OMAHA PUBLIC POWER DISTRICT

FORT CALHOUN STATION

1995

EMERGENCY PREPAREDNESS EXERCISE MANUAL

VOLUME

1

CAUTION: THIS MANUAL CONTAINS CONFIDENTIAL EXERCISE INFORMATION THAT CAN NOT BE SHARED WITH EXERCISE PARTICIPANTS PRIOR TO THE 1995 EMERGENCY PREPAREDNESS EXERCISE SCHEDULED FOR NOVEMBER 14, 1995.

1995

FORT CALHOUN STATION

EMERGENCY PREPAREDNESS EXERCISE

TABLE OF CONTENTS

CONDUCT OF EXERCISE

TABLE OF CONTENTS

CONDUCT OF THE EXERCISE

SCHEDULE OF EVENTS

The schedule for all meetings, entrances, briefings, critiques, and exits is provided under this heading.

CONDUCT OF THE EXERCISE
SCHEDULE OF EVENTS

DATE	EVENT	ATTENDEES	TIME	LOCATION
Tue, Nov 7	Cntlr & Eval. Briefing and Walk-Through.	Cntlrs. & Evals.	0800-1130	FCS Training Center Auditorium
Tue, Nov 7	Participant Briefing #1	Exercise Participants (Attend one)	1430-1600	FCS Training Center Auditorium
Wed, Nov 8	Participant Briefing #2	Exercise Participants (Attend one)	1430-1600	FCS Training Center Auditorium
Mon, Nov 13	NRC Entrance	NRC, EP, OPPD Mgmt., NRC	1130-1200	FCS
	NRC GET Training		1230-1400	FCS
	NRC Scenario Briefing	NRC, SDG	1430-1600	FCS Admin. Bldg., Visiting Inspectors Rm.
	NRC Walkdown of ERF's and Plant	NRC, EP	As needed	FCS, EOF
Tue, Nov 14	Exercise	OPPD	0000-2400	Simulator, TSC, OSC, EOF, MRC
	Facility Critiques	Participants Ctlrs. & Evals.	Post Exercise	ERF's
Wed, Nov 15	Key Participant/ Controller and Evaluator Critique	Key Participants/ Cntlrs & Evals	0800-1100	FCS Training Center Auditorium
	Follow-up Interviews	As required	As required	FCS
Thu, Nov 16	Evaluator Follow-up Interviews	As required	As required	FCS
Fri, Nov 17	OPPD Management Critique	OPPD Mgmt., EP	0700-0800	Conf. Rm 2D
	Licensee Critique to NRC	OPPD Mgmt., EP	0830-0930	Conf. Rm 2D
	NRC Exit and Critique	OPPD Mgmt., EP	0930-1000	Visiting Inspectors Rm.

SCOPE and PARTICIPANTS

The scope of the exercise and a listing of participants is provided under this heading. The list of participants is further broken down to utility, state/local facilities and service agencies, and includes addresses for each.

SCOPE and PARTICIPANTS (continued)

SCOPE

As an assurance that the health and safety of the general public is protected in the event of an accident at the Fort Calhoun Station (FCS), the Omaha Public Power District (OPPD) conducts an annual emergency preparedness exercise. Exercises simulate accident conditions and radiological hazards that require major portions of utility, state and local emergency response plans and procedures to be implemented on a routine basis. Emergency responses are evaluated by all participants, the Nuclear Regulatory Commission, and, in some situations, the Federal Emergency Management Agency. Exercise accident sequences and the severity and characteristics of radiological hazards are held in confidence prior to conducting the exercise.

The exercise scenario is sufficient to require complete activation of all OPPD emergency response facilities, state and county emergency operations centers for accident mitigation. The accident scenario will require evaluation and decision making on protective actions for the general public surrounding FCS.

Evaluations of the emergency response to situations presented by the exercise scenario help provide an assessment of the adequacy of utility radiological emergency response plans and procedures. In addition, conduct of the exercise is valuable in determining whether adequate resources, including trained personnel assigned emergency response responsibilities, are available to protect the health and safety of the general public in the event of an emergency at FCS.

SCOPE and PARTICIPANTS (continued)

PARTICIPANTS

The following summary indicates which emergency response facilities will participate (fully, partially or not at all) in the 1995 Fort Calhoun Station Emergency Preparedness Exercise:

Omaha Public Power District

Control Room (CR) Simulator - Fort Calhoun Station

Technical Support Center (TSC) - Fort Calhoun Station

Operations Support Center (OSC) - Fort Calhoun Station

Emergency Operations Facility (EOF) - North Omaha Station, 24th & Craig Ave., Omaha, NE

Media Release Center (MRC) - Energy Plaza, 444 South 16 Street Mall, Omaha NE

State of Nebraska

State Emergency Operation Center - State Civil Defense Facility, 1300 Military Road, Lincoln, NE

Washington County Emergency Operations Center - Basement of Law Enforcement Bldg., 1535 Colfax St., Blair, NE.

State of Iowa

State Emergency Operations Center -Starc Armory, 1600 NE 78th Ave., Johnston, Iowa

Harrison County Emergency Operations Center - County Sheriff's, 105 S. First Ave., Logan, IA.

Pottawattamie County Emergency Operations Center - County Sheriff's, Pottawattamie County Courthouse, 227 S. 6th. St., Council Bluffs, IA

SCOPE and PARTICIPANTS (continued)

OFFSITE OBJECTIVES

The States of Iowa and Nebraska have submitted offsite objectives and extent of play memorandums to FEMA for the November 14 ,1995 Fort Calhoun Station annual exercise.

The States of Iowa and Nebraska have submitted medical drill objectives and extent of play memorandums to FEMA for the August 29 and 30 annual medical drills for Fort Calhoun Station.

CONDUCT OF EXERCISE
GUIDELINES AND SIMULATIONS

Exercise guidelines and simulations are provided under this heading. Guidelines define parameters under which the exercise will be conducted and delineate the extent to which objectives will be demonstrated.

Simulations define the boundaries of emergency responses by participants. Areas where participants will not be allowed to carry out emergency responses to the fullest extent are indicated under simulations. Limitations in emergency responses are necessary to protect personnel and the integrity of the operating reactor, and to limit impact to the public while simulating emergency conditions.

CONDUCT OF EXERCISE
GUIDELINES AND SIMULATIONS

1. The exercise Is scheduled for November 14, 1995.

2. Personnel necessary for safe reactor operation will be exempt from all exercise activities.

3. Actual operational or radiological events or emergencies take precedent over all other activities. If an actual operational or radiological event should occur, the exercise shall be suspended and players notified via the controller network. The senior exercise controller shall then consult with management to coordinate resumption of the exercise following resolution of the actual operational or radiological event.

4. Participants will be informed of the exercise date, but will not be informed of the start time.

5. Participants will not be informed of the scenario events, time lines, or data.

6. Participants will be pre-briefed on limits to responses and on any required actions during responses (see CONDUCT of EXERCISE, **PARTICIPANT GUIDELINES** for content of briefing).

7. Scenario initial conditions (see SCENARIO EVENTS, **INITIAL CONDITIONS** for content) will be distributed to participants prior to the start of events through the use of the following routine documents:

   - Plan of the Day
   - Routine shift turnover paperwork
   - Operation Department night notes

8. Participants will not be pre-staged except for the following:

Participants	Location
• Control Room Staff (Shift Supervisor, Senior Reactor Operator, Reactor Operators, Shift Technical Advisor), Communicator, Shift Chemist, Shift RP	Control Room Simulator
• Auxiliary and Turbine Building Operators,	inplant
Water Plant Operator	inplant
Reactor Operator	inplant
• Initial condition repair personnel	repair site(s)

9. Personnel will be notified of emergency conditions through methods normally employed in making notifications, i.e. plant alarms, gai-tronics announcements, personnel pagers, building announcements, and the ERO notification system.

10. Scenario driven plant operations will be directed from the control room simulator.

- Control room communications will be performed using equipment similar to actual control room equipment.
- Plant Emergency Alarm activation will occur under direction of participants in the simulator but will utilize actual control room equipment.
- Plant wide announcements will be initiated from the simulator via the gai-tronics system cross-connect.
- Control room briefings and dispatch of auxiliary and turbine building operators will occur via telephone, radio, or Gai-tronics system.
- The simulator will operate "live time." In the event of simulator failure for a protracted period of time, annunciators, indicators of plant parameters, and computer displays may be simulated through the use of hard copy scenario messages. The exercise senior controller shall decide to continue the exercise using paper hard copy data based on the recommendations of the control room simulator operator.

11. The emergency notification system (ENS branch of the Federal Telecommunications System) may be used to demonstrate system operability.

12. Data available through the emergency response facility computer system (ERFCS) will be simulated through use a tie in to the ERFCS computer terminals in TSC, OSC and EOF from the simulator.

- During an actual plant emergency the simulator tie in to the Plant ERFCS terminals in the TSC, OSC, and EOF will be disconnected; and the ERFCS terminals will be returned to normal plant use.

13. To the maximum practical extent, participants will be permitted "free play" in emergency responses and accident mitigation. Facility Lead Controllers, after making note of un-anticipated actions, shall inform the exercise senior controller. The exercise senior controller may prohibit certain actions to maintain emergency responses within the planned scenario time line. Credit for innovative approaches should be given at the facility critique.

14. Emergency response by participants will be to the fullest extent possible without violating any station procedures or good practice.

- Post accident sampling system data normally obtained may be provided to participants before the actual completion of the PASS sampling procedure due to scenario compression.
- One plant evacuation and initial accountability will be performed.
- Site evacuation will be simulated.
- Participants contacting outside organizations not specifically listed as a participating organization will perform communication checks only.

15. Some areas of emergency response will be limited to protect personnel and equipment or to lessen the impact on the public.

    - Participants will not operate, manipulate or implement repairs on installed plant equipment or valves.
    - Actual tag out of equipment and valves will not be performed, however, all required authorizations and paperwork should be completed to the extent possible.
    - Controllers and Participants entering the Radiologically Controlled Areas of the Auxiliary Building and Radwaste Buildings for drill activities must sign in on and adhere to the requirements of RWP Number 95-0106 "Emergency Drill Entries into the Radiological Control Areas of the Auxiliary Building and Radwaste Building". Controllers and Participants should not enter areas prohibited by RWP 95-0106 for drill or exercise activities.
    - Drill participants and Controllers entering the Radiological Control Areas for actual PASS sampling should use RWP 95-003 "Routine Chemistry Sampling and Analysis in the Aux/Radwaste Building".
    - Appropriate onsite participants will demonstrate the procedure for donning SCBAs once but will not discharge air tanks.
    - Offsite support will be simulated (i.e. fire or medical support).
    - Fire hoses will not be charged.
    - Participants will not be administered radioprotective drugs.
    - Offsite monitoring teams will not wear anti-Cs in the field.
    - Actual decontamination of equipment and vehicles will not be performed.
    - Participation by non-emergency OPPD personnel will be simulated (i.e. Transmission and Distribution or System Protection).

16. Controller for offsite monitoring teams shall rendezvous with their team where their monitoring kits are obtained.

17. Participants may request and, upon completion of appropriate actions, obtain from controllers additional information or data that was not previously available. Controllers shall not freely give out additional information. If, for example, players request the results of an internal inspection of a circuit breaker, they must first demonstrate the required tools and techniques, and the appropriate level of knowledge to perform the inspection. Only then will the controller hand out the results of the inspection.

18. Contingency messages will be assigned issuance times for reference only and will be issued only if participant actions affect planned scenario events, time lines, or data and only if authorized by the Senior Exercise Controller.

19. Controllers will assist in assuring that all communications include **"THIS IS A DRILL"**.

AREAS OF EMERGENCY RESPONSE IMPACTED OR DELAYED DUE TO SIMULATIONS

- Actions and communications originating in the simulator control room that must be performed through the onsite control room through the use of intermediaries, e.g.;
  - Sounding of alarms.
  - Drill participant operators (Note a extra RO may be used to assume fire brigade responsibilities due to the distance of the simulator to the plant).
  - Equipment operation or manipulations that require Shift Supervisor approval.
  - Communications to the control room that are relayed to the simulator control room.
- Control of site access traffic will be simulated to eliminate the impact to transportation flow on a main thoroughfare.
- Non-participating employees may be allowed to return to work after completing a protected area evacuation.
- PASS system must not be operated during the actual exercise. If a PASS sample is desire by the Participants, a simulated walk-through of the PASS should be demonstrated. PASS system operability will be scheduled separately. Controllers may issue simulated PASS data allow to for core damage assessment.

CONDUCT OF EXERCISE
PARTICIPANT GUIDELINES

Participant guidelines are provided under this heading. These guidelines provide participants a basis and any limits to their emergency response during simulated activities. Participants will be briefed on these guidelines prior to the start of any simulated activities. These guidelines contain no classified scenario material and are intended to be handed out to participants at the briefing.

CONDUCT OF EXERCISE

PARTICIPANT GUIDELINES

1. The exercise is scheduled for November 14, 1995.

2. Upon termination of Exercise activities, facility critiques will be conducted in the CR (simulator), TSC, OSC, and EOF. Every participant should complete a FC-EPF-15 (Emergency Response Organization Participant Comment Form), sign the exercise attendance sheet, and be prepared to discuss any major critique items. FC-EPF-15s will be handed out after termination of the simulation. The facility manager or director is responsible for collecting the completed critique forms.

3. A key participant/evaluator critique will be held at the time and location listed in the Schedule of Events with the key participants from all emergency response facilities and all controllers and evaluators.

4. Omaha Public Power District will present its initial exercise critique to the Nuclear Regulatory Commission (NRC) at the location and time listed on the Schedule of Events. This presentation will be conducted prior to the NRC's inspection exit meeting.

5. The following emergency response facilities and services will be available to participate:

Omaha Public Power District (OPPD)

- Control Room (CR) Simulator
- Technical Support Center (TSC)
- Operations Support Center (OSC)
- Emergency Operations Facility (EOF)
- Media Release Center (MRC)

Nebraska State Emergency Operation Center - State Civil Defense Facility, 1300 Military Road, Lincoln, NE

Washington County Emergency Operations Center - Basement of Law Enforcement Bldg.., 1535 Colfax St., Blair, NE.

Iowa State Emergency Operations Center -Starc Armory, 1600 NE 78th Ave., Johnston, Iowa

Harrison County Emergency Operations Center - County Sheriff's, 105 S. First Ave., Logan, IA.

Pottawattamie County Emergency Operations Center - County Sheriff's, Pottawattamie County Courthouse, 227 S. 6th. St., Council Bluffs, IA

6. Personnel necessary for safe reactor operation are exempt from all exercise activities.

7. Actual operational or radiological events or emergencies take precedent over all other activities. If an actual operational or radiological event should occur, the exercise shall be suspended and players notified via the controller network. The Senior Exercise Controller shall then consult with management to coordinate resumption of the exercise following resolution of the actual operational or radiological event.

8. Scenario initial conditions (see SCENARIO EVENTS, **INITIAL CONDITIONS** for content) will be distributed to participants prior to the start of events through the use of the following routine documents:

   - Plan of the Day
   - Routine shift turnover paperwork
   - Operations night notes

9. Participants must not pre-stage except for the following:

Participants	Location
• Control Room Staff (Shift Supervisor, Senior Reactor Operator, Reactor Operators, Shift Technical Advisor, Communicator, Shift RP, Shift Chemist)	Control Room Simulator
• Auxiliary and Turbine Building Operators	in-plant
• Water Plant Operator	in-plant
• Reactor Operator	in-plant
• Initial condition repair personnel	repair site(s)

10. Personnel will be notified of emergency conditions through methods normally employed in making notifications, i.e. plant alarms, Gai-tronics announcements, personnel pagers and building announcements.

11. Scenario driven plant operations will be directed from the control room simulator.

    - Control room communications will be performed using equipment similar to actual control room equipment.
    - Plant alarm activation will occur under direction of participants in the simulator but will utilize actual control room equipment.
    - Plant wide announcements will be initiated from the simulator via the Gai-tronics cross-connect.
    - Control room briefings and dispatch of auxiliary and turbine building operators will occur via telephone or Gai-tronics system.
    - The simulator will operate "live time." In the event of simulator failure for a protracted period of time, annunciators, indicators of plant parameters, and computer displays may be simulated through the use of hard copy scenario messages. The exercise senior controller shall decide to continue the exercise using paper hard copy data based on the recommendations of the control room simulator operator.

12. The simulator emergency notification system (ENS branch of the Federal Telecommunications System) and the simulator Emergency Response Data System activation used if authorized by the Exercise Senior Controller.

13. The simulator data link from the simulator to the emergency response facility computer system (ERFCS) terminals in the TSC, OSC, and EOF will be in operation for the exercise. In event, of an actual emergency this data link will be removed and the ERFCS in the plant returned to normal use.

14. To the maximum practical extent, participants will be permitted "free play" in emergency responses and accident mitigation. Facility Lead Controllers, after making note of un-anticipated actions, shall inform the exercise senior controller. The exercise senior controller may prohibit certain actions to maintain emergency responses within the planned scenario and time line. Credit for innovative approaches should be given at the facility critique.

15. Emergency response by participants will be to the fullest extent possible without violating any normal station procedure or good practice.

- Participants will obtain permission from the on-shift Shift Supervisor prior to operating the post accident sampling system.

- PASS system must not be operated during the actual exercise. If a PASS sample is desire by the Participants, a simulated walk-through of the PASS should be demonstrated. PASS system operability will be scheduled separately. Controllers may issue simulated PASS data allow to for core damage assessment. .

- Personnel accountability will be performed as appropriate.

- Protected area evacuation will be performed if required.

- Site evacuation will be simulated.

- Participants contacting outside organizations not specifically listed as a participating organization shall perform communication checks only.

16. Some areas of emergency response will be limited to protect personnel and equipment or to lessen the impact on the public.

- Participants shall not operate, manipulate or implement repairs on installed plant equipment or valves.
- Actual tag out of equipment and valves will not be performed, however, all required authorizations and paperwork should be completed.
- Participants entering the Radiologically Controlled Areas of the Auxiliary Building and Radwaste Buildings for drill activities must sign in and adhere to the requirements of RWP Number 95-0106 "Emergency Drill Entries into the Radiological Control Areas of the Auxiliary Building and Radwaste Building". If the scenario activities require entry into areas not allowed on RWP 95-0106, inform your controller. Controllers and Participants should not enter areas prohibited by RWP 94-0106 for drill or exercise activities.
- Drill participants entering the Radiological Control Areas for actual PASS sampling should use RWP 95-003 "Routine Chemistry Sampling and Analysis in the Aux/Radwaste Building".
- Appropriate onsite participants will demonstrate the procedure for donning SCBA's once but will not discharge air tanks.
- Offsite support will be simulated (i.e. fire or medical support), if required.
- Fire hoses (if required) will not be charged.
- Participants will not be administered radioprotective drugs.
- Offsite monitoring teams will not wear anti-Cs in the field.
- Actual decontamination of equipment and vehicles will be simulated, if required.
- Participation by non-emergency OPPD personnel will be simulated (i.e. Transmission and Distribution or System Protection), if required.

