	7.22E-04	6.83E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.86E-05	2.42E-04	1.46E-04	9.20E-06	7.05E-06	0.00E+00
TEENAGE	GROUND	6.83E-05	6.83E-05	6.83E-05	6.83E-05	6.83E-05	6.83E-05
TEENAGE	CLOUD	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12
TEENAGE	VEG. ING	2.57E-04	4.57E-03	5.22E-04	5.22E-04	4.62E-04	0.00E+00
TEENAGE	MEAT ING	3.12E-05	4.95E-04	8.83E-05	8.83E-05	7.38E-05	0.00E+00
TEENAGE	MILK ING	4.80E-05	9.50E-04	8.56E-05	8.56E-05	7.61E-05	0.00E+00
TEENAGE	TOTALS	4.33E-04	6.33E-03	9.10E-04	7.73E-04	6.87E-04	6.83E-05
AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.46E-05	2.27E-04	1.20E-04	7.59E-06	5.38E-06	0.00E+00
ADULT	GROUND	6.83E-05	6.83E-05	6.83E-05	6.83E-05	6.83E-05	6.83E-05
ADULT	CLOUD	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12	1.52E-12
ADULT	VEG. ING	1.41E-04	1.82E-03	3.40E-04	3.40E-04	2.92E-04	0.00E+00
ADULT	MEAT ING	2.31E-05	2.80E-04	7.30E-05	7.30E-05	5.98E-05	0.00E+00
ADULT	MILK ING	9.62E-06	1.39E-04	2.13E-05	2.13E-05	1.82E-05	0.00E+00
ADULT	TOTALS	2.66E-04	2.53E-03	6.23E-04	5.10E-04	4.43E-04	6.83E-05

REGION: Sweetwater Uranium Facil    CODE: MILDOS-AREA (03/89)    PAGE 400  
 METSET: Sweetwater WY    DATA: 40cfr.in    02/25/94  
 TIME STEP NUMBER 8. YS -    DURATION IN YRS IS... 3.0  
 NUMBER 12 NAME=Rawlins    X= 54.6KM, Y= -27.9KM, Z= 37.0M, DIST= 61.3KM, IRTYPE=10

-----  
 TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR  
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AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.71E-03	1.76E-03	7.79E-04	7.84E-03	3.07E-03	6.87E-02
INFANT	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
INFANT	CLOUD	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.46E-04	1.58E-03	2.03E-03	2.03E-03	1.81E-03	0.00E+00
INFANT	TOTALS	8.72E-03	6.71E-03	6.17E-03	1.32E-02	8.25E-03	7.21E-02
CHILD	INHAL.	4.41E-03	1.36E-03	3.58E-04	3.48E-03	1.44E-03	6.87E-02
CHILD	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
CHILD	CLOUD	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04
CHILD	VEG. ING	5.07E-04	2.44E-03	2.50E-03	2.50E-03	1.86E-03	0.00E+00
CHILD	MEAT ING	6.97E-05	3.23E-04	3.66E-04	3.66E-04	2.69E-04	0.00E+00
CHILD	MILK ING	9.82E-05	5.07E-04	4.71E-04	4.71E-04	3.49E-04	0.00E+00
CHILD	TOTALS	8.46E-03	8.00E-03	7.06E-03	1.02E-02	7.28E-03	7.21E-02
TEENAGE	INHAL.	4.40E-03	3.04E-03	1.78E-04	1.49E-03	7.20E-04	6.87E-02
TEENAGE	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
TEENAGE	CLOUD	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04
TEENAGE	VEG. ING	7.82E-04	1.23E-02	2.19E-03	2.19E-03	1.84E-03	0.00E+00
TEENAGE	MEAT ING	1.04E-04	1.57E-03	3.20E-04	3.20E-04	2.65E-04	0.00E+00
TEENAGE	MILK ING	1.15E-04	1.94E-03	3.00E-04	3.00E-04	2.54E-04	0.00E+00
TEENAGE	TOTALS	8.77E-03	2.22E-02	6.36E-03	7.67E-03	6.45E-03	7.21E-02
ADULT	INHAL.	4.35E-03	1.88E-03	1.47E-04	1.24E-03	6.00E-04	6.87E-02
ADULT	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
ADULT	CLOUD	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04
ADULT	VEG. ING	4.58E-04	5.49E-03	1.43E-03	1.43E-03	1.18E-03	0.00E+00
ADULT	MEAT ING	7.88E-05	9.24E-04	2.64E-04	2.64E-04	2.16E-04	0.00E+00
ADULT	MILK ING	2.53E-05	3.19E-04	7.50E-05	7.50E-05	6.20E-05	0.00E+00
ADULT	TOTALS	8.28E-03	1.20E-02	5.28E-03	6.38E-03	5.43E-03	7.21E-02