17. Controllers for offsite monitoring teams shall rendezvous with their team where their monitoring equipment is obtained.

18. Participants may request and, upon completion of appropriate actions, obtain from controllers additional information or data that was not previously available. Controllers shall not freely give out additional information. If, for example, players request the results of an internal inspection of a circuit breaker, they must first demonstrate the required tools and techniques, and the appropriate level of knowledge to perform the inspection. Only then will the controller hand out the results of the inspection.

19. Three groups of personnel may be in attendance and will function as described below:

Controllers: Controllers are responsible for controlling scenario events and issuing data to participants. Controllers may initiate certain actions, i.e. issue contingency messages, to assure continuity of events. Controllers have evaluator responsibilities as well. Controllers are recognized by red hats and/or badges.

Evaluators: Evaluators are responsible for documenting and evaluating the emergency response. They serve a passive function and do not control or impact emergency responses. Evaluators must not interfere with the flow of events. Evaluators may ask questions to clarify their understanding of actions taken by participants or procedural concerns. NRC evaluators will also be present. Evaluators are recognized by red hats and/or badges.

Observers: Observers are not responsible for participating, controlling, or evaluating. Observers must not interface with participants, or evaluators. Questions from observers should be directed to controllers. Observers are recognized by yellow badges.

20. Participants must become familiar with the controller and evaluator organizations, especially the controller and evaluator assigned to your location. Identify yourself by name and function to your controller and evaluator, or NRC evaluator (if present).

21. All communications which are accessible by the public, including Gai-tronics announcements, outside telephone calls, etc., must begin and end with "**THIS IS A DRILL**". Make sure you repeat the phrase at frequent intervals.

22. Maintain status boards, log books, communication forms, etc., as much as possible. Document all your actions. Keep your logs accurate and detailed. This is very important. Remember, put it in writing and include the note, **"THIS IS A DRILL"**.

23. Participants should actually play out all emergency responses to the fullest extent as possible. Auxiliary and turbine building operators, radiological monitoring teams, search and rescue teams, emergency repair teams, etc., should be deployed as appropriate.

24. Resist over-anticipating scenario events. Your actions should be in response to data being presented to you.

25. Unless authorized by your controller, you must not simulate any of your actions. If authorized to simulate an action, tell your controller how and when you would normally perform the simulated action.

    Simulation: Simulated play involves identification and explanation of required actions and procedures.

    Actual: Actual play involves deployment of resources and physical implementation of procedures.

26. Controllers use time related messages as the mechanism of initiating, orchestrating, modifying, and completing scenario events. Operational and radiological data is also issued through time related messages. Accept these messages immediately. They may contain scenario information essential to your successful performance.

27. Participants are responsible for contacting their controller before being dispatched into the plant or out into the field. The controller may have data that is vital to scenario events. This is of paramount importance to your success. Controllers of offsite monitoring teams may rendezvous with their teams where their monitoring equipment is obtained.

28. Controllers will not provide information to participants regarding scenario development or resolution of problem areas encountered. Participants are expected to obtain information through their own organizations for use in determining response actions and resolving problems.

29. You may ask your controller for information or clarification of scenario data, examples are:

- System status and availability
- Valve line ups
- Reactor coolant chemistry and radiological activity
- Operating history of core
- Meteorological data, including wind direction, speed, temperatures, and forecasts
- Operational parameters and indications
- Area radiation data at locations of emergency teams
- Airborne data at locations where sampling has been performed
- Isotopic data resulting from sample analysis
- Data normally available from emergency response facility computers.

30. You may not ask the following from the controllers:

- Information contained in procedures, drawings or instructions
- Judgments as to which procedures should be used
- Data not normally available to you
- Assistance in carrying out calculations
- Efficiency of counting equipment
- Assistance in activating facilities
- Assistance in performing emergency responses
- Assistance in repairing, replacing or substituting emergency response equipment, i.e., telephones, fax machines, etc.
- Explanation of scenario events

31. Some participants may insist that certain aspects of the scenario are unrealistic. Scenario events and time lines are designed to permit demonstration of all utility objectives, as well as any state and local objectives.

32. If you disagree with your controller, you may request him/her to reconsider or seek advise from the facility lead controller. Under no circumstances are you to argue or indulge in theoretical discussions with your controller.

33. Periodically identify your key actions and decisions to the controller and evaluators. Ensure that controllers and evaluators are aware of when you reference emergency procedures. This may seem artificial but it will assist in the evaluation process and is to your benefit.

34. You must not accept any data, messages or instructions from evaluators, observers, or visitors, including federal evaluators. If evaluators want to initiate actions, test your abilities, or give you a "surprise", they must work through a controller.

35. If your controller intervenes with your actions, it is for a good reason. Obey your controller's direction at all times. This is essential to the overall success of the simulation.

36. Participants must respond as if any radiation hazards presented by the scenario are actually present. This includes, but is not limited to the following:

- Wearing of dosimetry and anti-Cs
- Observing good radiation protection practices
- Minimizing radiation exposures
- Responding to failed instruments in the field
- Reporting radiological hazards to proper personnel
- Proper contamination control, i.e., radwaste, eating, smoking, food deliveries, etc.

37. Follow the instructions of individuals in the emergency response organization who are responsible for determining and enforcing good radiological practices.

38. Controllers, evaluators, and observers are not required to respond to simulated radiological hazards. They are exempt. Do not let this confuse you or cause you to act unwisely.

39. All normal station rules and procedures are to be followed when entering actual radiological controlled or radiation areas. No one, even controllers, evaluators, and observers, are exempt from normal station radiological practices and procedures.

40. Respond to controller and evaluator questions. If a question is misdirected to you and you do not know the answer refer them to your supervisor or to the facility lead controller. If your emergency response is being impacted by questions from evaluators then notify your controller. Observers are not allowed to enter into conversations with Participants.

41. Maintain a professional attitude throughout the simulation. Dead times may arise when scenario events are exercising other areas of emergency preparedness. Use this time to police your facility and work areas. Minimize socializing.

42. Intentional violation of federal, state or local laws is not permitted. All local traffic laws, especially speed limits, must be observed.

43. It is not the intent to inconvenience the public during simulated events. Never endanger public or private property. Ensure all communications begin and end with the phrase **"THIS IS A DRILL"**.

44. Termination of activities will be authorized only by the Exercise Senior Controller.

45. Keep a list of items which you believe will improve emergency plans and procedures. One of the main purposes of the Exercise is to identify areas requiring improvement to increase the overall effectiveness of emergency preparedness.

46. All logs, journals, worksheets, checklists or other documentation completed during all activities must be retained and turned over to the facility lead controller prior to, or at the facility critiques.

49. The use of simulated personnel dose data may be necessary for activities to be performed in Radiation Controlled areas. This data will provide information for consideration by the Radiation Protection and Protective Measures groups. Upon completion of tasks in a Radiation Controlled area, you may be given a "drill dose card" by your controller, which shows a simulated dose you have accumulated for the task. This data should be provided to the dosimetry group upon your return to the Emergency Response Facility from which you were dispatched (usually the OSC).

CONDUCT OF EXERCISE

CONTROLLER/EVALUATOR GUIDELINES

Controller/Evaluator guidelines are included under this heading.

These guidelines provide controllers and evaluators with a basis and any limits to their role and function during simulated activities.

Controllers and evaluators will be briefed on these guidelines prior to the start of any simulated activities.

CONDUCT OF EXERCISE

CONTROLLER/EVALUATOR GUIDELINES

1. Controllers are selected personnel assigned at all key functional areas of emergency response to monitor and control simulated events. Controllers also function as evaluators.

2. Evaluators are personnel located at key functional areas to document and evaluate the emergency response. Evaluators have no responsibility or authority for controlling or impacting scenario simulations. Although controllers serve as evaluators, evaluators do not serve as controllers, without prior approval of the Exercise Senior Controller. The NRC and FEMA serve as evaluators only.

3. The controlling organization is coordinated through a chain of command. Controllers report to their facility lead controller, i.e. CR Lead Controller, TSC Lead Controller, etc. All facility lead controllers report to the Exercise Senior Controller. This chain of command is vital for accurate and timely information flow through the controller organization.

4. Written messages and simulator data will be used to initiate, modify, and complete simulated events posed by the scenario. Controllers will issue these messages to predesignated individuals to initiate events and trigger emergency responses. All messages are assigned to the applicable facility lead controller. The facility lead controller is responsible for assigning a controller to issue the message at the appropriate time and place.

5. Indicated on each scenario message are the following:

- Participant or facility to receive the message
- Where the message originates
- Time the message must (firm time) or could (floating time) be issued

  Firm Time; messages having times without a "+" indicated are firm times. These messages must be issued at the time indicated.

  Floating Time; messages with a "+" indicated after the time are floating time messages. These messages should be issued at or any time after the stated time depending on when an action is completed by a participant. Specific actions required to be completed by a participant before receiving the message are listed under the controller note at the bottom of the message. If an action is never completed by a participant the message may never be issued.

- Type of message, either controlling or contingency

  Controlling Message; messages that pose hypothetical events or communicate data necessary to promote emergency responses. Controlling messages are the primary means of implementing scenario events.

  Contingency Message; messages that prevent or correct emergency responses. Contingency messages are used at the discretion of the Exercise Senior Controller to maintain the scenario continuity or correct the time lines of scenario activities. Controllers should ensure that participants thoroughly understand the content of these messages and act on them promptly.

- How the message should be issued, either verbal or handout

- Notes for the controller, including precautions, actions required to be completed by participants before receiving the message, subsequent controller actions or information, etc.

- Expected emergency response.

6. Controllers must not prematurely provide information to the participants regarding scenario development or resolution of problem areas encountered. Participants are expected to obtain information through their own organization and exercise their own judgement in determining response actions and resolving problems. In the event of incorrect or incomplete responses, or if a participant indicates lack of knowledge of how to proceed, controllers may find it necessary to "prompt" the participant with necessary instructions or contingency messages to maintain the simulated events on schedule. All occasions of such "prompting" must be approved by the Exercise Senior Controller and must by included in the controller's evaluation report.

7. Controllers may have responsibilities for issuing time related plant or radiological parameters. This information should only be issued if participants' actions would allow them access to the information if it were an actual event. For example, data on exposure rates should not be issued if a survey instrument has not been turned on, or data available from computers should not be issued if the computer is not inquired.

8. Controllers may have responsibilities for performing calculations during the scenario (i.e. dosimetry readings, plume exposure data, etc.). Care must be taken in performing these calculations and any questions or concerns must be expressed to your lead controller.

9. Scenario data must not be issued prior to participants performing the necessary actions required to obtain the data (e.g. ERFCS and PASS data). Additionally, participants must not have access to historical material or data (i.e. ERFCS historical data) unless all necessary actions are performed.

10. Scenario material is confidential and must not be exposed to participants. For example, scenario books must not be left open unattended.

11. Scenario events are hypothetical. Any portions of the scenario depicting operational transients are only simulated events. No actions or reactions involving operation of plant systems or affecting generation capability or emergency preparedness, should be initiated. Controllers stationed at key areas should be especially aware of the impact of the simulation and take extra precautions in issuing messages or initiating scenario events.

12. Some participants may insist that certain events in the scenario or time frames are unrealistic. Controllers have the authority to clarify any questions critical to the continuity of the simulation or demonstration of simulation objectives. In some cases, it may be necessary to state, "This is due to scenario requirements".

13. Controllers are **not** allowed to project free play into the scenario. Any deviation from the scenario must be first approved by the Exercise Senior Controller.

14. Prior to commencement of simulated activities, telecommunications should be tested to ensure satisfactory communications between all controllers.

15. All communications associated with simulated events must be prefixed and suffixed with the phrase "THIS IS A DRILL".

16. Controllers and evaluators must synchronize their watches to ensure that messages are delivered at the proper time and that an accurate chronology exists at the time of the after exercise critiques. Scenario time will be the same as computer time as available in the Control Room, Technical Support Center, or the Emergency Operations Facility. In the event the computer system is unavailable, contact the controllers in the Simulator (Control Room).

17. Controllers must ensure that they are available at their assigned controlling location and that they are easily identified by the participants.

18. Controllers must be thoroughly familiar with the participants' guidelines that establish the basis and extent of the simulation and emergency response.

19. Some reminders:

DO:

- Know the overall controller organization.
- Give yourself time, at least 20 minutes, to setup at your controlling position.
- Locate and test communications for maintaining contact with other controllers.
- Position yourself to maximize your effectiveness in issuing messages and observing the participants.
- Identify yourself at all times to the participants. Always wear controller identification.
- Make sure you understand scenario events.
- Issue messages on time. Make sure participants understand the content.
- Verify that the emergency response is on schedule by checking your scenario.
- Report departures from the scenario to your lead controller.
- Allow participants reasonable flexibility to perform their functions and demonstrate their skill, knowledge and initiative.
- Know what the participants' required actions are by procedure.
- Take accurate and detailed notes on strengths and weaknesses of the emergency response. Complete evaluation forms provided in the scenario book.
- Identify participants by name and function in written critiques.
- Attend all scheduled critique sessions to provide your evaluation of the emergency response.

CONDUCT OF EXERCISE

CONTROLLER/EVALUATOR GUIDELINES

DO NOT:

- Leave your post at key times.
- Criticize participants' actions during the simulation.
- Allow external influences to distract participants' emergency response, i.e. visitors, observers, media, etc.
- Allow free play to be interjected into planned events.
- Allow participants to simulate equipment or supplies if these are actually available for their use, i.e. a dose rate instrument that malfunctions in the field should be replaced, don't let the participant simulate obtaining a replacement or ignore the malfunction.

CONDUCT of EXERCISE

OBJECTIVES

Exercise objectives are provided under this heading. Objectives provide a basis for scenario development and a means to evaluate responses by the emergency response organization.

The Omaha Public Power District radiological emergency preparedness exercise objectives for the Fort Calhoun Station are based on Nuclear Regulatory Commission (NRC) requirements provided in 10CFR50.47, "Emergency Plans," and 10CFR50, Appendix E, "Emergency Planning and Preparedness for Production and Utilization Facilities." Additional guidance provided in NUREG-0654/FEMA-REP-1, Revision 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," was utilized in developing the objectives.

Objectives have been cross-referenced to:

1. NUREG-0654/FEMA-REP-1 Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants" as based on NRC requirements provided in 10 CFR 50, Appendix E, "Emergency Planning and Preparedness for Production and Utilization Facilities."

2. Major OPPD-FCS Procedure(s) used in demonstrating the objective. Other procedures may be applicable but will generally be referenced by, or branched from, the major procedure.

OBJECTIVES (continued)

Accident Assessment and Classification

1. Demonstrate the ability to assess plant conditions using onsite monitoring systems (i.e. geophysical phenomena monitors, radiological monitors, process monitors, and fire detection system) and classify the event per EPIP-OSC-1.

   NUREG-0654: D.1, D.2, H.5, I.1, I.2,
   Major Procedure: EPIP-OSC-1

2. Demonstrate the ability to monitor, assess, project and report offsite consequences of a radiological emergency.

   NUREG-0654: I.1, I.2, H.6
   Major Procedure: EPIP-OSC-2, EPIP-EOF-6

3. Demonstrate the ability to implement protective actions for onsite individuals including plant evacuation of non-essential personnel and initial and continuous accountability of emergency workers remaining in the protected area.

   NUREG-0654: J.1
   Major Procedure: EPIP-OSC-2, EPIP-RR-22

4. Demonstrate the ability to plan recovery actions upon termination of the emergency response phase.

   NUREG-0654: M.1
   Major Procedure: EPIP-EOF-19

Notification, Mobilization and Communication

5. Demonstrate the ability to alert, notify, and mobilize (staff augmentation) OPPD emergency response personnel, contractor personnel, and private organizations.

   NUREG-0654: E.1, E.2, B.7, B.8
   Major Procedure: EPIP-OSC-2, EPIP-OSC-15

OBJECTIVES (continued)

Notification, Mobilization and Communication (continued)

6. Demonstrate the ability to notify and alert Federal, State and Local officials of an emergency classification and provide updates.

   NUREG-0654: E.1, E.3, E.4, B.9
   Major Procedure: EPIP-OSC-2, EPIP-OSC-15

7. Demonstrate the ability to communicate with Federal, State and County agencies.

   NUREG-0654: A.1.e, N.2.a
   Major Procedure: EPIP-OSC-2, EPIP-OSC-15

8. Demonstrate the adequacy of OPPD emergency response staffing and the ability to schedule multiple shifts.

   NUREG-0654: B.5-7,
   Major Procedure: EPIP-RR-17A, EPIP-RR-29

9. Demonstrate that adequate provisions exist for prompt communications between principal response organizations and facilities.

   NUREG-0654: F.1, F.2
   Major Procedure: EPIP-OSC-2, EPIP-OSC-15

Emergency Response

10. Demonstrate the adequacy of site and protected area access control and security.

    NUREG-0654: O.4
    Major Procedure: EPIP-OSC-2, EPIP-RR-17

11. Demonstrate the ability of OPPD to coordinate resources with Federal, State, and County officials and agencies.

    NUREG-0654: C.1-4
    Major Procedure: EPIP-OSC-2

OBJECTIVES (continued)

Emergency Response (Continued)

12. Demonstrate the ability of the Control Room Coordinator, Site Director and Emergency Director to assume Command and Control responsibility.

    NUREG-0654: B.3
    Major Procedure: EPIP-OSC-2

Radiological and Control

13. Demonstrate the ability to recommend offsite protective actions to State and Local authorities.

    NUREG-0654: J.7
    Major Procedure: EPIP-EOF-7

14. Demonstrate the ability to monitor, control, and keep records of emergency worker's radiation exposure.

    NUREG-0654: K.2
    Major Procedure: EPIP-EOF-11

15. Demonstrate the ability to provide onsite contamination control measures including access control; eating, drinking and smoking; personnel and equipment/area decontamination; use of Potassium Iodide; and habitability checks.

    NUREG-0654: K.5, K.6
    Major Procedure: EPIP-EOF-10, EPIP-EOF-11, EPIP-EOF-21

16. Demonstrate the ability to analyze and respond to simulated airborne and/or liquid samples and direct radiation measurements in the environment.

    NUREG-0654: N.2.e(1)
    Major Procedure: EPIP-EOF-11, EPIP-EOF-3

OBJECTIVES (continued)

Radiological and Control (Continued)

17. Demonstrate the ability to analyze inplant liquid samples with elevated radiation levels using the Post Accident Sampling System (PASS) in the "Normal Mode." This demonstration will be scheduled separately from the Exercise scenario. During the Exercise scenario any PASS operations will be simulated in the "Accident Mode." PASS system data may be issued early to allow core damage assessment.

    NUREG-0654: N.2.e(2)
    Major Procedure: CH-SMP-PA-0001, 0002

18. Demonstrate the ability to authorize emergency worker exposure extensions (exceeding PAGs).

    NUREG-0654: K.1, K.2
    Major Procedure: EPIP-EOF-11

Control Room

19. Demonstrate the ability of the Control Room staff to interpret control instrumentation, recognize abnormal events and implement appropriate strategies.

    NUREG-0654: I.1, I.2
    Major Procedure : AOPs, EOPs

20. Demonstrate the ability of the Control Room Shift Supervisor to exercise his authority and responsibility to initiate emergency actions, including providing protective actions to offsite authorities.

    NUREG-0654: B.1, B.2
    Major Procedure : EPIP-OSC-2

21. Demonstrate the ability of the Shift Supervisor/Control Room Coordinator to manage and control emergency actions.

    NUREG-0654: B.1, B.2
    Major Procedure : EPIP-OSC-2

OBJECTIVES (continued)

Control Room (Continued)

22. Demonstrate the ability of the Shift Supervisor or Control Room Coordinator to correctly classify an emergency event.

    NUREG-0654: D.1, D.2
    Major Procedure : EPIP-OSC-1

23. Demonstrate the ability of the Control Room staff to notify onsite personnel of emergency conditions, notify offsite agencies, and maintain communication links with the TSC, OSC, EOF and the NRC if requested.

    NUREG-0654: E.1, E.2, E.3, J.1
    Major Procedure : EPIP-OSC-2

24. Demonstrate the ability of the Control Room staff to recommend offsite protective actions to the states and implement onsite protective actions.

    NUREG-0654: E.3, J.7
    Major Procedure : EPIP-OSC-2, EPIP-EOF-7

25. Demonstrate the ability of the Control Room staff to rapidly perform dose assessments if a release is in progress or anticipated (This function may be assumed by the TSC or EOF).

    NUREG-0654: I.8
    Major Procedure : EPIP-EOF-6

Technical Support Center (TSC)

26. Demonstrate the ability of the Emergency Response Organization to meet the goal of activating the Technical Support Center within one hour following the declaration of an Alert (or higher) classification.

    NUREG-0654: B.6, B.7, H.4
    Major Procedure: EPIP-TSC-1

OBJECTIVES (continued)

Technical Support Center (TSC) (Continued)

27. Demonstrate the adequacy of the TSC facility (including space, comfort, communications, etc).

    NUREG-0654: H.1, F.1
    Major Procedure: EPIP-TSC-1

28. Demonstrate the ability of the TSC Director to manage and control technical support activities in the TSC.

    NUREG-0654: B.7, H.1
    Major Procedure : EPIP-TSC-1, EPIP-RR-11

29. Demonstrate the ability of the TSC to provide adequate and accurate accident assessment and classification support.

    NUREG-0654: H.1, I.1, I.2,
    Major Procedure : EPIP-OSC-1

30. Demonstrate the ability of the TSC during releases (if the TSC is responsible for the dose assessment function) to perform dose assessment functions.

    NUREG-0654: I.1-10
    Major Procedure : EPIP-EOF-6

31. Demonstrate the ability of the TSC to dispatch and coordinate field teams for offsite monitoring (if this function is in the TSC).

    NUREG-0654: I.7-10
    Major Procedure : EPIP-EOF-3, EPIP-RR-72

32. Demonstrate the ability of the TSC and the Site Director to correctly classify events and recommend protective actions to offsite officials (when the Site Director is responsible for this function).

    NUREG-0654: I.1, J.7
    Major Procedure : EPIP-OSC-1, EPIP-EOF-7

OBJECTIVES (continued)

Technical Support Center (TSC) (Continued)

33. Demonstrate the ability of the TSC and the Site Director to communicate with the Control Room, OSC and the EOF, keep onsite personnel informed of plant status, and make initial and follow-up notification to Federal, State, and local officials (when this function is in the TSC).

    NUREG-0654: E.1-3, J.1
    Major Procedure : EPIP-OSC-2

34. Demonstrate the ability of the TSC to ensure that onsite protective actions are implemented.

    NUREG-0654: J.7
    Major Procedure : EPIP-EOF-7

35. Demonstrate the ability of the TSC to assist and support the Control Room.

    NUREG-0654: B.6, B.7, H.1
    Major Procedure : EPIP-TSC-1, EPIP-RR-11

36. Demonstrate the ability of the TSC to evaluate Post-Accident Sampling results, predict core uncovery times, and perform core damage assessments.

    NUREG-0654: I.1, I.2
    Major Procedure : EPIP-TSC-1, EPIP-TSC-8

Operations Support Center (OSC)

37. Demonstrate the ability of the Operations Support Center (OSC) to activate within one hour of the declaration of an Alert (or higher) emergency classification.

    NUREG-0654: B.5, B.7
    Major Procedure : EPIP-OSC-21

OBJECTIVES (continued)

Operations Support Center (OSC) (Continued)

38. Demonstrate the adequacy of the OSC facility (including space, comfort, communications, etc).

    NUREG-0654: H.1
    Major Procedure: EPIP-OSC-21

39. Demonstrate the ability of the OSC Director to manage and control the activities in the OSC.

    NUREG-0654: B.6
    Major Procedure : EPIP-RR-21

40. Demonstrate the ability of the OSC to provide radiological, maintenance, and damage control support to the Control Room.

    NUREG-0654: B.5, B.6, B.7
    Major Procedure : EPIP-OSC-21, EPIP-RR-21, EPIP-OSC-9

Media Release Center (MRC)

41. Demonstrate the ability to activate the Media Release Center, interface with the news media, and coordinate rumor control.

    NUREG-0654: G.3, G.4
    Major Procedure: Crisis Communication Plan

42. Demonstrate the adequacy of the MRC facility (including space, comfort, communications, etc).

    NUREG-0654: G.3, G.4
    Major Procedure: Crisis Communication Plan

OBJECTIVES (continued)

Emergency Operation Facility (EOF)

43. Demonstrate the ability of the Emergency Operations Facility (EOF) to activate within the District's goal of one hour of the declaration of a Site Area Emergency or General Emergency.

    NUREG-0654: H.2, B.3-7
    Major Procedure : EPIP-EOF-1

44. Demonstrate the adequacy of the EOF facility (including space, comfort, communications, etc).

    NUREG-0654: H.1, F.1
    Major Procedure: EPIP-EOF-1

45. Demonstrate the adequacy of EOF access control and security.

    NUREG-0654: O.4
    Major Procedure: EPIP-RR-29

46. Demonstrate the ability of the Emergency Director to manage and control the activities in the EOF.

    NUREG-0654: B.6
    Major Procedure : EPIP-OSC-2

47. Demonstrate the ability of the EOF and the Emergency Director to correctly classify events and recommend protective actions to offsite officials (when the Emergency Director is responsible for this function).

    NUREG-0654: D.1, D.2, J.7
    Major Procedure : EPIP-OSC-1, EPIP-OSC-2, EPIP-EOF-7

48. Demonstrate the ability of the EOF to perform dose assessment and coordinate field team activities.

    NUREG-0654: I.2-10
    Major Procedure : EPIP-EOF-6, EPIP-EOF-3, EPIP-RR-72

OBJECTIVES (continued)

Emergency Operation Facility (EOF) (Continued)

49. Demonstrate the ability of the Emergency Director and the EOF to recommend offsite protective actions to the States.

    NUREG-0654: J.7
    Major Procedure : EPIP-EOF-7

50. Demonstrate the ability of the EOF to make onsite and offsite notifications.

    NUREG-0654: E.1, E.2, E.3, J.1
    Major Procedure : EPIP-OSC-2

51. Demonstrate the ability of the EOF to interact with corporate and offsite officials.

    NUREG-0654: B.6
    Major Procedure : EPIP-EOF-1, EPIP-OSC-2

52. Demonstrate the ability of OPPD to coordinate emergency activities with the State of Iowa within the plume exposure pathway.

    NUREG-0654: C.1, C.2
    Major Procedure : EPIP-EOF-1, EPIP-OSC-2

53. Demonstrate the ability of OPPD to coordinate emergency activities with the State of Nebraska within the plume exposure pathway.

    NUREG-0654: C.1
    Major Procedure : EPIP-EOF-1, EPIP-OSC-2

OBJECTIVES (continued)

Scenario and Evaluation

54. Demonstrate the ability of the Licensee to develop and conduct an exercise that tests a major portion of the basic elements in the licensee, state and local emergency plans.

    NUREG-0654: N.1
    Major Procedure: EPT-20

55. Demonstrate the ability to conduct a post-exercise critique to identify areas requiring additional improvement.

    NUREG-0654: N.4,5
    Major Procedure: EPT-20

OBJECTIVES (continued)

ELEMENTS NOT TO BE DEMONSTRATED IN 1995

- Source term determination - alternate (unmonitored release)
- Activation of OPPD-NPPD assistance
- Off-hours exercise initiation
- Unannounced exercise initiation
- Full participation by state within ingestion pathway-Iowa
- Full participation by state within ingestion pathway-Nebraska
- Alternate severe weather scenario (unless actual severe weather exists, i.e., thunderstorms)
- Contaminated/injured personnel response[1]
- Fire fighting response, both onsite and offsite assistance
- Calculations involving total population exposures

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[1] Onsite and Offsite contaminated/injured personnel response will be conducted separate from the Exercise scenario in accordance with prior agreements between OPPD, medical response agencies, the University of Nebraska Medical Center Radiation Health Center, and FEMA.

CONDUCT OF EXERCISE
EVALUATION FORMS

Evaluation forms for assessing the emergency response are included under this heading.

The evaluation form contains a checklist that is to be used as a guide in determining the outcome of a Exercise Objective. Other evaluation criteria may be use if documented in the Comments section on the evaluation form. There is an evaluation form for each Exercise Objective.

The lead controller/evaluator in each facility must complete a full set of all evaluation forms as viewed from that facility. This evaluation may be completed as a group effort between all of the controller/evaluators in that facility. An objective may be circled "Not Observed" or "Not Applicable" if it is appropriate.

The Exercise Senior Evaluator, with the input of the facility evaluators, will complete a full set of evaluation forms for the final outcome of each Exercise Objective.

Evaluations are to be completed in ink, signed and delivered to the Exercise Senior Controller as soon as possible following termination of exercise activities.

EVALUATION FORM

1. Demonstrate the ability to assess plant conditions using onsite monitoring systems (i.e. geophysical phenomena monitors, radiological monitors, process monitors, and fire detection system) and classify the event per EPIP-OSC-1.

NUREG-0654: D.1, D.2, H5, I.1, I.2 Major Procedure: EPIP-OSC-1

Checklist:

1. Plant instrumentation was monitored and compared to the EAL verification criteria in EPIP-OSC-1 (i.e., area monitor, process monitors, fire detection system, temperature, pressure, level, etc.).
2. Off normal events were compared with the verification criteria in EPIP-OSC-1.
3. Attachments 6.1, 6.2 and 6.3 of EPIP-OSC-1 were used to classify the event.
4. The classification made was correct for the current Mode of Operation.
5. The highest classification for which an EAL is currently met was declared.
6. A proper classification was declared by the Command and Control position.
7. Plant conditions and events were monitored and compared to EAL verification criteria as necessary to determine if reclassification was necessary.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

2. Demonstrate the ability to monitor, assess, project and report offsite consequences of a radiological emergency.

NUREG-0654: I.1, I.2, H.6 Major Procedure: EPIP-OSC-2, EPIP-EOF-6, EPIP-RR-25

Checklist:

1. Monitoring and assessment of in plant instrumentation (i.e. meteorological, area and process monitors) was performed and the offsite consequences were projected and reported or discussed with offsite authorities.

2. Field team samples were assessed during releases, compared to dose assessment projections and the radiological consequences were reported or discussed with offsite authorities.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

3. Demonstrate the ability to implement protective actions for onsite individuals including plant evacuation of non-essential personnel and initial and continuous accountability of emergency workers remaining in the protected area.

NUREG-0654: J.1 Major Procedure: EPIP-OSC-2, EPIP-RR-22

Checklist:

1. Personnel in the Protected Area were warned of the emergency by sounding of the Emergency Alarm and by Gai-tronics announcements.
2. Non-essential personnel were evacuated from the protected area at the Alert classification.
3. A site evacuation of non-essential personnel was simulated to North Omaha Station at SAE/GE.
4. Radiological monitoring of personnel evacuated from the site could be provided by the Protective Measures Coordinator if a site evacuation was simulated.
5. Initial accountability was completed and the names of missing personnel ascertained within 30 minutes of the order to evacuate non-essential personnel from the Protected Area.
6. Continuous accountability of personnel inside the Protected Area (PA) was maintained after initial accountability (Note: non-players may be allowed back into the PA after initial accountability.
7. Provisions exist for protection of workers remaining or arriving onsite (i.e.,respiratory protection, protective clothing, dosimetry, and KI).

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

4. Demonstrate the ability to plan recovery actions upon termination of the emergency response phase.

NUREG-0654: M.1 Major Procedure: EPIP-OSC-2, EPIP-EOF-19

Checklist:

Note: This objective may be demonstrated by discussion with the person with Command and Control responsibility and the designated Recovery Operations Manager.

1. The Command and Control position is able to satisfy the Emergency Termination Guidelines on Attachment 6.3 of EPIP-OSC-2 or is knowledgeable of what actions need to taken to satisfy the conditions.

2. A Recovery Operations Manager is designated.

3. The Recovery Operations Manager schedules initial recovery operations meeting with agenda and personnel required to attend.

4. The Recovery Operations Manager demonstrates an understanding of his duties and responsibilities.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

5. Demonstrate the ability to alert, notify, and mobilize (staff augmentation) OPPD emergency response personnel, contractor personnel, and private organizations.

NUREG-0654: E.1, E.2, B.7, B.8 Major Procedure: EPIP-OSC-2, EPIP-OSC-15

Checklist:

1. ERO personnel with pagers are notified by beeper code of the Emergency Classification.
2. ERO personnel inside the Protected Area are notified by the sounding of the Emergency Alarm and Gai-tronics message.
3. ERO personnel in the Administration Building and Training Center are notified by the building public address system.
4. ERO call out system contacts other ERO members necessary to staff the emergency facilities.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

6. Demonstrate the ability to notify and alert federal, state and local officials of an emergency classification and provide updates.

NUREG-0654: E.1, E.3, E.4, B.9 Major Procedure: EPIP-OSC-2, EPIP-OSC-15

Checklist:

1. FC-1188 is filled out and approved before offsite authorities are notified.
2. Dose assessment results are approved before being faxed to the States.
3. States and counties are notified with 15 minutes of the declaration of an emergency classification.
4. Offsite authorities are updated at least every 60 minutes.
5. The NRC is notified immediately after State/County notifications and not later than 1 hour after the declaration of an emergency.
6. The ability to notify fire and rescue is demonstrated.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

7. Demonstrate the ability to communicate with Federal, State and County agencies.

NUREG-0654: A.1.e, N.2.a Major Procedure: EPIP-OSC-2, EPIP-OSC-15

Checklist:

1. Communication links are maintained between OPPD and Federal, State and local authorities.

2. Contact with the NRC should be maintained after initial contact via the FTS-ENS from at least one facility (commercial line is backup). The ENS Communicator will man the phone when position is filled.

3. Information on radiological conditions is provided as necessary to the states via CHP or COP and to the federal officials via HPN.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

8. Demonstrate the adequacy of OPPD emergency response staffing and the ability to schedule multiple shifts.

NUREG-0654: B.5-7 Major Procedure: EPIP-RR-17A, EPIP-RR-29, Crisis Communication Plan

Checklist:

1. A 24 hour shift schedule is prepared, posted and distributed in Control Room, TSC, OSC, EOF, and the MRC.

2. Personnel on shifts must be listed as qualified on the ERO roster and current addendum memorandum.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

9. Demonstrate that adequate provisions exist for prompt communications between principal response organizations and facilities.

NUREG-0654: F.1, F.2 Major Procedure: EPIP-OSC-2, EPIP-OSC-15

Checklist:

1. Equipment is provided and personnel are available and working to communicate with Federal, State, and County authorities (COP, FT-ENS, CHP, FT-HPN, Fax, ERDS).

2. ERO personnel are knowledgeable of backup communication links (Commercial phone, NAWAS, etc).

3. Communications equipment is provided and working to communicate between facilities and in plant and offsite teams (radios, Gai-tronics, etc).

4. Personnel are knowledgeable of backup communication links between facilities and in plant and offsite teams (Writeboard, Hotlines, ERMS, Gai-tronics, phone lines, etc).

5. Communication links are provided and working to communicate between facilities (phones, Hotlines, etc).

6. Facility public address systems are working.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

10. Demonstrate the adequacy of site and protected area access control and security.

NUREG-0654: O.4 Major Procedure: EPIP-OSC-2, EPIP-RR-17, SCOP-28

Checklist:

1. Measures were implemented to prevent unauthorized personnel from entering the owner controlled property.

2. Only personnel on the Site Emergency Access List were permitted on site and inside the Protected Area.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

11. Demonstrate the ability of OPPD to coordinate resources with Federal, State, County, private, officials and agencies.

NUREG-0654: C.1-4 Major Procedure: EPIP-OSC-2

Checklist:

1. The Emergency Director or designee requests, coordinates, accommodates, and effectively uses the assistance and resources of Federal, State, Local, and private agencies.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

12. Demonstrate the ability of the Control Room Coordinator, Site Director and Emergency Director to assume Command and Control responsibility.

NUREG-0654: B.3 Major Procedure: EPIP-OSC-2

Checklist:

1. The Shift Supervisor is relieved of Command and Control responsibilities as soon as practical, based on plant conditions, and allowed to devote his attention to operation of the plant by the Control Room Coordinator or Site Director.

2. Attachment 6.4 " Relief Checklist:" is used for guidance for assuming Command and Control.

3. The transfer of Command and Control is announced in all emergency facilities.

4. The person assuming Command and Control was aware of:

   A. All Protective Action Recommendations made to the States.
   B. The status of accountability and other onsite protective actions.
   C. When the next "Notification Update" to the States is due.
   D. Current emergency classification and the EAL it is based on.
   E Current plant conditions, priorities and actions being taken to mitigate the accident.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

13. Demonstrate the ability to recommend offsite protective actions to state and local authorities.

NUREG-0654: J.7 Major Procedure: EPIP-EOF-7

Checklist:

1. Any incident requiring a FC-1188 requires a PAR to be issued (the PAR may be "NONE", "Evacuate", etc).
2. The "Emergency Notification" was not delayed while awaiting field team or dose assessment projections.
3. EPIP-EOF-7 Attachment 6.1 was used to determine PARS.
4. EPIP-EOF-7 Attachment 6.2 was used when field team results or dose assessments became available.
5. The PAR issued was correct for existing plant conditions.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

14. Demonstrate the ability to monitor, control, and keep records of emergency worker's radiation exposure.

NUREG-0654: K.2 Major Procedure: EPIP-EOF-11, EPIP-RR-28

Checklist:

1. All personnel entering the protected area have dosimetry.
2. All personnel evacuating the Protected Area, that have dosimetry, keep it.
3. Personnel must use a RWP to enter a RCA unless exempted by appropriate Radiation Protection Personnel under emergency conditions.
4. Authorization is obtained to exceed 10 CFR 20 exposure limits, using FC-EPF-5.
5. If RWP requirements are exempted, Radiation Protection Personnel must accompany any personnel entering a RCA.
6. Access control point is established and maintained per EPIP-RR-28.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

15. Demonstrate the ability to provide onsite contamination control measures including access control, eating, drinking and smoking, personnel and equipment/area decontamination, use of Potassium Iodide, and habitability checks.