TIME STEP NUMBER 8, YS -

NUMBER 13 NAME-Special Receptor #1 X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.17E-01	1.33E+00	2.51E+00	2.69E-01	2.11E-01	0.00E+00
INFANT	GROUND	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01
INFANT	CLOUD	5.97E-09	5.97E-09	5.97E-09	5.97E-09	5.97E-09	5.97E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.27E+00	4.03E+00	3.01E+00	3.01E+00	2.65E+00	0.00E+00
INFANT	TOTALS	1.98E+00	5.66E+00	5.81E+00	3.57E+00	3.16E+00	2.95E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.95E-01	1.12E+00	1.13E+00	1.09E-01	7.19E-02	0.00E+00
CHILD	GROUND	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01
CHILD	CLOUD	5.97E-09	5.97E-09	5.97E-09	5.97E-09	5.97E-09	5.97E-09
CHILD	VEG. ING	7.74E-01	4.26E+00	3.12E+00	3.12E+00	2.33E+00	0.00E+00
CHILD	MEAT ING	1.03E-01	5.04E-01	5.20E-01	5.20E-01	3.82E-01	0.00E+00
CHILD	MILK ING	1.78E-01	1.13E+00	6.88E-01	6.88E-01	5.10E-01	0.00E+00
CHILD	TOTALS	1.55E+00	7.30E+00	5.76E+00	4.73E+00	3.59E+00	2.95E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.27E-01	1.25E+00	5.82E-01	4.74E-02	3.60E-02	0.00E+00
TEENAGE	GROUND	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01
TEENAGE	CLOUD	5.97E-09	5.97E-09	5.97E-09	5.97E-09	5.97E-09	5.97E-09
TEENAGE	VEG. ING	1.31E+00	2.32E+01	2.69E+00	2.69E+00	2.32E+00	0.00E+00
TEENAGE	MEAT ING	1.60E-01	2.55E+00	4.55E-01	4.55E-01	3.79E-01	0.00E+00
TEENAGE	MILK ING	2.45E-01	4.84E+00	4.41E-01	4.41E-01	3.82E-01	0.00E+00
TEENAGE	TOTALS	2.14E+00	3.22E+01	4.46E+00	3.93E+00	3.41E+00	2.95E-01
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.10E-01	1.17E+00	4.78E-01	3.91E-02	2.74E-02	0.00E+00
ADULT	GROUND	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01
ADULT	CLOUD	5.97E-09	5.97E-09	5.97E-09	5.97E-09	5.97E-09	5.97E-09
ADULT	VEG. ING	7.18E-01	9.28E+00	1.75E+00	1.75E+00	1.47E+00	0.00E+00
ADULT	MEAT ING	1.19E-01	1.44E+00	3.76E-01	3.76E-01	3.07E-01	0.00E+00
ADULT	MILK ING	4.92E-02	7.09E-01	1.10E-01	1.10E-01	9.19E-02	0.00E+00
ADULT	TOTALS	1.29E+00	1.29E+01	3.01E+00	2.57E+00	2.19E+00	2.95E-01