NUREG-0654: K.5, K.6 Major Procedure: EPIP-EOF-10, EPIP-EOF-11, EPIP-EOF-21

Checklist:

1. Frisking stations and/or step off pads are established for the Control Room, TSC, and OSC as necessary.
2. Protective clothing is prescribed as necessary for teams and personnel dispatched to the plant.
3. Eating, drinking and smoking are not permitted until habitability checks are done and reviewed.
4. "No eating, drinking and smoking" signs are posted as required.
5. Personnel frisk as necessary when returning from the plant areas, personnel decontamination is performed as necessary.
6. Habitability checks are completed as required in the CR, TSC, and OSC.
7. Potassium Iodide is approved for issue per EPIP-EOF-21.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

16. Demonstrate the ability to analyze and respond to simulated airborne and/or liquid samples and direct radiation measurements in the environment.

NUREG-0654: N.2.e(1) Major Procedure: EPIP-EOF-3, 6,7

Checklist:

1. Field Teams are briefed and dispatched to vehicles at Alert or higher (Standby) and to the field immediately if a release is in progress or imminent.
2. Field teams were able to collect and analyze smears, particulate, and iodine samples in the field per EPIP-EOF-3.
3. Radiation surveys were taken in the field with open and closed readings.
4. Care was exercised when handling samples to prevent cross contamination.
5. Radiation surveys and sample results were communicated promptly to the Field Team Specialist.
6. Field team results were compared to dose assessment results per EPIP-EOF-6.
7. Field team results were compared to EAL verification criteria for possible classification.
8. Field Team results were compared to EPIP-EOF-7 Attachment 6.2 for recommendation of protective actions.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

17. Demonstrate the ability to analyze inplant liquid samples with elevated radiation levels using the Post Accident Sampling System (PASS) in the "Normal Mode", This demonstration will be scheduled separately from the Exercise scenario, During the Exercise scenario the any PASS operations will be simulated in the "Accident Mode." Exercise Pass system data may be issued early to allow core damage assessment.

NUREG-0654: N.2.e(2)
Major Procedure: CH-SMP-PA-0001, 0002

Checklist:

1. An analysis of an RCS liquid sample was completed using the Post Accident Sampling System (PASS). An actual sample should be obtained and analyzed in the "Normal Mode" per the Exercise schedule. The PASS should not be operated during the actual Exercise.

2. During the Exercise phase the plant staff demonstrated a knowledge of the plant conditions necessary for operation of the PASS using the Accident Mode.

3. PASS data was used to determine core damage.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

18. Demonstrate the ability to authorize emergency worker exposure extensions(exceeding PAGs).

NUREG-0654 K.1 - K.2 Major Procedures EPIP-EOF-11, RP-604

Checklist:

1. Requests for exposure extensions were made in accordance with RP-604.
2. Approvals were made in accordance with the guidelines in EPIP-EOF-11.
3. Emergency exposure extensions were based on guidelines in EPIP-EOF-11.
4. The requirements of FC-EPF-5 were met and the form was properly completed.

COMMENTS:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

19. Demonstrate the ability of the Control Room staff to interpret control instrumentation, recognize abnormal events and implement appropriate strategies.

NUREG 0654 I.1 - I.2 — Major Procedures AOPs - EOPs.

Checklist:

1. The Control Room staff properly used plant instrumentation, annunciators and alarms (including area radiation and effluent process monitors) to recognize abnormal events and used the appropriate AOPs and EOPs.

2. Proper AOPs and EOPs were utilized.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

20. Demonstrate the ability of the Control F oom Shift Supervisor to exercise his authority and responsibility to initiate e ergency actions, including providing protective actions to offsite authorities.

NUREG-0654 B.1 - B.2 Major Procedures EPIP-OSC-2

Checklist:

1. When declaring an emergency classification the Shift Supervisor initiated the required onsite protective actions for plant personnel including sounding of the Emergency Alarm, making the appropriate announcements to warn plant personnel, directing plant or site evacuation of non-essential personnel, approving notifications for offsite authorities, and approving offsite protective actions.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

21. Demonstrate the ability of the Shift Supervisor/Control Room Coordinator to manage and control emergency actions.

NUREG 0654 B.1 - B.2 Major Procedure EPIP-OSC-2

Checklist:

1. The checklists in EPIP-OSC-2 were used.
2. The Control Room staff was informed of transfers of Command and Control responsibility.
3. Control Room Briefings were held on a frequent basis.
4. Control Room priorities and direction was understood by the Control Room Staff.
5. The Shift Chemistry Technician and Shift Radiation Protection Technician were used efficiently.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

22. Demonstrate the ability of the Shift Supervisor/Control Room Coordinator to correctly classify an emergency event.

NUREG-0654 D.1 - D.2 Major Procedure EPIP-OSC-1

Checklist:

1. Proper emergency classifications were made using EPIP-OSC-1.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

23. Demonstrate the ability of the Control Room staff to notify onsite personnel of emergency conditions, notify offsite agencies, and maintain communication links with the TSC, OSC EOF and NRC if requested.

NUREG-0654 E.1 - E.2 - E.3 - J.1 Major Procedure EPIP-OSC-2

Checklist:

1. Onsite personnel were notified of emergency conditions per EPIP-OSC-2.
2. Offsite agencies were notified within fifteen (15) minutes of the declaration of an emergency classification.
3. The FC-1188 was completed correctly and approved before notifications were made to offsite agencies.
4. The NRC was informed immediately after informing the states of an emergency classification, but within one (1) hour.
5. Updates were made to offsite agencies at least every 60 minutes using a FC-1188 or EAGLE.
6. The ENS phone was manned continuously after one hour.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

24. Demonstrate the ability of the Control Room staff to recommend offsite protective actions to the states and implement onsite protective actions.

NUREG 0654 E.3 - J.7 Major Procedure EPIP-EOF-7

Checklist:

1. When the Command and Control responsibility was in the Control Room (Shift Supervisor or Control Room Coordinator) the proper Protective Action Recommendations were made to the States per EPIP-EOF-7.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

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Evaluator

EVALUATION FORM

25. Demonstrate the ability of the Control Room staff to rapidly perform dose assessments if a release is in progress or anticipated (this function may be assumed by the TSC or EOF).

NUREG-0654 I.8 Major Procedure EPIP-EOF-6

Checklist:

1. When dose assessment responsibility is in the Control Room, rapid and correct dose assessments were made per EPIP-EOF-6.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

26. Demonstrate the ability of the Emergency Response Organization to meet the goal of activating the Technical Support Center within one hour following the declaration of an Alert or higher classification.

NUREG 0654 B.6 - B.7 - H.4 Major Procedure EPIP-TSC-1

Checklist:

Event Classification Time _____ Actual Activation Time _____

1. Minimum staffing requirements were met.
2. TSC personnel were instructed to place accountability badges in the accountability boxes at the entrance to the facility.
3. Review dose assessment status, the TSC should be prepared to assume dose assessment upon activation. If this is not possible the Site or TSC Director should be prepared to approve dose assessments/PAR that are done in the Control Room and transmitted to the TSC by FAX or other mode.
4. Communications between the TSC Operations Liaison and Control Room were established.
5. Communications between the TSC Communicator and state and local agencies via the COP network or alternative is established.
6. Aperture card file box is unlocked and reader\printer is powered up.
7. Site Director, Control Room, OSC and EOF have been notified of TSC activation.
8. Activation announcement to TSC staff was made.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

27. Demonstrate the comfort of the TSC facility (including Space, Comfort, Communications, etc.).

NUREG 0654 H.1 - F.1 NUREG 0696 Major Procedure EPIP-TSC-1

Checklist:

1. The design of the TSC is functional, uncongested and has technical references readily available to personnel there.
2. The location of the TSC is near the Control Room with unrestricted movement between facilities.
3. The TSC staff consists of sufficient technical, engineering and senior designated licensee officials who are knowledgeable and trained to provide needed support to the Control Room during emergencies.
4. The TSC is large enough to provide uncrowded, unencumbered working space for the maximum number of staff, space for equipment, functional displays of TSC Data, storage of records, etc.
5. A separate room for at least three persons shall be provided for private NRC consultations.
6. Habitability of the TSC is controlled with HEPA and charcoal filter ventilation and radiation monitors capable of indicating continuous radiation dose rates and airborne radioactivity concentrations. These monitoring systems include local alarm systems for early warning of adverse conditions.
7. The TSC had reliable voice communications with the Control Room, OSC, EOF and the NRC. This communication equipment included; NRC/FTS-ENS, HPN, Dedicated dia phone lines between emergency facilities and emergency stations and communications to mobile site monitoring teams.
8. Equipment was provided to gather, store and display data needed to analyze plant conditions.
9. The TSC personnel had access to a repository of plant records and procedures.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

28. Demonstrate the ability of The TSC director to manage and control technical support activities in the TSC.

NUREG 0654 B.7 - H.1 Major Procedure EPIP-RR-11
Checklist:

Checklist:

1. TSC was properly activated in accordance with EPIP-TSC-1.
2. 24 hour staffing for TSC Director and TSC Administrative Logistics Coordinator were established.
3. Access, control and noise levels in TSC area were managed.
4. Activities of the TSC Security, TSC Admin Logistics, Reactor Safety and Protective Measures Coordinator and the TSC Operations and Chemistry Liaisons were maintained.
5. Site Director was kept informed of operational and radiological analyses.
6. Communications within the TSC and with other facilities and agencies were managed.
7. Priorities were established , status boards and personnel were kept abreast of the priorities.
8. Classifications, PARS and Notifications were established and made in accordance with EPIP-OSC-2.
9. TSC Technical Groups performed needed technical analyses of the emergency as plant conditions allowed, iIncluding core damage assessments, radioactive release pathways, etc.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

29. Demonstrate the ability of the TSC to provide adequate and accurate accident assessment and classification support.

NUREG 0654 H.1 - I.1 - I.2 Major Procedure EPIP-OSC-1

Checklist:

1. After TSC activation the TSC technical staff provided technical support to the Command and Control position for accident mitigation and emergency classification.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

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Evaluator

EVALUATION FORM

30. Demonstrate the ability of the TSC during releases (if the TSC is responsible for dose assessment) to perform dose assessment functions.

NUREG 0654 I1-10 Major Procedure EPIP-EOF-6 - EPIP-EOF-7

Checklist:

1. Dose Assessment was performed at least hourly during the release.
2. Using available TSC resources and staff the correct release path was determined.
3. PARs based on plant conditions were prepared by the TSC Ops Liaison. PARS based on radiological concerns were prepared by the TSC Protective Measures Coordinator Group.
4. Dose assessment projections were compared with field team data.
5. Protective Measures Coordinator normally reviewed PARs.
6. Proper PARs were proposed to the Command and Control position for approval.
7. PARs were properly transmitted to local and state agencies.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

31. Demonstrate the ability of the TSC to dispatch and coordinate field teams for offsite monitoring (If this function is in the TSC).

NUREG 0654 Major Procedure EPIP-EOF-3 - EPIP-RR-72

Checklist:

1. Field Team Specialist received proper briefing on plant status, field team activation, meteorological and radiological conditions.

2. Field teams were periodically briefed on plant conditions, projected/known radiological conditions. Field teams were reminded to check their dosimeters and reminded of established dose limits. Team members dose was tracked.

3. The Field Team Specialist directed the field teams to monitoring locations and satisfactorily recorded and interpreted the results.

4. Established 24 hour staffing for the Field Team Specialist position.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

32. Demonstrate the ability of the TSC and the Site Director to correctly classify events and recommend protective actions to off-site officials (When Site Director is responsible for this function).

NUREG 0654 I.1 - J.7 Major Procedure EPIP-OSC-1 - EPIP-EOF-7

Checklist:

1. The event was properly classified based on available information of plant conditions.
2. Attachments 6.1 and 6.2 of EPIP-EOF-7 were reviewed.
3. PARs based on plant conditions were prepared by the TSC Ops Liaison and/or the Site Director.
4. PARs based on radiological conditions were prepared by the TSC Protective Measures Coordinator's group.
5. The PARs were normally reviewed by the Protective Measures Coordinator.
6. The Site Director approved the PARs, the PARS were correct based on available data.
7. PARS were properly transmitted to state and local agencies.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

33. Demonstrate the ability of the TSC and the Site Director to communicate with the Control Room, OSC and EOF, keep on-site personnel informed of plant status and make initial and follow up notifications to federal state and local officials (when that function is in the TSC).

NUREG E 1-3 - J.1 Major Procedure EPIP-OSC-2

Checklist:

1. Communications links were maintained between the TSC and the:

   a. Control Room
   b. OSC
   c. EOF
   d. States and Counties

2. On-site personnel were warned of emergency conditions.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

34. Demonstrate the ability of the TSC to ensure that on-site protective actions are implemented.

NUREG 0654 J.7 Major Procedure EPIP-EOF-7

Checklist:

1. Onsite personnel were kept aware of plant conditions and proper actions were taken to protect the safety of on-site personnel.
2. Onsite personnel were notified of the emegency by the sounding of the emergency alarm and a Gai-tronics announcement.
3. Non-essential personnel were evacuated and inital accountability was completed within 30 minutes and maintain continuously thereafter.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

35. Demonstrate the ability of the TSC to assist and support the Control Room.

NUREG 0654 B.6 - B.7 - H.1 Major Procedure EPIP-TSC-1 - EPIP-RR-11

Checklist.

1. Communication between the Control Room and the TSC was established and maintained. ERFCS/SPDS was operational.
2. Command and Control transfer from the Control Room to the TSC was done in a timely and proficient manner. TSC personnel were briefed and aware of plant conditions and their duties prior to this transfer.
3. Information available on ERMS was accurate and current.
4. Sounding of appropriate plant alarm and gaitronics announcements were coordinated with the Control Room.
5. TSC Staff reviewed the AOPs and EOPs, that the Control had entered and looked ahead for possible problems and recommended feasible resolutions as necessary.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

36. Demonstrate the ability of the TSC to evaluate Post Accident Sampling results, predict core uncovery times and perform core damage assessments.

NUREG 0654 I.1 - I.2 Major Procedures EPIP-TSC-1 - EPIP-TSC-8

Checklist:

1. The TSC made predictions for the time of core uncovery per EPIP-TSC-8.
2. The TSC predicted the amount of core damage per EPIP-TSC-8.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

37. Demonstrate the ability of the OSC to activate within one hour of the declaration of an Alert (or higher) emergency classification.

NUREG 0654 B.5 - B.7 Major Procedure EPIP-OSC-21

Checklist:

Event Declaration Time _____ Actual Activation Time _____

1. Minimum staffing requirements were met.
2. Accountability boundaries and requirements were satisfactorily established.
3. Phones and communication equipment were connected and operational.
4. An announcement was made instructing personnel to turn in accountability cards.
5. Site Director was informed that the OSC was activated.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

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Evaluator

EVALUATION FORM

38. Demonstrate the adequacy of the OSC facility (including space, comfort, communications etc).

NUREG 0654 H.1 NUREG 0696 Major Procedure EPIP-OSC-21

Checklist:

1. The OSC Director effectively maintain control over the OSC.
2. The OSC location is adequate to provide plant logistic support without interfering with Control Room operations.
3. Procedures include a provision for the evacuation of OSC personnel to another area in the event of a hazardous environment.
4. The OSC had direct communications with the Control Room and TSC. The telephone system included at a minimum: one dedicated telephone to the Control Room, one dedicated telephone line to the TSC and one dial telephone capable of reaching on and off-site locations.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

39. Demonstrate the ability of the OSC Director to manage and control the activities of the OSC.

NUREG 0654 B.6 Major Procedure EPIP-RR-21

Checklist:

The OSC Director :

1. Was kept current on plant data obtained from reliable sources.
2. Held briefings to keep OSC personnel aware of plant conditions and events.
3. Coordinated the development of maintenance activities and directed emergency functions of the OSC as required to aid the Site Director in accident mitigation.
4. Ensured that emergency teams were properly equipped, assembled, briefed and dispatched in such a manner that accident mitigation was accomplished in a rapid yet safe fashion.
5. Ensured OSC accountability and accountability of emergency teams.
6. Ensured the habitability checks of the OSC and other occupied areas were performed.
7. Prepared 24 hour work schedule for designated positions.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

40. Demonstrate the ability of the OSC to provide radiological, maintenance and damage control support to the Control Room.

NUREG 0654 B. 5-7 Major Procedures EPIP-OSC-21 - EPIP-RR-21 - EPIP-OSC-9

Checklist:

1. Appropriate personnel were assigned to emergency teams and were promptly briefed and dispatched. Proper precautions were taken to maintain personnel safety and radiological exposure and control.
2. Accountability of emergency teams was maintained.
3. Communications with the Control Room, TSC and inplant teams were maintained.
4. The status of work in progress and its priority was maintained and reported to the Control Room or Site Director.
5. Logs and records of work were adequately maintained.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

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Evaluator

EVALUATION FORM

41. Demonstrate the ability to activate the MRC, interface with the news media, and coordinate rumor control.

NUREG 0654 G.3 - G.4 Crisis Communication Plan

Checklist:

1. The MRC and Rumor Control Center were staffed and activated in a timely manner.
2. The public was supplied with prompt, accurate and significant information using a policy of full disclosure of occurring events at Fort Calhoun Station.
3. The media was kept informed by means of press releases, written materials, briefings, telecasts, radio broadcasts, lectures, conferences and telephone.
4. Recommendations or directives to the public for protective actions including evacuation were coordinated with state and county officials.
5. Rumor Control information was timely and accurate, false rumor trends were recognized and efforts were made to correct them.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

42. Demonstrate the adequacy of the MRC facility (including space comfort, communications, etc.).

NUREG 0654 G.3 - G.4 NUREG 0696 Crisis Communication Plan

Checklist:

1. Supervision of the MRC and Rumor Control Center was adequately maintained. Personnel were kept informed of the plant status and prognosis.

2. Security of the MRC was adequate. Personnel entering the MRC had proper identification and authorization for entry.

3. The MRC had direct communications with the EOF and the plant, equipment was functional. The States had access to communications and required equipment.

4. Press briefings were timely and accurate. The information provided by the States regarding protective actions was complete and timely.

5. Rumor control was properly staffed and informed of events and prognosis. Communication equipment was operational and the proper number of messages were handled.

6. Television and radio broadcasts were monitored for accurate and correct information. An attempt to correct misinformation was made.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

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Evaluator

EVALUATION FORM

43. Demonstrate the ability of the EOF to activate within the Districts goal of one hour of the declaration of a Site Area Emergency or General Emergency.

NUREG 0654 H.2 - B 3-7 Major Procedure EPIP-EOF-1

Checklist:

Event Declaration Time _____ Actual Activation Time _____

1. Minimum staffing requirements were met.
2. All communications equipment or approved backup systems were operational. Communication link tests were completed.
3. Emergency Director was notified of readiness to activate. Emergency Director or designee made appropriate announcement to facility.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

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Evaluator

EVALUATION FORM

44. Demonstrate the adequacy of the EOF facility (including space, communications, etc.).

NUREG 0654 H.1 - F.1 NUREG 0696 Major Procedure EPIP-EOF-1

Checklist:

1. The EOF had facilities for; management of overall licensee emergency response, coordination of radiological and environmental assessment, determination of recommended public protective actions and coordination of emergency response activities with federal, state and local agencies.
2. The EOF was staffed to provide an overall management of resources and the continuous evaluation and coordination of licensee activities during and after the accident. A member of senior management was in charge of all licensee activities in the EOF.
3. The EOF had reliable voice communications and backup systems to the TSC, Control Room, NRC and state and local Emergency Operation Centers. The normal communication path with the Control Room was through the TSC.
4. The EOF had equipment to coordinate radiological monitoring, offsite emergency response activities, disseminate information and provide protective action recommendations to responsible government agencies.
5. The EOF shall have up-to-date plant records, procedures and emergency plans which shall include; Technical Specifications, Operating Procedures, Emergency Operating Procedures, USAR, Plant, State and Local Emergency Plans, Offsite population distribution data, Evacuation Plans and up-to-date P&IDs.

Comments:

FACILITY: CR EOF O[illegible] TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

45. Demonstrate the adequacy of the EOF access control and security.

NUREG 0654 O.4 Major Procedure EPIP-RR-29

Checklist:

1. The Administrative Logistics Manager contacted Security at the Energy Plaza to ensure a Security Officer was dispatched.

2. The Administrative Logistics Manager or a designee maintained security until a Security Officer arrived.

3 Security or designee ensured that all persons entering the EOF or already in the EOF were listed in the access booklet. All personnel entering the EOF or already there were required to show proper identification.

4. The Administrative Logistics Manager oversaw security operations.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

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Evaluator

EVALUATION FORM

46. Demonstrate the ability of the Emergency Director to manage and control the activities in the EOF.

NUREG 0645 B.6 Major Procedures EPIP-OSC-2

Checklist:

1. The EOF was properly activated in accordance with EPIP-EOF-1
2. 24 hour staffing was established.
3. Access, control and noise levels in EOF area were managed.
4. Activities of the EOF key positions were controlled and managed.
5. Communications within the EOF and with other facilities and agencies were managed.
6. Priorities were established, status boards and personnel were kept abreast of the priorities.
7. Classifications, PARS and Notifications were established and made in accordance with EPIP-OSC-2.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

47. Demonstrate the ability of the EOF and the Emergency Director to correctly classify events and recommend protective actions to offsite officials (when the Emergency Director is responsible for this function).

NUREG 0654 D.1 - D.2 - J.7 Major Procedure EPIP-OSC-1 - EPIP-EOF-3 - EPIP-EOF-7

Checklist:

1. The event was properly classified based on available information of plant conditions.
2. Attachments 6.1 and 6.2 of EPIP-EOF-7 were reviewed.
3. PARs based on plant conditions were prepared by the EOF Ops Liaison or Emergency Director.
4. PARs based on radiological conditions were prepared by the EOF Protective Measures Manager's group.
5. The PARs were normally reviewed by the Protective Measures Manager.
6. The Emergency Director approved the PARs, the PARS were correct based on available data.
7. PARS were properly reviewed and transmitted to state and local agencies.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

48. Demonstrate the ability of the EOF to perform dose assessment and coordinate field team activities.

NUREG 0654 I.2-10

Major Procedures: EPIP-EOF-3, EPIP EOF-6, EPIP EOF-RR-72

Checklist:

1. The Field Team Specialist received proper briefing on plant status, field team activation, meteorological and radiological conditions.
2. Field Teams were periodically briefed on plant conditions and projected/known radiological conditions. Field teams were reminded to check their dosimeters and reminded of established dose limits. Team member's dose was tracked.
3. The Field Team Specialist directed the Field Teams to monitoring locations and satisfactorily recorded and interpreted the results.
4. Established 24 hour staffing for Field Team Specialist position.
5. Dose Assessment was performed at least hourly during the release.
6. Using available EOF resources and staff the correct release path was determined.
7. PARs based on plant conditions were prepared by EOF Ops Liaison. Radiological PARs were prepared by EOF Protective Measures Manager's Group.
8. Dose assessment projections were compared with field team data.
9. Protective Measures Manager normally reviewed PARs.
10. Proper PARs were proposed to the Command and Control position for approval.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

49. Demonstrate the ability of the Emergency Director and the EOF to recommend offsite protective actions to the States.

NUREG -0654 J.7 Major Procedure EPIP-EOF-7

Checklist:

1. Attachments 6.1 and 6.2 of EPIP-EOF-7 were reviewed.
2. PARs based on plant conditions were prepared by the EOF Ops Liaison and/or the Emergency Director.
3. PARs based on Radiological conditions were prepared by the EOF Protective Measures Manager's group.
4. The PARs were normally reviewed by the Protective Measures Manager.
5. The Emergency Director approved the PARs, the PARS were correct based on available data.
6. PARS were properly transmitted to state and local agencies.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

50. Demonstrate the ability of the EOF to make onsite and offsite notifications,

NUREG 0654 E.1-3 - J.1 Major Procedures EPIP-OSC-2

Checklist:

1. For upgrades in emergency classifications the EOF coordinated the appropriate notifications to plant personnel per EPIP-OSC-2.

2. Plant personnel were informed of the transfer of Command and Control to the Emergency Director in the EOF.

3. When Command and Control was with the Emergency Director all notifications were made to offsite agencies per EPIP-OSC-2 including States, Counties, and NRC.

4. 60 minute updates were made to the States using EAGLE or FC-1188.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

51. Demonstrate the ability of the EOF to interact with Corporate and offsite officials.

NUREG 0654 B.6 Major Procedures EPIP-EOF-1 EPIP-OSC-2

Checklist:

1. The interface with State officials in the EOF was maintained.

2. OPPD Corporate officials were kept abreast of plant conditions as necessary for media releases.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

_____
Evaluator

EVALUATION FORM

52. Demonstrate the ability of OPPD to coordinate emergency activities with the State of Iowa within the plume exposure pathway.

NUREG 0654 C.1 - C.2 Major Procedures EPIP EOF-1 - EPIP- OSC-2

Checklist:

1. OPPD coordinated with and provided the State of Iowa officials the necessary information needed to implement protective actions and make press releases.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

53. Demonstrate the ability of OPPD to coordinate emergency activities with the State of Nebraska within the plume exposure pathway.

NUREG 0654 C.1 - C.2 Major Procedures EPIP EOF-1 - EPIP- OSC-2

Checklist:

1. OPPD coordinated with and provided the State of Nebraska officials the necessary information needed to implement protective actions and make press releases.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated:

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

54. Demonstrate the ability of the licensee to develop and conduct an exercise that tests a major portion of the basic elements in the licensee, state and local emergency plans.

NUREG 0654 N.1 — Major Procedure EPT-20

Checklist:

1. Scenario information was consistent and technically accurate.
2. Scenario support material, including plant and radiological data supported the main time line.
3. The controller organization was knowledgeable of the scenario and the role of the controller in exercises.
4. Controllers maximized the amount of free play consistent with demands of the scenario.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

EVALUATION FORM

55. Demonstrate the ability to conduct a post exercise critique to identify areas requiring additional improvement.

NUREG 0654 N.4 - N.5 Major Procedure EPT-20

Checklist:

1. Exercise evaluators documented performance of players according to the objectives and evaluation criteria.

2. Lead facility evaluators conducted a facility critique where the players were permitted to give their input and player performance was discussed.

3. A key participant and controller critique was conducted involving inter-facility comments and performance.

4. A final Exercise critique was provided to OPPD management and the NRC identifying any deficiencies, weaknesses, observations, and good practices.

Comments:

FACILITY: CR EOF OSC TSC MRC OVERALL

Objective is Satisfactorily Demonstrated :

YES - YES with comment - NO - NOT OBSERVED - NOT APPLICABLE

Evaluator

FORT CALHOUN STATION

1995

EMERGENCY PREPAREDNESS EXERCISE MANUAL

VOLUME

2

CAUTION: THIS MANUAL CONTAINS CONFIDENTIAL EXERCISE INFORMATION THAT CAN NOT BE SHARED WITH EXERCISE PARTICIPANTS PRIOR TO THE 1995 EMERGENCY PREPAREDNESS EXERCISE SCHEDULED FOR NOVEMBER 14, 1995.

1995

FORT CALHOUN STATION

EMERGENCY PREPAREDNESS EXERCISE

TABLE OF CONTENTS

SCENARIO EVENTS

TABLE OF CONTENTS

SCENARIO EVENTS
NARRATIVE SUMMARY

A narrative summary of the scenario follows:

This narrative summary is intended to present a brief version of the scenario that will unfold as a result of issuing participant messages, operational, and radiological data contained in this scenario.

SCENARIO EVENTS

NARRATIVE SUMMARY

This scenario is based on Diesel Generator #2 becoming inoperable due to damage by a fire, Diesel Generator #1 tripping on overspeed due to a governor failure, an earthquake causing an interfacing system LOCA and Containment failure and structural damage to station facilities. An after shock causes a loss of both 345 and 161 KV offsite power and increases the RCS leak rate. This Station Blackout condition results in a sustained loss of safety injection, the LOCA results in uncovering the reactor core and fuel damage. A release pathway to the environment is created by the interfacing system LOCA to Room 13, to the Auxiliary Building Stack (until Station Blackout), to the Radwaste Building Stack and from the Radwaste Building directly to the environment.

The scenario begins with an **ALERT** being declared due to the fire in Diesel Generator Room #2 affecting one train of ESF. An hour and half later, an earthquake causes HCV-348 to go to the intermediate position (SI-188 lifts), a crack in the piping downstream of HCV-348 in Room 13 (RCS leaks into Room 13), damages to the roll up door between the Auxiliary Building and the Radwaste Building, windows in the Radwaste Building and Maintenance Shop to break, a Potable Water Line in Room 81 to break, and a loss of condenser vacuum.

A **Site Area Emergency** will be declared based on the loss of two fission product barriers. The RCS barrier is lost due to RCS leakage being than 40 gpm (100 gpm total) and the Containment Barrier is lost due to a failu piping extension resulting in a release pathway to the environment.

Dose assessments will need to be made based on two release points the Auxiliary Building Stack and the Radwaste Building Stack).

An after shock causes a loss of the 345 and 161 KV offsite power (a station blackout condition). The station blackout results in a sustained loss of Safety Injection during LOCA conditions. The after shock increases the size of the RCS leak in the piping downstream of HCV-348 to about 970 gpm. A **General Emergency** will be declared based on an imminent core uncovery with a containment failure.

Station blackout will complicate dose assessment due to part of the release being unmonitored. No stack flow will exist for the Auxiliary Building, RM-052 and RM-062 will have no sample pumps running during the station blackout condition. The release will be from Room 13, though the Roll up door to the Radwaste Building, some will go up the Radwaste building stack (RM-043 will be over ranged), the rest will exit the Radwaste Building via the broken windows.

SCENARIO EVENTS

NARRATIVE SUMMARY

Protective Actions Recommendations will be made to the States based on Plant Conditions, General Emergency, and Field Team sample results. Core damage can be minimized by completing repairs to a Diesel Generator, ensuring makeup water is available to the SIRWT, and unjamming and shutting HCV-348 inside the containment.

A recommendation for establishment of recovery operations or termination of the Emergency Classification is made by the Command and Control position.

SCENARIO EVENTS
TIME LINE

The time line for scenario events follows. This time line indicates precise times for those events which occur under the control of the controller organization. Times listed followed by a "+" are estimated and allow for "free play" by the participants. This section also contains a listing of EALS that are related to the scenario and may be used to declare emergency classifications.

SCENARIO EVENTS
TIME LINE

The time line for scenario events follows. This time line indicates precise times for those events which occur under the control of the controller organization. Times listed followed by a "+" are estimated and allow for "free play" by the participants. This section also contains a listing of EALS that are related to the scenario and may be used to declare emergency classifications.

SCENARIO EVENTS

TIME LINE

0700 INITIAL CONDITIONS - The plant is operating in Mode 1 at 100 percent power.

0730 A small lube oil leak forms a pool of oil underneath FO-19-1A and FO-19-1B in Diesel Generator Room #2. The oil starts to burn. Fire detector FD-64-01 alarms in Diesel Generator Room 2. Map on PC-66 shows FD-64-01 in alarm (red). AI-149 in the Upper Electrical Penetration Room is in alarm and reads "RM 64 FLAME DET."

0734 Fire detectors FD-64-03, 04, 05, and 06 alarm indication on PC-66 and AI-149. Diesel Generator #2 Deluge system is actuated, causing a Fire Main Low Pressure alarm and automatic startup of fire pump.

0740 Sprinkler system extinguishes fire in DG-2. Heavy black smoke in DG-2.

0745+ ALERT declared based on EAL 6.2 "Fire Affecting One Train of ESF."

0750+ Fire is out in Diesel Generator Room #2.

0750+ Damage inspection results: Room is full of smoke, water is all over the DG#2 room, lube oil is dripping from a fitting, the inlet hoses to FO-19-2A and FO-19-2B are melted and deformed, and all four spin-on filters are warped.

0900 Earthquake is felt in the plant at all facilities at the Fort Calhoun Station (Lasts about 40 seconds). "STRONG MOTION SEISMIC EVENT IN PROGRESS" alarm is actuated.

0901 CAS receives an alarm on the roll up door between Auxiliary Building and the Radwaste Building (BAST area). Its door has been damaged and is hanging ajar out of it tracks.

0901 HCV-348 indicates intermediate, causing the relief valve SI-188 cycle open and shut relieving to the Pressurizer Quench Tank (about 76 gpm). A 24 gpm RCS leak begins in a small crack in the piping on the containment side of HCV-347 in Room 13. The total RCS leakage is about 100 gpm. Area radiation monitors and the PINGs in Corridor 4 start to raise, and RM-052 and 062 increase. Room 13 is humid and steam can be seen coming from the piping near HCV-347.

SCENARIO EVENTS

TIME LINE

0901+ Diesel Generator #1 Trips on overspeed when started (DG-1 will most likely start on a manually initiated reactor trip following a loss of condenser vacuum). Diesel Generator #1, investigation results in finding the oil line broken on the inlet to the Governor Booster pumps. The oil level in the Governor is empty. The diesel was started with the fuel racks in the full fuel position (normal) with the governor inoperative due to the loss of oil.

0915+ Site Area Emergency declared based on EAL 1.16 "Failure/Challenge to two Fission Product Barriers." RCS barrier is lost due to RCS leakage being greater than 40 gpm. The Containment barrier is lost due to failure of the shutdown cooling suction line cracking, creating a release pathway to the environment.

0915 Potable water line downstream of LCV-1650 (Potable Water Tank PW-1 Level Control Valve) in Room 81 cracks. Potable water leaks out onto the Room 81 Floor at about 100 gpm. Potable water line pressure is about 38 psig. On PI-1601-1 (Water Plant Area) and PI-1601-2 (Water Plant Control Room). Potable water pressure will return to normal pressure 125 psig after the leak is isolated.

0920+ Rupture Disk ruptures on Pressurizer Quench Tank, Containment Area monitors rise.

0940 Loss of condenser vacuum causing a turbine and reactor trip.

1005 A second Earthquake is felt at all facilities at Fort Calhoun Station (lasts about 25 seconds).

1006 Loss of 345 and 161 KV offsite power. Security officer reports that the 345 KV tower just northeast of the protected area has fallen and that 161 KV lines are on the ground. (13.8 power remains to the Warehouse, TSC, Maintenance Shops, C & RP Building, Administration Building, and the Radwaste Building. 13.8 KV is also available to T1B-3C-1B3C transformer).

1006+ System Operations calls the Control Room and informs them they will investigate the Loss of 345 and 161 power.

1010 The RCS leak rate increases through HCV-347 and the crack in the piping near HCV-348 to 970 gpm.

1015+ General Emergency based on EAL 1.19 "Imminent Core Uncovery With Containment Failure or Challenge." Adequate safety injection flow cannot be maintained and a containment failure exists.

SCENARIO EVENTS
TIME LINE

1110+ Core uncovery; core damage begins.

1130+ DG-1 or DG-2 repaired.

1145+ Repair Team unjams HCV-348. HCV-348 is shut.

1200+ Recovery Phase.

1300 Secure from the exercise.

SCENARIO EVENTS

TIME LINE

Emergency Action Levels (EALs) that are related to the scenario and may be used to make emergency classifications::

1. **Alert** based on EAL 6.2 "Fire Affecting One Train of ESF."

2. **Alert** based on EAL 10.4 "Tornado or Earthquake Causing Damage to the Facility."

3. **Site Area Emergency** based on EAL 10.7 "Tornado, Earthquake, or High Winds Damage Safety Related Systems or Components."

4. **Site Area Emergency** based on EAL 4.5 "Busses 1A3 and 1A4 Deenergized for Greater than 15 Minutes."

5. **Site Area Emergency** based on EAL 1.14 "RCS Leakage > 40 gpm and RCS Pressure Continues to Lower after HPSI Injection Begins."

6. **Site Area Emergency** based on EAL 1.16 "Failure/challenge to Two Fission Product Barriers."

7. **Site Area Emergency** based on EAL 8.7 "Dose Assessment or Field Surveys Indicate That Dose Rates or Doses for Site Area Emergency are Exceeded at Site Boundary."

8. **General Emergency** based on EAL 1.19 "Imminent Core Uncovery With Containment Failure or Challenge."

9. **General Emergency** based on EAL 1.20 "Failure/Challenge to Three Fission Product Barriers."

10. **General Emergency** based on EAL 8.9 "Dose Assessment or Field Surveys Indicate That Dose Rates or Doses for General Emergency Are Exceeded at Site Boundary."

SCENARIO EVENTS

EQUIPMENT FAULT AND REPAIR SUMMARY

The Equipment Fault and Repair Summary is a listing of plant equipment that is simulated to be damaged or out of service. For each piece of equipment, the scenario event or time is listed along with the indication (or how the fault is expected to be discovered) and the expected action needed to restore the equipment to service. An expected priority may also be listed.