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 8, YS =

PAGE 402  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 13 NAME=Special Receptor #1 X= 1.4KM, Y= 1.0KM, Z= 0.8M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.10E+00	1.33E+00	2.51E+00	2.71E-01	2.11E-01	9.48E+01
INFANT	GROUND	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01
INFANT	CLOUD	2.99E-02	2.99E-02	2.99E-02	2.99E-02	2.99E-02	2.99E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.27E+00	4.03E+00	3.01E+00	3.01E+00	2.65E+00	0.00E+00
INFANT	TOTALS	2.15E+01	1.94E+01	1.96E+01	1.74E+01	1.70E+01	1.09E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.88E+00	1.12E+00	1.13E+00	1.09E-01	7.21E-02	9.48E+01
CHILD	GROUND	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01
CHILD	CLOUD	2.99E-02	2.99E-02	2.99E-02	2.99E-02	2.99E-02	2.99E-02
CHILD	VEG. ING	7.74E-01	4.26E+00	3.12E+00	3.12E+00	2.33E+00	0.00E+00
CHILD	MEAT ING	1.03E-01	5.04E-01	5.20E-01	5.20E-01	3.82E-01	0.00E+00
CHILD	MILK ING	1.78E-01	1.13E+00	6.88E-01	6.88E-01	5.10E-01	0.00E+00
CHILD	TOTALS	2.10E+01	2.11E+01	1.95E+01	1.85E+01	1.74E+01	1.09E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.81E+00	1.25E+00	5.82E-01	4.76E-02	3.61E-02	9.48E+01
TEENAGE	GROUND	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01
TEENAGE	CLOUD	2.99E-02	2.99E-02	2.99E-02	2.99E-02	2.99E-02	2.99E-02
TEENAGE	VEG. ING	1.31E+00	2.32E+01	2.69E+00	2.69E+00	2.32E+00	0.00E+00
TEENAGE	MEAT ING	1.60E-01	2.55E+00	4.55E-01	4.55E-01	3.79E-01	0.00E+00
TEENAGE	MILK ING	2.45E-01	4.84E+00	4.41E-01	4.41E-01	3.82E-01	0.00E+00
TEENAGE	TOTALS	2.16E+01	4.60E+01	1.83E+01	1.77E+01	1.72E+01	1.09E+02
AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.80E+00	1.17E+00	4.78E-01	3.93E-02	2.75E-02	9.48E+01
ADULT	GROUND	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01
ADULT	CLOUD	2.99E-02	2.99E-02	2.99E-02	2.99E-02	2.99E-02	2.99E-02
ADULT	VEG. ING	7.18E-01	9.28E+00	1.75E+00	1.75E+00	1.47E+00	0.00E+00
ADULT	MEAT ING	1.19E-01	1.44E+00	3.76E-01	3.76E-01	3.07E-01	0.00E+00
ADULT	MILK ING	4.92E-02	7.09E-01	1.10E-01	1.10E-01	9.19E-02	0.00E+00
ADULT	TOTALS	2.08E+01	2.67E+01	1.68E+01	1.64E+01	1.60E+01	1.09E+02

NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.13E-01	3.33E-01	6.97E-01	6.74E-02	5.29E-02	0.00E+00
INFANT	GROUND	7.97E-02	7.97E-02	7.97E-02	7.97E-02	7.97E-02	7.97E-02
INFANT	CLOUD	1.69E-09	1.69E-09	1.69E-09	1.69E-09	1.69E-09	1.69E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.21E-01	1.02E+00	7.52E-01	7.52E-01	6.75E-01	0.00E+00
INFANT	TOTALS	5.14E-01	1.43E+00	1.53E+00	8.99E-01	8.08E-01	7.97E-02
CHILD	INHAL.	5.29E-02	2.81E-01	3.17E-01	2.72E-02	1.80E-02	0.00E+00
CHILD	GROUND	7.97E-02	7.97E-02	7.97E-02	7.97E-02	7.97E-02	7.97E-02
CHILD	CLOUD	1.69E-09	1.69E-09	1.69E-09	1.69E-09	1.69E-09	1.69E-09
CHILD	VEG. ING	1.95E-01	1.07E+00	7.81E-01	7.81E-01	5.89E-01	0.00E+00
CHILD	MEAT ING	2.59E-02	1.26E-01	1.30E-01	1.30E-01	9.58E-02	0.00E+00
CHILD	MILK ING	4.48E-02	2.83E-01	1.72E-01	1.72E-01	1.29E-01	0.00E+00
CHILD	TOTALS	3.98E-01	1.84E+00	1.48E+00	1.19E+00	9.11E-01	7.97E-02
TEENAGE	INHAL.	3.39E-02	3.12E-01	1.63E-01	1.19E-02	9.03E-03	0.00E+00
TEENAGE	GROUND	7.97E-02	7.97E-02	7.97E-02	7.97E-02	7.97E-02	7.97E-02
TEENAGE	CLOUD	1.69E-09	1.69E-09	1.69E-09	1.69E-09	1.69E-09	1.69E-09
TEENAGE	VEG. ING	3.30E-01	5.84E+00	6.73E-01	6.73E-01	5.86E-01	0.00E+00
TEENAGE	MEAT ING	4.01E-02	6.37E-01	1.14E-01	1.14E-01	9.49E-02	0.00E+00
TEENAGE	MILK ING	6.15E-02	1.22E+00	1.10E-01	1.10E-01	9.67E-02	0.00E+00
TEENAGE	TOTALS	5.45E-01	8.09E+00	1.14E+00	9.88E-01	8.66E-01	7.97E-02
ADULT	INHAL.	2.92E-02	2.93E-01	1.34E-01	9.79E-03	6.89E-03	0.00E+00
ADULT	GROUND	7.97E-02	7.97E-02	7.97E-02	7.97E-02	7.97E-02	7.97E-02
ADULT	CLOUD	1.69E-09	1.69E-09	1.69E-09	1.69E-09	1.69E-09	1.69E-09
ADULT	VEG. ING	1.80E-01	2.33E+00	4.39E-01	4.39E-01	3.71E-01	0.00E+00
ADULT	MEAT ING	2.97E-02	3.61E-01	9.41E-02	9.41E-02	7.70E-02	0.00E+00
ADULT	MILK ING	1.24E-02	1.78E-01	2.74E-02	2.74E-02	2.32E-02	0.00E+00
ADULT	TOTALS	3.31E-01	3.24E+00	7.74E-01	6.49E-01	5.58E-01	7.97E-02