EQUIPMENT FAULT AND REPAIR SUMMARY			
EQUIPMENT	TIME/EVENT	INDICATION	RESTORATION
Charging Pump CH-1B	Initial Condition, pump tagged out for repacking.	Packing leakage was excessive, Maintenance Order written.	Repack CH-1B per the Maintenance Order. Medium to High Priority.
Small oil line leak on DG-2	Discovered on damage inspection following fire in Diesel Generator Room #2.	Visual damage inspection after the fire, oil still leaking out of fitting due to lube oil system pressure.	Stop the motor-driven circulating oil pump. Repair fitting. High priority.
Rubber hoses connecting Inlet Filter Manifold FO-19-2A and FO-19-2B to the engine fuel racks.	Discovered on damage inspection during the Fire in Diesel Generator Room #2.	Visual damage inspection after the fire reveals that hoses are damaged, some fuel oil is dripping out.	Replace the hoses and prime the fuel oil system. High priority.
Four spin-on fuel filters on Inlet Filter Manifold FO-19-2A and FO-19-2B.	Discovered on damage inspection following fire in Diesel Generator Room #2.	Visual damage inspection after the fire, spin-on filters are warped.	Replace the four spin on fuel filters. High priority.
Auxiliary Building to Radwaste Building Roll up door (1007-1A and 1007-1B).	Earthquake at 0900.	CAS and SAS receives an intrusion alarm on 1007-1A and 1007-1B that will not return to normal. Security Officer investigates and reports damages to door.	Repair door. Low priority.

EQUIPMENT FAULT AND REPAIR SUMMARY			
EQUIPMENT	TIME/EVENT	INDICATION	RESTORATION
Radwaste Building Windows south side and Mezzanine Level Office area.	Earthquake at 0900.	Security Officer/Inspection team finds the windows broken.	Repair. Low priority.
Maintenance shop windows on east side.	Earthquake at 0900.	Personnel in the OSC hear glass breaking.	Repair. Low priority.
HCV-348 Shutdown Cooling Containment Isolation Valve.	Earthquake at 0900.	Valve indicates intermediate.	Repair, valve will not move remotely or manually. High priority to attempt to shut valve.
Piping in Room 13, downstream of HCV-348.	Earthquake at 0900.	RCS leakage indication, raising area monitors in corridor 4, stack monitors increasing, AOP-9, Operator investigating finds steam in RM-13.	Repair piping. Recovery phase repair. What can be done with the RCS coolant that drains to Room 23?
Potable water piping downstream of LCV-1650.	Earthquake at 0900.	Water leaking into Room 81, Low PW-1 Tank Level alarm. Inspection team finds leak.	Isolate leaking piping by shutting PW-529 and PW-530 or shutting PW-289. High Priority. Maintain PW-1 Tank Level. Piping repair is a recovery phase repair.

EQUIPMENT FAULT AND REPAIR SUMMARY			
EQUIPMENT	TIME/EVENT	INDICATION	RESTORATION
Loss of Condenser vacuum	0940	Alarm, Turbine Trip.	Take immediate actions for reactor trip, use atmospheric dump for cooldown. Locate and find condenser leak in Recovery Phase.

SCENARIO EVENTS

MASTER EVENTS SUMMARY

A summary of the master events is provided under this heading.

The summary consists of all scenario messages or events that will be simulated to drive the scenario. The summary includes the MSG NO., TIME, DRILL TIME, TO, FROM, TYPE, MESSAGE, ANTICIPATED RESPONSE, and CONTROLLER NOTES.

Times indicated with a "+" are floating messages or events that may occur before or after the indicated time. These floating events are dependant on the simulator modeling and participant response. The times for floating events are a best guess. Times without the "+" are fixed. Events marked with an "SE" are simulator events which are usually controlled by the Simulator Operator in the simulator instructor booth.

Most of the scenario data including power, temperatures, levels, process monitors, area monitors, and meteorological data is available from the simulator and the simulator ERFCS. This section does not contain scenario data generated by the simulator.

SCENARIO EVENT

MASTER EVENT SUMMARY

MSG NO	TIME	DRILL TIME	TO	FROM	TYPE	MESSAGE	ANTICIPATED RESPONSE	CONTROLLER NOTES
1	-1 Wk	-1 Wk	All Participants	Senior Cntlr	Verbal	Participant Guidelines Briefing	Attend Briefing on Participant Guidelines.	Schedule and conduct participant briefing for the Exercise within one week of the Exercise.
2	-1 Day	-1 Day	Plant Staff	Senior Cntlr	Paper	Exercise Plan of the Day for November 13, 1995. See Attachment.	Review Exercise Plan of the Day.	Distribute the Exercise Plan of the Day one day prior to the Exercise.
3	-1 Day	-1 Day	Operations Supervisor	Senior Cntlr	Paper	Exercise Nite Notes. See Attachment.	Review Exercise Nite Notes.	Distribute the Exercise Nite Notes to the Operations Supervisor one day prior to the Exercise.
4	0630	-0100	Plant Staff	Senior Cntlr	Paper	Exercise Plan of the Day for Nov 14, 1995. See Attached.	Review Exercise Plan of the Day.	Distribute the Exercise Plan of the Day.
5	0700	-0030	CR Staff	CR Lead	Paper	Shift Turnover Log. See Attachment.	Review the Shift Turnover Log.	Conduct a shift turnover with the Exercise Crew.
6	0700	-0030	CR Staff	CR Lead	Verbal SE	Initial Plant Conditions. Plant is in Mode 1 at 100 percent power.	Review initial plant conditions, walk down boards, assume the day shift.	Review initial plant conditions with all shift personnel. The simulator must be running with the batch files.
7	0725	-0005	Shift Personnel	CR Lead, Inplant Cntlrs	Verbal	Commencing Exercise activities.	Monitor and respond to all Exercise activities.	Ensure that all personnel are "on station" and alerted to monitor and respond to Exercise Data.

SCENARIO EVENTS

MASTER EVENTS SUMMARY

MSG NO	TIME	DRILL TIME	TO	FROM	TYPE	MESSAGE	ANTICIPATED RESPONSE	CONTROLLER NOTES
8 SE	0730	0000	SE	Sim. Opr	SE	Fire Alarm AI-149	Respond per ARP. Dispatch the Turbine Building Operator to investigate.	Use the simulator ERF computer time for all simulator events.
9	0730+	0000+	Control Room Staff	CR Lead	Paper	FD-64-01 in alarm. See Attachment.	Investigate Fire detector in Alarm per S.O. G-28 and OI-FP-4.	Provide verbal and paper message at the desk near PC-66.
10	0730+	0000+	Personnel at AI-149.	Inplant Cntlrs	Verbal Paper	AI-149 in Alarm. Reads "RM 64 FLAME DET"	Respond per ARP.	Provide verbal message to participant near AI-149. Tape message near AI-149 in the Electrical Penetration Room.
11	0730+	0000+	Aux. Bldg Opr	Inplant Cntlrs	Verbal	Fire and Heavy smoke in DG-2.	Enter AOP-6 and dispatch Fire Brigade.	Provide this imformation to any participant that enters DG-2 Room.
12	0734	0004	SE	Sim. Opr	SE	Fire Alarm AI-149	Confirm fire in DG-2.	None.
13	0734+	0004+	CR Staff	CR Cntlr	Verbal Paper	FD-64-01, 03, 04, 05 in alarm. See attached sheet.	Confirm fire in DG-2.	Provide the verbal and paper message at the desk near PC-66.
14	0734+	0104+	Participants in EPR.	Inplant Cntlr	Paper Verbal	AI-149 in alarm. Reads FD-64-01, FD-64-03, FD-64-04, FD-64-05 and FD-64-06 in Alarm.	Confirm fire in DG-2.	Tape message near AI-149 in the Electrical Penetration Room.
15	0734	0104	SE	Sim. Opr	SE	DG-2 Deluge Valve actuation.	Respond per ARP.	None.

MASTER EVENTS SUMMARY

MSG NO	TIME	DRILL TIME	TO	FROM	TYPE	MESSAGE	ANTICIPATED RESPONSE	CONTROLLER NOTES
16	0740+	0010+	Inplant Participants	Inplant Cntlrs	Verbal	Sprinklers are actuated and spraying water. DG-2 is full of black smoke.	Evacuate. Fire Brigade combat fire.	Use attached map for location of fire and actuated sprinklers.
17	0750+	0020+	Fire Brigade	Inplant Cntlrs	Verbal	Fire is out.	Report to Control Room.	Provide this information to the Fire Brigade when they enter DG-2 Room to combat the fire and are in a position to earn the information that the fire is out.
18	0750+	0020+	Fire Brigade, OSC Team	Inplant Cntlrs	Verbal	Smoke in DG-2 Room, water is spraying all over DG-2 Room, diesel lube oil is dripping from a fitting, hoses from FO-19-2A and 2B are melted and deformed, all four spin-on filters are warped.	Report damage and initiate cleanup and repairs. Check TS 2.7. Secure all DG-2 auxiliaries.	Provide this information when it is earned.
19	0750+	0020+	Fire Brigade	Inplant Cntlrs	Verbal	Oxygen = 18%, CO 80 ppm, % LEL = 0.0 %. DG-2 Room is full of smoke.	Report results, recommend corrective action.	Provide when personnel earn information. Anyone in DG-2 Room without breathing equipment must leave DG-2 Room or be overcome by smoke.
20	0750+	0020+	Fire Brigade, OSC-Team	Inplant Cntlrs	Verbal	Oxygen = 21%, CO = 0.0 ppm %LEL=0.0 % Smoke is cleared.	Report results, recommend corrective action.	Provide this information 10 minutes after starting to remove smoke in DG-2 Room.
21	0900	0130	SE	Sim. Opr	SE	STRONG MOTION SEISMIC EVENT IN PROGRESS alarm.	Investigate per AOP-01	None.

MASTER EVENTS SUMMARY

MSG NO	TIME	DRILL TIME	TO	FROM	TYPE	MESSAGE	ANTICIPATED RESPONSE	CONTROLLER NOTES
22	0900	0130	CR Staff	CR Lead	Verbal Paper	Seismic System Event Indicator has dropped. Flag has changed from Black to White.	Investigate per AOP-01.	Tape message to panel.
23	0900	0130	All Participants	All Cntlrs	Verbal	Plant is shaking for about 40 seconds due to earth quake.	AOP-01.	Make noise for about 40 seconds.
24	0900	0130	OSC Participants	OSC Cntlrs	Verbal	During the 40 second earthquake the OSC participants hear the sound of the upper level Maintenance Shop (EAST) windows breaking. Wind is blowing into the Maintenance Shop.	Report damage.	Ensure that the direction of the noise (of breaking glass) is known.
25	0900	0130	Sec Officer	Sec Cntlr	Verbal Paper	All windows on the South side of the Radwaste Building are broken. See attached drawing. And one window in the Security Building (SouthEast) is broken.	Report.	Ensure the Security Officer understands which windows are broken.
26	0901	0131	CAS, SAS	Sec Cntlr	Verbal Paper	Intrusion Alarm on Door 1007-1A and 1B. Alarms will not normalize.	Investigate.	None.
27	0901+	0131+	Sec Officer	Sec Cntlr	Verbal	Door 1007-1A and 1007-1B are damaged and hanging ajar.	Report.	None.

MASTER EVENTS SUMMARY

MSG NO	TIME	DRILL TIME	TO	FROM	TYPE	MESSAGE	ANTICIPATED RESPONSE	CONTROLLER NOTES
28	0901	0131	SE	Sim. Opr	SE	HCV-348 moves to an intermediate position and jams.	Attempt to shut HCV-348. Observe and determine the RCS leak rate. AOP-22. Observe greater than 40 gpm RCS leakage.	HCV-348 is stuck in the intermediate position. SI-308 will lift. About 75 gpm will discharge to the Pressurizer Quench Tank.
29	0901	0131	SE	Sim. Opr	SE	Crack develops in piping downstream of HCV-348 in Room 13. About 25 gpm leaks into Room 13.	Investigate. AOP-9. Identify that RCS is leaking into Room 13 bypassing the Containment. Dispatch Auxiliary Building Operator to investigate.	None.
30	0901+	0131+	RM-13 Participants	Inplant Cntlrs	Verbal	Hot (steam) reactor coolant is leaking out of piping on the containment side of HCV-347.	Report.	RM-13 is steamy, humid, and warm. Operators can see the piping that the steam is coming from, but cannot get close to the leak.
31	0901+	0131+	Participants	Inplant Cntlrs	Verbal Paper	Portal Monitors and PCM-1s are in Alarm in the Aux. Bldg. and Radwaste Building. See attached Sheet.	Report to HP, Hand Frisk.	Tape messages to each monitor.
32	0901+	0131+	Opr/Team (RM-13)	Inplant Cntlrs	Verbal	Shoes, hands, shirt, and face are contaminated to about 21, 000 dpm/100cm2.	Report to HP Technician.	Provide information when operator/team leaves the Aux. Bldg. If the PCM-1 is used, it is in alarm, the frisker indicates the contamination.

MASTER EVENTS SUMMARY

MSG NO	TIME	DRILL TIME	TO	FROM	TYPE	MESSAGE	ANTICIPATED RESPONSE	CONTROLLER NOTES
33	0901+	0131+	SE	Sim. Opr	SE	On any start of DG-1, DG-1 trips on over speed.	Investigate.	The over speed of DG-1 is caused by the fuel racks being in the full fuel position and the governor not moving the fuel racks due to a loss of all oil caused by a break in an oil line.
34	0901+	0131+	Opr/team investigating DG-1	Inplant Cntlrs	Verbal Paper	The Annunciator Block on the EDG Gageboard indicates an Overspeed Trip. See attached sheet.	Investigate cause of overspeed trip.	Tape attached sheet to gageboard.
35	0901+	0131+	Opr/OSC Team	Inplant Cntlrs	Verbal Paper	No oil in DG-1 Governor, oil is piping below the governor and area below.	Report. Initiate repairs.	Take time to show the participant where the oil is. Use a flash light.
36	0940	0210	SE	Sim. Opr	SE	Low Level in PW-1	Investigate.	None
37	0940+	0210+	Opr, OSC Team	Inplant Cntlrs	Verbal	Potable water leaking out of piping downstream of LCV-1650. Water is all over the floor of Room 81.	Isolate leak, maintain PW-1 level manually.	The leak rate is about 100 gpm. Leak can be isolated by shutting PW-529, and PW-530 in RM-81 or by shutting DW-289 in the Water Plant.
38	0940+	0210+	Opr	Inplant Cntlrs	Verbal	PI-1601-1 in the Water Plant Control Room and PI-1601-2 in the Water Plant indicate 38 psig. After the leak is isolated the pressure is about 125 psig.	Report.	Give information if it is earned.

SCENARIO EVENTS

MASTER EVENTS SUMMARY

MSG NO	TIME	DRILL TIME	TO	FROM	TYPE	MESSAGE	ANTICIPATED RESPONSE	CONTROLLER NOTES
39	0945	0215	SE	Sim. Opr	SE	Loss of Condenser Vacuum.	Trip the Reactor, use HCV-1040.	None
40	1005	0235	SE	Sim. Opr	SE	An aftershock is felt at the plant for about 25 seconds.	Investigate and report.	Make noise and vibrations.
41	1005	0235	Participants	All Cntlrs	Verbal	After shock is felt at the plant in all facilities except the EOF and MRC.	Investigate and report.	After shock lasts about 25 seconds.
42	1006	0236	SE	Sim. Opr	SE	Loss of 345 and 161 KV off site power.	EOP-20. Reduce DC loads within 15 minutes.	13.8 remains available to the Warehouse, TSC, Maintenance Shops, C & RP Building, Administration Building, and the Radwaste Building. 13.8 KV is also available to T1B-3C-1.
43	1010	0240	SE	Sim. Opr	SE	RCS leak rate via HCV-348 into Room 13 increases to about 970 gpm.	Report.	None
44	1016	0246	Sec Officer	Sec Cntlr	Verbal Paper	345 KV Tower just Northeast of the Protected Area has fallen and 161 KV lines are on the ground. See attached sheet.	Evaluate and brief System Operations.	Ensure the Security Officer understands what tower is down and where the 161 KV lines are at on the ground.
45	1018	0248	CR Staff	CR Lead	Verbal	System Operations requests permission for a repair Team to be dispatched to the Switch Yard at FCS to investigate the damage to 345 and 161 KV lines. Is it safe?	Continue efforts to restore a Diesel Generator.	None.

MASTER EVENTS SUMMARY

MSG NO	TIME	DRILL TIME	TO	FROM	TYPE	MESSAGE	ANTICIPATED RESPONSE	CONTROLLER NOTES
46	1110+	0340+	SE	Sim. Opr	SE	Core Uncovery.	For information only.	Adjust Batch files to coincide with core uncovery.
47	1130+	0400+	Repair Teams	Inplant Oprs	Verbal	Repairs completed to DG-1 or DG-2.	Load Diesel on Bus.	Coordinate the completion of repairs to DG-1 and DG-2 with the Senior Controller. Do not allow participant to report completions of any repairs to DG-1 or DG-2 without first obtaining concurrence from the Senior Controller.
48	1145+	0415+	Repair Team	Inplant Cntlrs	Verbal	HCV-348 is unjammed and Shut.	Start recovery.	Do not provide this message to participants without the OK of the senior controller.
49	1230+	0500+	ED	Senior Eval.	Verbal	Secure from exercise activities. Have each facility conduct a facility Critique.	Conduct Facility Critique.	Each Facility Evaluator should ensure all participants sign attendance sheets, complete a participant comment sheet, collect all logs and records.

CONTROLLER MESSAGES

Scenario messages are provided under this heading.

Messages are issued according to scenario time and upon completion of specific emergency responses by participants. Each message has the following headings "TO", "FROM", the "TYPE", the "MSG NO.", the "TIME", the "DRILL TIME", the "MESSAGE", the "ANTICIPATED RESPONSE", and the "CONTROLLER NOTES".

Messages to be issued during the Exercise will not contain the "ANTICIPATED RESPONSE", or the "CONTROLLER NOTES". These headings are for controller and evaluator use only.

Normally the messages will be issued at the time specified (TIME). The DRILL TIME is the elapsed time for the scenario event and may be used if the Exercise runs off schedule. Times with a "+" are floating events that are dependent on completion of specific responses or actions of participants.

Contingency messages are messages the Senior Controller may direct to be issued to keep the scenario events and time line on schedule. This Exercise Scenario contains no contingency messages. However the Senior Controller may authorize the issuance of a contingency message if it becomes necessary.

Messages with a SE are simulator events and are normally issued or programmed by the simulator operator.

THIS IS A DRILL MESSAGE

TO: All Participants **MSG NUMBER:** 1

FROM: Senior Cntlr **TIME:** -1 Wk

TYPE: Verbal **DRILL TIME:** -1 Wk

MESSAGE:

Participant Guidelines Briefing

ANTICIPATED RESPONSE:

Attend Briefing on Participant Guidelines.

CONTROLLER NOTES:

Schedule and conduct participant briefing for the Exercise within one week of the Exercise.

THIS IS A DRILL MESSAGE

TO: Plant Staff **MSG NUMBER:** 2

FROM: Senior Cntlr **TIME:** -1 Day

TYPE: Paper **DRILL TIME:** -1 Day

MESSAGE:

Exercise Plan of the Day for November 13, 1995. See Attachment.

ANTICIPATED RESPONSE:

Review Exercise Plan of the Day.

CONTROLLER NOTES:

Distribute the Exercise Plan of the Day one day prior to the Exercise.

Attachment To Message # 2

Ft. Calhoun Station Plan of the Day

Omaha Public Power District

Plant Distribution

Monday
11/13/95

THIS IS A DRILL-THIS IS A DRILL-THIS IS A DRILL-THIS IS A DRILL-THIS IS A DRILL-

Ft. Calhoun Station Scheduling

Ft. Calhoun Station Plan of the Day

OPPD

PLANT STATUS AS OF: 11/13/95 6:00

Power Level	100%		RCS Temperature	542.7	F	River Level	990"
Power Level(Reactor)	1496.43	MWT	RCS Pressure	2110	PSI	Riv Temp. (XC094)	69.8F
Power Level(Generator)	465.9	MWE	RCS Leak Rate (Total)	0.011	GPM		
Plant Heat Rate (XC404)	10445	BTU/KW	RCS Leak Rate (Unknown)	-0.025	GPM		
Target Heat Rate	10406	BTU/KW	RCS Boron Concentration	585	PPM		
Fuel Reliability Index	3.63E-3						

PLANT STATISTICS

NUMBER OF DAYS

Continuous Operation This Cycle: **79 Days**
Since last Human Performance LER **291 Days**
Since Last Lost Time Injury **140 Days**
Until Start of Next Refueling Outage: **310 Days**

Year to Date Exposures: (as of 11/10/95)
Actual: 141 REM Goal: 143.1 Person REM
Actual; 119 REM Goal: 125.1 Per REM (Refueling Outage)

Year to Date Contaminations: As of (11/13/95)
Clean Controlled Area Contaminations:
Actual: 49 Goal : 0

SHIFT SUPERVISORS REPORT

1) Charging Pump CH-1C, tagged out for Packing Cooling Pump CH-1C-1 repair.
2) Vacuum Priming Pump VD-7B, tagged out for coupling PMO.

OPERATIONS HOT LIST

None

PRE PLANNED WORK ACTIVITIES: SUBSTATION

Trouble Ticket	Description	Expected Work Date	Approved By FCS
1)	NO NEW WORK ACTIVITIES		

Ft. Calhoun Station Plan of the Day

OPPD

OPERATIONS PRIORITIES*

	Description	Identified/ Scheduled	Work Department/ Resp. Dept.
1)	FW-54 HIGH VIBRATIONS-EMERG USE ONLY-# INSTALL SUPPORTS.	07/01/94 11/18/95	ECN-94-338 WYLIE

* Operations Priorities Listed Do Not Require an Outage
Outage Items are Tracked by Outage Management.
Operator Work Around (OWA)

TECH SPEC LCO'S (Specified Time Length)

	Tech Spec. No.	Components	Description/Action Required	Responsible Department	LCO Expiration Date/Time
None					

TECH SPEC LCO'S (No Time Length)

	Tech Spec. No.	Components	Description/Action Required	Responsible Department	Estimated Return To Service
(1)	2.2	CH-1C	Packing Cooling Pump CH-1C-1	MM	11/14/95

Ft. Calhoun Station Plan of the Day

OPPD

PLANT MANAGERS TOP PRIORITIES

Description	Responsible Department	Estimated Completion Date
1) Fuel Reliability	CH	TRACKING
2) Control Room Improvements-Operations Activities	OPS	12/01/95
3) Training Accreditation	ALL	ON-GOING
4) Rad Dose from SI piping	RP	ON-GOING
5) Reactor Coolant Pump 3D Oil Leak	SE	ON-GOING

FIRE BARRIER IMPAIRMENTS

	Impairment Description/Reason For Impairment Number	Fire Watch	Issued/ Est Closure	Days Impaired
1)	NONE			

MAJOR EQUIPMENT OUT OF SERVICE AFFECTING RELIABILITY

Equipment Tag	Equipment Descrip./Reason Out of Service/Action to Return	Lead Dept.	Expected Return to Service
1) NONE			

CID IMPLEMENTATION TRACKING

	Issue	Accountable Manager	Review Date/ implementation Date
1)	NONE		
2)			

Ft. Calhoun Station Plan of the Day

OPPD

1ST ALERT/REQUIRED ACTION RANGE STATUS

	IST Component	Corrective Action/Remarks	AL/RA	Date Entered
1)	NONE			

SURVEILLANCE TEST NOT PERFORMED BY THE DUE DATE

Procedure Number/Desc.	Freq.	Due Date	Tech Spec. Drop Date	Scheduled Start Date

LICENSING INSPECTIONS

During the Week of Nov 13, 1995 the NRC will be at FCS to perform an Emergency Preparedness Exercise Inspection. The entrance is scheduled for Monday November 13, 1995. The Exit will be Friday November 17, 1995 at 1000 hours. If you have questions contact Erick Matzke at 6855.

THIS IS A DRILL MESSAGE

TO: Operations Supervisor **MSG NUMBER:** 3

FROM: Senior Cntlr **TIME:** -1 Day

TYPE: Paper **DRILL TIME:** -1 Day

MESSAGE:

Exercise Nite Notes. See Attachment.

ANTICIPATED RESPONSE:

Review Exercise Nite Notes.

CONTROLLER NOTES:

Distribute the Exercise Nite Notes to the Operations Supervisor one day prior to the Exercise.

EXERCISE NITE NOTES

1. Give full support tomorrow to the ERO during the Annual Exercise. The Control Room should sound the Emergency Alarm as requested from the TSC or the Simulator.

2. A seismic event was experienced this afternoon near Lincoln, Nebraska. Nothing was felt or detected by the FCS seismic instrumentation.

3. Good luck to the Exercise crew.

THIS IS A DRILL MESSAGE

TO: Plant Staff **MSG NUMBER:** 4

FROM: Senior Cntlr **TIME:** 0630

TYPE: Paper **DRILL TIME:** -0100

MESSAGE:

Exercise Plan of the Day for Nov 14, 1995. See Attached.

ANTICIPATED RESPONSE:

Review Exercise Plan of the Day.

CONTROLLER NOTES:

Distribute the Exercise Plan of the Day.

Attachment to Message # 4

Ft. Calhoun Station Plan of the Day

Omaha Public Power District

Plant Distribution

Tuesday
11/14/95

THIS IS A DRILL - THIS IS A DRILL - THIS IS A DRILL - THIS IS A DRILL - THIS IS A DRILL -

Ft. Calhoun Station Scheduling

Ft. Calhoun Station Plan of the Day

OPPD

PLANT STATUS AS OF: 11/14/95 6:00

Power Level	100%		RCS Temperature	542.7	F	River Level	990'
Power Level(Reactor)	1496.43	MWT	RCS Pressure	2110	PSI	Riv Temp. (XC094)	69.8F
Power Level(Generator)	465.9	MWE	RCS Leak Rate (Total)	0.011	GPM		
Plant Heat Rate (XC404)	10445	BTU/KW	RCS Leak Rate (Unknown)	-0.025	GPM		
Target Heat Rate		10406 BTU/KW	RCS Boron Concentration			585 PPM	
Fuel Reliability Index	3.63E-3						

PLANT STATISTICS

NUMBER OF DAYS

Continuous Operation This Cycle: **80 Days**
Since last Human Performance LER **292 Days**
Since Last Lost Time Injury **141 Days**
Until Start of Next Refueling Outage: **311 Days**

Year to Date Exposures: (as of 11/13/95)
Actual: 141 REM Goal: 143.1 Person REM
Actual; 119 REM Goal: 125.1 Per REM (Refueling Outage)

Year to Date Contaminations: As of (11/13/95)
Clean Controlled Area Contaminations:
Actual: 49 Goal : 0

SHIFT SUPERVISORS REPORT

1) Fire Detectors 4-17 and 4-18 came into alarm on night shift. Both failed tests and were able to be reset shortly after coming in.
2) Add oil to FW-6 outboard pump bearing.
3) Belt squeaking on VA-151-A.

OPERATIONS HOT LIST

None

PRE PLANNED WORK ACTIVITIES: SUBSTATION

Trouble Ticket	Description	Expected Work Date	Approved By FCS
1)	NO NEW WORK ACTIVITIES		
2)			

Ft. Calhoun Station Plan of the Day

OPPD

OPERATIONS PRIORITIES*

	Description	Identified/ Scheduled	Work Departme. & Resp. Dept.
1)	FW-54 HIGH VIBRATIONS-EMERG USE ONLY-# INSTALL SUPPORTS.	07/01/94 11/18/95	ECN-94-338 WYLIE
2)			

* Operations Priorities Listed Do Not Require an Outage
Outage Items are Tracked by Outage Management.
Operator Work Around (OWA)

TECH SPEC LCO'S (Specified Time Length)

	Tech Spec. No.	Components	Description/Action Required	Responsible Department	LCO Expiration Date/Time
1)	NONE				

TECH SPEC LCO'S (No Time Length)

	Tech Spec. No.	Components	Description/Action Required	Responsible Department	Estimated Return To Service
1)	NONE				

Ft. Calhoun Station Plan of the Day

OPPD

PLANT MANAGERS TOP PRIORITIES

Description	Responsible Department	Estimated Completion Date
1) Fuel Reliability	CH	
TRACKING		
2) Control Room Improvements-Operations Activities	OPS	
12/01/95		
3) Training Accreditation	ALL	ON-GOING
4) Rad Dose from SI piping	RP	ON-GOING
5) Reactor Coolant Pump 3D Oil Leak	SE	ON-GOING

FIRE BARRIER IMPAIRMENTS

	Impairment Description/Reason For Impairment Number	Fire Watch	Issued/ Est Closure	Days Impaired
1)	NONE			

MAJOR EQUIPMENT OUT OF SERVICE AFFECTING RELIABILITY

Equipment Tag	Equipment Descrip./Reason Out of Service/Action to Return	Lead Dept.	Expected Return to Service
1) NONE			

CID IMPLEMENTATION TRACKING

	Issue	Accountable Manager	Review Date/ implementation Date
1)	NONE		

Ft. Calhoun Station Plan of the Day

OPPD

1ST ALERT/REQUIRED ACTION RANGE STATUS

	IST Component	Corrective Action/Remarks	AL/RA	Date Entered
1)	NONE			

SURVEILLANCE TEST NOT PERFORMED BY THE DUE DATE

Procedure Number/Desc.	Freq.	Due Date	Tech Spec. Drop Date	Scheduled Start Date

LICENSING INSPECTIONS

During the Week of Nov 13, 1995 the NRC will be at FCS to perform an Emergency Preparedness Exercise Inspection. The entrance is scheduled for Monday November 13, 1995. The Exit will be Friday November 17, 1995 at 1000 hours. If you have questions contact Erick Matzke at 6855.

Ft. Calhoun Station Plan of the Day

THIS IS A DRILL MESSAGE

TO: CR Staff **MSG NUMBER:** 5

FROM: CR Lead **TIME:** 0700

TYPE: Paper **DRILL TIME:** -0030

MESSAGE:

Shift Turnover Log. See Attachment.

ANTICIPATED RESPONSE:

Review the Shift Turnover Log.

CONTROLLER NOTES:

Conduct a shift turnover with the Exercise Crew.

ATTACHMENT TO MESSAGE NO. 5

SHIFT TURNOVER LOG

MODE 1, 2 OR 3

Nov 14, 1995 Days [ ] Afternoon [ ] Nights [ ]

PLANT STATUS:

MODE: 1 [X] 2 [ ] 3 [ ] Rx Power: 100% Rod Position: 126 inches

P_{RCS} (>2075 psia): **2110** psia T_{COLD} (<543 F): **542 F** L_{FZR} (48TO 60%): **60%**

COMMENTS: Boron = 585 ppm

SAFEGUARD STATUS:
(Log any Out of Service Safeguards Equipment, include major fire protection equipment)

NONE.

RECENT TEMP MODS: (Within the last month)

TM NUMBER	DATE	DESCRIPTION
NONE		

RELEASES IN PROGRESS:	YES	NO	RELEASE NO.
Monitor Tank [A or B]	___	X	_____
Waste Gas Decay Tank [A, B, C or B]	___	X	_____
Containment Pressure Reduction	___	X	_____
Lagoon [East or West}	___	X	_____

ATTACHMENT TO MESSAGE NO. 5

SHIFT TURNOVER LOG

MODE 1, 2 OR 3

PROCEDURES and SURVEILLANCE IN PROGRESS/OVERDUE:

TEST	REASON

INSTRUMENT / ANNUNCIATOR STATUS:
(Only applies when Compensatory Action is required)

ITEM/LOCATION	DATE	COMPENSATORY ACTION TAKEN
NONE		

TEMPORARY CLEARANCES:

TAGOUT NO.	EQUIPMENT	REASON
NONE		

MAJOR EQUIPMENT OUT- OF-SERVICE:

EQUIPMENT	DATE / TIME	REASON

ATTACHMENT TO MESSAGE NO. 5

SHIFT TURNOVER LOG

MODE 1, 2 OR 3

TECHNICAL SPECIFICATION LCO'S AND ODCM / SO-G-103 RESTRICTIONS

EQUIP. OOS	DATE/TIME	T.S./ODCM/G-103	REPORT MADE LCO	YES	NO	N/A
NONE						

REMARKS:

	OFF-GOING SHIFT	ON-COMING SHIFT
S.S		
L.S.O.		
L.O.		
*L.O.		
C.R. COMMUNICATOR		
STA		

THIS IS A DRILL MESSAGE

TO: CR Staff **MSG NUMBER:** 6

FROM: CR Lead **TIME:** 0700

TYPE: VerbalSE **DRILL TIME:** -0030

MESSAGE:

Initial Plant Conditions. Plant is in Mode 1 at 100 percent power.

ANTICIPATED RESPONSE:

Review initial plant conditions, walk down boards, assume the day shift.

CONTROLLER NOTES:

Review initial plant conditions with all shift personnel. The simulator must be running with the batch files.

THIS IS A DRILL MESSAGE

TO: Shift Personnel **MSG NUMBER:** 7

FROM: CR Lead, Inplant Cntlrs **TIME:** 0725

TYPE: Verbal **DRILL TIME:** -0005

MESSAGE:

Commencing Exercise activities.

ANTICIPATED RESPONSE:

Monitor and respond to all Exercise activities.

CONTROLLER NOTES:

Ensure that all personnel are "on station" and alerted to monitor and respond to Exercise Data.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 8 SE

FROM: Sim. Opr **TIME:** 0730

TYPE: SE **DRILL TIME:** 0000

MESSAGE:

Fire Alarm AI-149

ANTICIPATED RESPONSE:

Respond per ARP. Dispatch the Turbine Building Operator to investigate.

CONTROLLER NOTES:

Use the simulator ERF computer time for all simulator events.

THIS IS A DRILL MESSAGE

TO: Control Room Staff **MSG NUMBER:** 9

FROM: CR Lead **TIME:** 0730+

TYPE: Paper **DRILL TIME:** 0000+

MESSAGE:

FD-64-01 in alarm. See Attachment.

ANTICIPATED RESPONSE:

Investigate Fire detector in Alarm per S.O. G-28 and OI-FP-4.

CONTROLLER NOTES:

Provide verbal and paper message at the desk near PC-66.

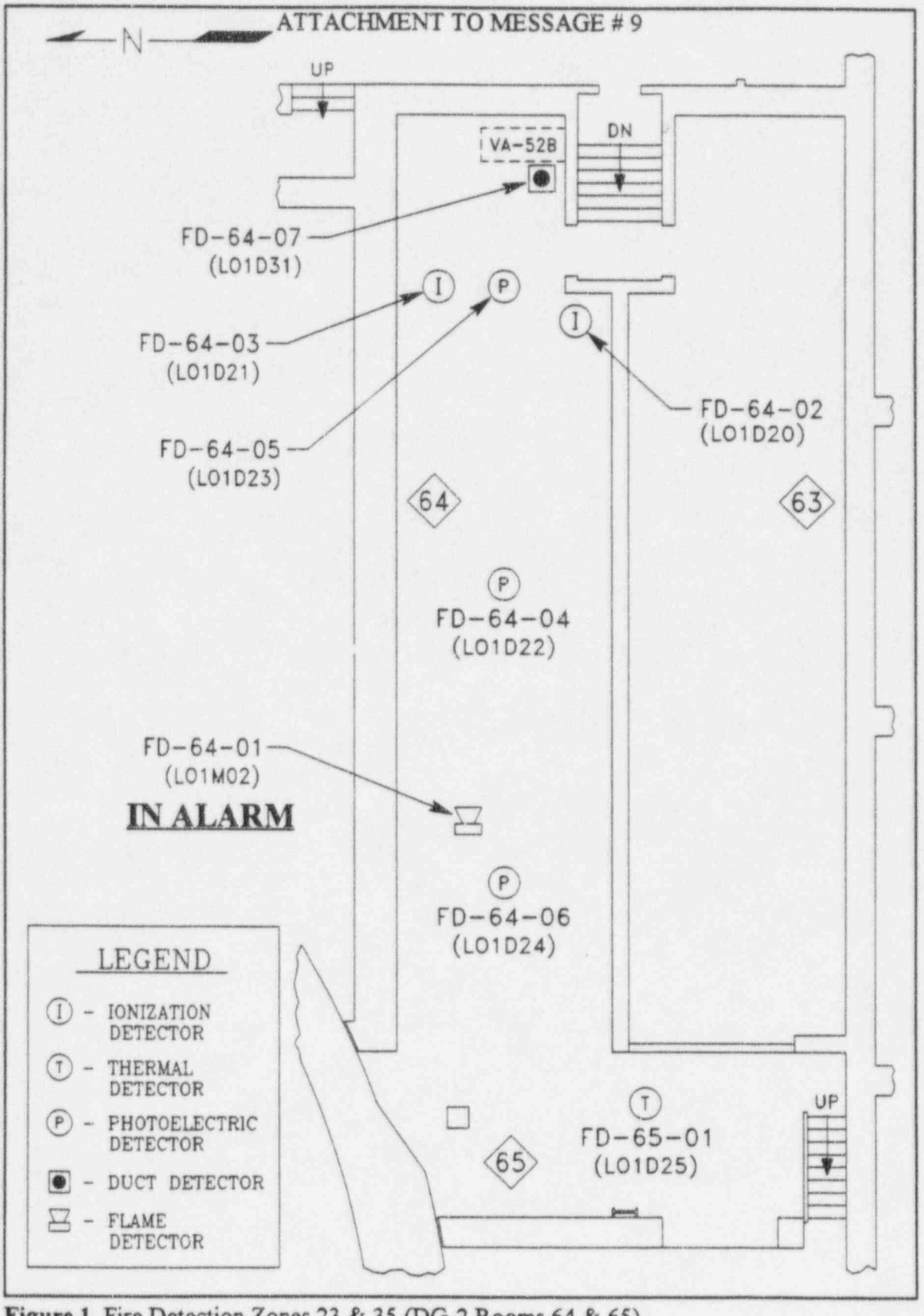


Figure 1, Fire Detection Zones 23 & 35 (DG-2 Rooms 64 & 65)

THIS IS A DRILL MESSAGE

TO: Personnel at AI-149. **MSG NUMBER:** 10

FROM: Inplant Cntlrs **TIME:** 0730+

TYPE: Verbal Paper **DRILL TIME:** 0000+

MESSAGE:

AI-149 in Alarm. Reads "RM 64 FLAME DET"

ANTICIPATED RESPONSE:

Respond per ARP.