REGION: Sweetwater Uranium Facil CODE: MILDOS-AREA (03/89)  
 METSET: Sweetwater WY DATA: 40cfr.in  
 TIME STEP NUMBER 8, YS -

PAGE 404  
 02/25/94  
 DURATION IN YRS IS... 3.0

NUMBER 14 NAME=Special Receptor #2 X= 2.0KM, Y= 2.1KM, Z= 0.8M, DIST= 2.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.74E+00	3.35E-01	6.98E-01	7.92E-02	5.75E-02	2.71E+01
INFANT	GROUND	3.52E+00	3.52E+00	3.52E+00	3.52E+00	3.52E+00	3.52E+00
INFANT	CLOUD	5.33E-02	5.33E-02	5.33E-02	5.33E-02	5.33E-02	5.33E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.22E-01	1.02E+00	7.54E-01	7.54E-01	6.77E-01	0.00E+00
INFANT	TOTALS	5.64E+00	4.93E+00	5.03E+00	4.41E+00	4.31E+00	3.07E+01
CHILD	INHAL.	1.68E+00	2.83E-01	3.17E-01	3.25E-02	2.02E-02	2.71E+01
CHILD	GROUND	3.52E+00	3.52E+00	3.52E+00	3.52E+00	3.52E+00	3.52E+00
CHILD	CLOUD	5.33E-02	5.33E-02	5.33E-02	5.33E-02	5.33E-02	5.33E-02
CHILD	VEG. ING	1.95E-01	1.07E+00	7.84E-01	7.84E-01	5.91E-01	0.00E+00
CHILD	MEAT ING	2.60E-02	1.27E-01	1.31E-01	1.31E-01	9.60E-02	0.00E+00
CHILD	MILK ING	4.49E-02	2.83E-01	1.73E-01	1.73E-01	1.29E-01	0.00E+00
CHILD	TOTALS	5.52E+00	5.34E+00	4.98E+00	4.70E+00	4.41E+00	3.07E+01
TEENAGE	INHAL.	1.66E+00	3.16E-01	1.63E-01	1.41E-02	1.01E-02	2.71E+01
TEENAGE	GROUND	3.52E+00	3.52E+00	3.52E+00	3.52E+00	3.52E+00	3.52E+00
TEENAGE	CLOUD	5.33E-02	5.33E-02	5.33E-02	5.33E-02	5.33E-02	5.33E-02
TEENAGE	VEG. ING	3.31E-01	5.86E+00	6.75E-01	6.75E-01	5.88E-01	0.00E+00
TEENAGE	MEAT ING	4.02E-02	6.39E-01	1.14E-01	1.14E-01	9.52E-02	0.00E+00
TEENAGE	MILK ING	6.16E-02	1.22E+00	1.11E-01	1.11E-01	9.69E-02	0.00E+00
TEENAGE	TOTALS	5.67E+00	1.16E+01	4.64E+00	4.49E+00	4.37E+00	3.07E+01
ADULT	INHAL.	1.66E+00	2.95E-01	1.34E-01	1.17E-02	7.79E-03	2.71E+01
ADULT	GROUND	3.52E+00	3.52E+00	3.52E+00	3.52E+00	3.52E+00	3.52E+00
ADULT	CLOUD	5.33E-02	5.33E-02	5.33E-02	5.33E-02	5.33E-02	5.33E-02
ADULT	VEG. ING	1.81E-01	2.34E+00	4.40E-01	4.40E-01	3.72E-01	0.00E+00
ADULT	MEAT ING	2.98E-02	3.62E-01	9.44E-02	9.44E-02	7.72E-02	0.00E+00
ADULT	MILK ING	1.24E-02	1.78E-01	2.75E-02	2.75E-02	2.33E-02	0.00E+00
ADULT	TOTALS	5.46E+00	6.75E+00	4.27E+00	4.15E+00	4.06E+00	3.07E+01

0Program execution time = 65.14 seconds

**THIS PAGE IS AN  
OVERSIZED DRAWING OR  
FIGURE,  
THAT CAN BE VIEWED AT THE  
RECORD TITLED:**

**“FIGURE 2.2-3 LOCATIONS OF  
GROUND WATER AND SURFACE WATER  
USERS WITHIN 10 MILES OF SITE”**

**WITHIN THIS PACKAGE...**

**D-01X**