CONTROLLER NOTES:

Provide verbal message to participant near AI-149. Tape message near AI-149 in the Electrical Penetration Room.

THIS IS A DRILL MESSAGE

TO: Aux. Bldg Opr **MSG NUMBER:** 11

FROM: Inplant Cntlrs **TIME:** 0730+

TYPE: Verbal **DRILL TIME:** 0000+

MESSAGE:

Fire and Heavy smoke in DG-2.

ANTICIPATED RESPONSE:

Enter AOP-6 and dispatch Fire Brigade.

CONTROLLER NOTES:

Provide this imformation to any participant that enters DG-2 Room.

THIS IS A DRILL MESSAGE

TO: SE

MSG NUMBER: 12

FROM: Sim. Opr

TIME: 0734

TYPE: SE

DRILL TIME: 0004

MESSAGE:

Fire Alarm AI-149

ANTICIPATED RESPONSE:

Confirm fire in DG-2 Room.

CONTROLLER NOTES:

None.

THIS IS A DRILL MESSAGE

TO: CR Staff **MSG NUMBER:** 13

FROM: CR Cntlr **TIME:** 0734+

TYPE: Verbal Paper **DRILL TIME:** 0004+

MESSAGE:

FD-64-01, 03, 04, 05 in alarm. See attached sheet.

ANTICIPATED RESPONSE:

Confirm fire in DG-2 Room.

CONTROLLER NOTES:

Provide the verbal and paper message at the desk near PC-66.

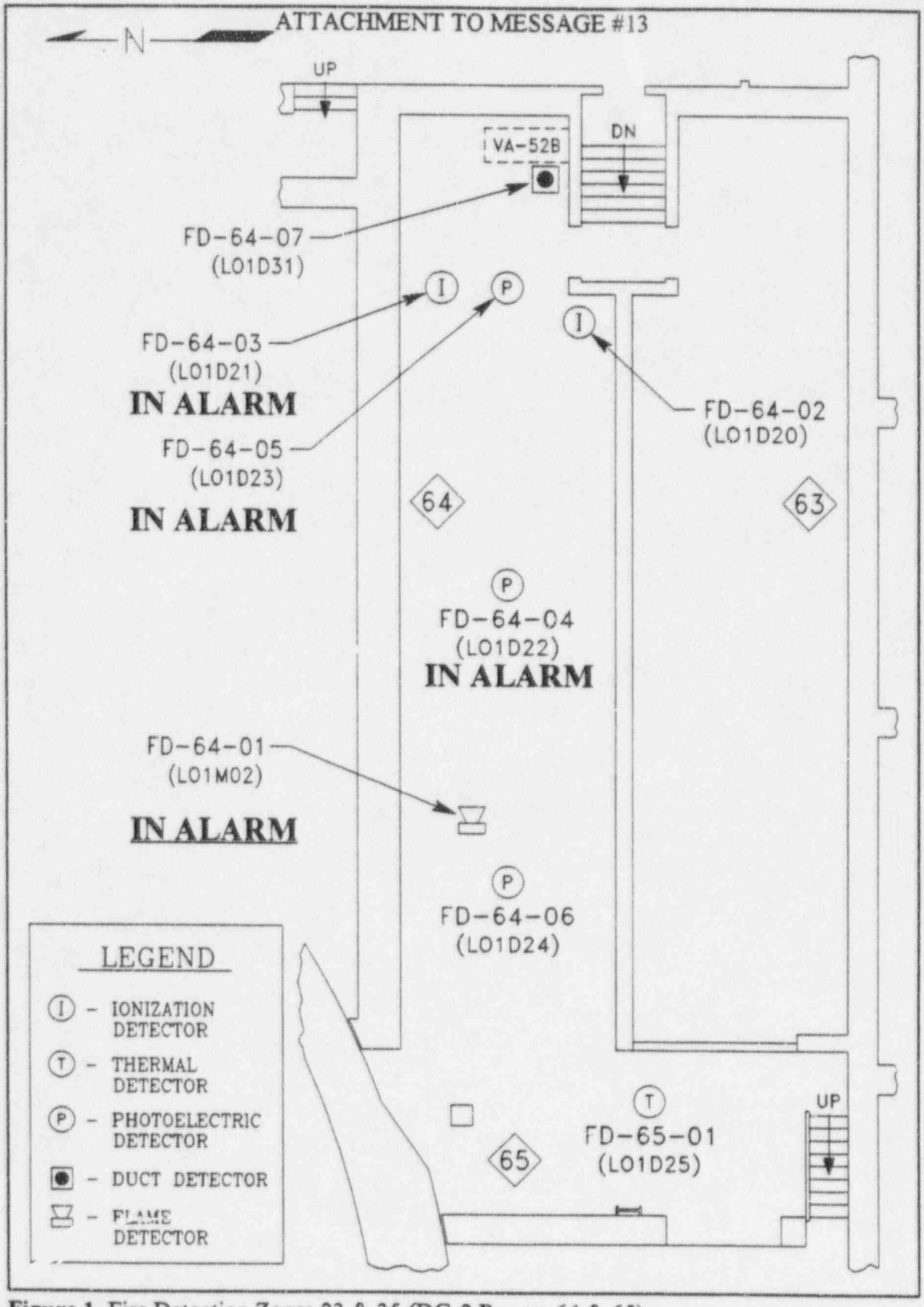


Figure 1, Fire Detection Zones 23 & 35 (DG-2 Rooms 64 & 65)

THIS IS A DRILL MESSAGE

TO: Participants in EPR.

MSG NUMBER: 14

FROM: Inplant Cntlr

TIME: 0734+

TYPE: Paper Verbal

DRILL TIME: 0104+

MESSAGE:

AI-149 in alarm. Reads FD-64-01, FD-64-03, FD-64-04, FD-64-05 and FD-64-06 in Alarm.

ANTICIPATED RESPONSE:

Confirm fire in DG-2 Room.

CONTROLLER NOTES:

Tape message near AI-149 in the Electrical Penetration Room.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 15

FROM: Sim. Opr **TIME:** 0734

TYPE: SE **DRILL TIME:** 0104

MESSAGE:

DG-2 Deluge Valve actuation.

ANTICIPATED RESPONSE:

Respond per ARP.

CONTROLLER NOTES:

None.

THIS IS A DRILL MESSAGE

TO: Inplant Participants **MSG NUMBER:** 16

FROM: Inplant Cntlrs **TIME:** 0740+

TYPE: Verbal **DRILL TIME:** 0010+

MESSAGE:

Sprinklers are actuated and spraying water. DG-2 is full of black smoke.

ANTICIPATED RESPONSE:

Evacuate. Fire Brigade combat fire.

CONTROLLER NOTES:

Use page 2-36 Attachment location of fire and actuated sprinklers.

THIS IS A DRILL MESSAGE

TO: Fire Brigade **MSG NUMBER:** 17

FROM: Inplant Cntlrs **TIME:** 0750+

TYPE: Verbal **DRILL TIME:** 0020+

MESSAGE:

Fire is out.

ANTICIPATED RESPONSE:

Report to Control Room.

CONTROLLER NOTES:

Provide this information to the Fire Brigade when they enter DG-2 Room to combat the fire and are in a position to earn the information that the fire is out.

THIS IS A DRILL MESSAGE

TO: Fire Brigade, OSC Team **MSG NUMBER:** 18

FROM: Inplant Cntlrs **TIME:** 0750+

TYPE: Verbal **DRILL TIME:** 0020+

MESSAGE:

Smoke in DG-2 Room, water is spraying all over DG-2 Room, diesel lube oil is dripping from a fitting, hoses from FO-19-2A and 2B are melted and deformed, all four spin-on filters are warped.

ANTICIPATED RESPONSE:

Report damage and initiate cleanup and repairs. Check TS 2.7. Secure all DG-2 auxiliaries.

CONTROLLER NOTES:

Provide this information when it is earned.

THIS IS A DRILL MESSAGE

TO: Fire Brigade **MSG NUMBER:** 19

FROM: Inplant Cntlrs **TIME:** 0750+

TYPE: Verbal **DRILL TIME:** 0020+

MESSAGE:

Oxygen = 18%, CO 80 ppm, % LEL = 0.0 %. DG-2 Room is full of smoke.

ANTICIPATED RESPONSE:

Report results, recommend corrective action.

CONTROLLER NOTES:

Provide when personnel earn information. Anyone in DG-2 Room without breathing equipment must leave DG-2 Room or be overcome by smoke.

THIS IS A DRILL MESSAGE

TO: Fire Brigade, OSC-Team **MSG NUMBER:** 20

FROM: Inplant Cntlrs **TIME:** 0750+

TYPE: Verbal **DRILL TIME:** 0020+

MESSAGE:

Oxygen = 21%, CO = 0.0 ppm, % LEL=0.0 % and smoke is cleared.

ANTICIPATED RESPONSE:

Report results, recommend corrective action.

CONTROLLER NOTES:

Provide this information 10 minutes after starting to remove smoke in DG-2 Room.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 21

FROM: Sim. Opr **TIME:** 0900

TYPE: SE **DRILL TIME:** 0130

MESSAGE:

STRONG MOTION SEISMIC EVENT IN PROGRESS alarm.

ANTICIPATED RESPONSE:

Investigate per AOP-01

CONTROLLER NOTES:

None.

THIS IS A DRILL MESSAGE

TO: CR Staff **MSG NUMBER:** 22

FROM: CR Lead **TIME:** 0900

TYPE: VerbalPaper **DRILL TIME:** 0130

MESSAGE:

Seismic System Event Indicator has dropped. Flag has changed from Black to White.

ANTICIPATED RESPONSE:

Investigate per AOP-01.

CONTROLLER NOTES:

Tape message to panel.

THIS IS A DRILL MESSAGE

TO: All Participants **MSG NUMBER:** 23

FROM: All Cntlrs **TIME:** 0900

TYPE: Verbal **DRILL TIME:** 0130

MESSAGE:

Plant is shaking for about 40 seconds due to earth quake.

ANTICIPATED RESPONSE:

AOP-01.

CONTROLLER NOTES:

Make noise for about 40 seconds.

THIS IS A DRILL MESSAGE

TO: OSC Participants **MSG NUMBER:** 24

FROM: OSC Cntlrs **TIME:** 0900

TYPE: Verbal **DRILL TIME:** 0130

MESSAGE:

During the 40 second earthquake the OSC participants hear the sound of the upper level Maintenance Shop {EAST) windows breaking. Wind is blowing into the Maintenance Shop.

ANTICIPATED RESPONSE:

Report damage.

CONTROLLER NOTES:

Ensure that the direction of the noise (of breaking glass) is known.

THIS IS A DRILL MESSAGE

TO: Sec Officer **MSG NUMBER:** 25

FROM: Sec Cntlr **TIME:** 0900

TYPE: Verbal Paper **DRILL TIME:** 0130

MESSAGE:

All windows on the South side of the Radwaste Building are broken. See attached drawing. And one window in the Security Building (SouthEast) is broken.

ANTICIPATED RESPONSE:

Report.

CONTROLLER NOTES:

Ensure the Security Officer understands which windows are broken.

THIS IS A DRILL MESSAGE

TO: CAS, SAS **MSG NUMBER:** 26

FROM: Sec Cntlr **TIME:** 0901

TYPE: Verbal Paper **DRILL TIME:** 0131

MESSAGE:

Intrusion Alarm on Door 1007-1A and 1B. Alarms will not normalize.

ANTICIPATED RESPONSE:

Investigate.

CONTROLLER NOTES:

None.

THIS IS A DRILL MESSAGE

TO: Sec Officer **MSG NUMBER:** 27

FROM: Sec Cntlr **TIME:** 0901+

TYPE: Verbal **DRILL TIME:** 0131+

MESSAGE:

Door 1007-1A and 1007-1B are damaged and hanging ajar.

ANTICIPATED RESPONSE:

Report.

CONTROLLER NOTES:

None.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 28

FROM: Sim. Opr **TIME:** 0901

TYPE: SE **DRILL TIME:** 0131

MESSAGE:

HCV-348 moves to an intermediate position and jams.

ANTICIPATED RESPONSE:

Attempt to shut HCV-348. Observe and determine the RCS leak rate. AOP-22. Observe greater than 40 gpm RCS leakage.

CONTROLLER NOTES:

HCV-348 is stuck in the intermediate position. SI-308 will lift. About 75 gpm will discharge to the Pressurizer Quench Tank.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 29

FROM: Sim. Opr **TIME:** 0901

TYPE: SE **DRILL TIME:** 0131

MESSAGE:

Crack develops in piping downstream of HCV-348 in Room 13. About 25 gpm leaks into Room 13.

ANTICIPATED RESPONSE:

Investigate. AOP-9. Identify that RCS is leaking into Room 13 bypassing the Containment. Dispatch Auxiliary Building Operator to investigate.

CONTROLLER NOTES:

None.

THIS IS A DRILL MESSAGE

TO: RM-13 Participants **MSG NUMBER:** 30

FROM: Inplant Cntlrs **TIME:** 0901+

TYPE: Verbal **DRILL TIME:** 0131+

MESSAGE:

Hot (steam) reactor coolant is leaking out of piping on the containment side of HCV-347.

ANTICIPATED RESPONSE:

Report.

CONTROLLER NOTES:

RM-13 is steamy, humid, and warm. Operators can see the piping that the steam is coming from, but cannot get close to the leak.

THIS IS A DRILL MESSAGE

TO: Participants **MSG NUMBER:** 31

FROM: Inplant Cntlrs **TIME:** 0901+

TYPE: Verbal Paper **DRILL TIME:** 0131+

MESSAGE:

Portal Monitors and PCM-1s are in Alarm in the Aux. Bldg. and Radwaste Building. See attached Sheet.

ANTICIPATED RESPONSE:

Report to HP, Hand Frisk.

CONTROLLER NOTES:

Tape messages to each monitor.

THIS IS A DRILL MESSAGE

TO: Opr/Team (RM-13) **MSG NUMBER:** 32

FROM: Inplant Cntlrs **TIME:** 0901+

TYPE: Verbal **DRILL TIME:** 0131+

MESSAGE:

Shoes, hands, shirt, and face are contaminated to about 21, 000 dpm/100cm2.

ANTICIPATED RESPONSE:

Report to HP Technician.

CONTROLLER NOTES:

Provide information when operator/team leaves the Aux. Bldg. If the PCM-1 is used, it is in alarm, the frisker indicates the contamination.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 33

FROM: Sim. Opr **TIME:** 0901+

TYPE: SE **DRILL TIME:** 0131+

MESSAGE:

On any start of DG-1, DG-1 trips on overspeed.

ANTICIPATED RESPONSE:

Investigate.

CONTROLLER NOTES:

The overspeed of DG-1 is caused by the fuel racks being in the full fuel position and the governor not moving the fuel racks due to a loss of all oil caused by a break in an oil line.

THIS IS A DRILL MESSAGE

TO: Opr/team investigating DG-1 **MSG NUMBER:** 34

FROM: Inplant Cntlrs **TIME:** 0901+

TYPE: Verbal Paper **DRILL TIME:** 0131+

MESSAGE:

The Annunciator Block on the EDG Gageboard indicates an Overspeed Trip. See attached sheet.

ANTICIPATED RESPONSE:

Investigate cause of overspeed trip.

CONTROLLER NOTES:

Tape attached sheet to gageboard.

THIS IS A DRILL MESSAGE

TO: Opr/OSC Team **MSG NUMBER:** 35

FROM: Inplant Cntlrs **TIME:** 0901+

TYPE: Verbal Paper **DRILL TIME:** 0131+

MESSAGE:

No oil in DG-1 Governor, oil is piping below the governor and area below.

ANTICIPATED RESPONSE:

Report. Initiate repairs.

CONTROLLER NOTES:

Take time to show the participant where the oil is. Use a flash light.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 36

FROM: Sim. Opr **TIME:** 0940

TYPE: SE **DRILL TIME:** 0210

MESSAGE:

Low Level in PW-1

ANTICIPATED RESPONSE:

Investigate.

CONTROLLER NOTES:

None

THIS IS A DRILL MESSAGE

TO: Opr, OSC Team **MSG NUMBER:** 37

FROM: Inplant Cntlrs **TIME:** 0940+

TYPE: Verbal **DRILL TIME:** 0210+

MESSAGE:

Potable water leaking out of piping downstream of LCV-1650. Water is all over the floor of Room 81.

ANTICIPATED RESPONSE:

Isolate leak, maintain PW-1 level manually.

CONTROLLER NOTES:

The leak rate is about 100 gpm. Leak can be isolated by shutting PW-529, and PW-530 in RM-81 or by shutting DW-289 in the Water Plant.

THIS IS A DRILL MESSAGE

TO: Opr **MSG NUMBER:** 38

FROM: Inplant Cntlrs **TIME:** 0940+

TYPE: Verbal **DRILL TIME:** 0210+

MESSAGE:

PI-1601-1 in the Water Plant Control Room and PI-1601-2 in the Water Plant indicate 38 psig. After the leak is isolated the pressure is about 125 psig.

ANTICIPATED RESPONSE:

Report.

CONTROLLER NOTES:

Give information if it is earned.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 39

FROM: Sim. Opr **TIME:** 0945

TYPE: SE **DRILL TIME:** 0215

MESSAGE:

Loss of Condenser Vacuum.

ANTICIPATED RESPONSE:

Trip the Reactor, use HCV-1040.

CONTROLLER NOTES:

None

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 40

FROM: Sim. Opr **TIME:** 1005

TYPE: SE **DRILL TIME:** 0235

MESSAGE:

An aftershock is felt at the plant for about 25 seconds.

ANTICIPATED RESPONSE:

Investigate and report.

CONTROLLER NOTES:

Make noise and vibrations.

THIS IS A DRILL MESSAGE

TO: Participants **MSG NUMBER:** 41

FROM: All Cntlrs **TIME:** 1005

TYPE: Verbal **DRILL TIME:** 0235

MESSAGE:

After shock is felt at the plant in all facilities except the EOF and MRC.

ANTICIPATED RESPONSE:

Investigate and report.

CONTROLLER NOTES:

After shock lasts about 25 seconds.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 42

FROM: Sim. Opr **TIME:** 1006

TYPE: SE **DRILL TIME:** 0236

MESSAGE:

Loss of 345 and 161 KV off site power.

ANTICIPATED RESPONSE:

EOP-20. Reduce DC loads within 15 minutes.

CONTROLLER NOTES:

13.8 remains available to the Warehouse, TSC, Maintenance Shops, C & RP Building, Administration Building, and the Radwaste Building. 13.8 KV is also available to T1B-3C-1.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 43

FROM: Sim. Opr **TIME:** 1010

TYPE: SE **DRILL TIME:** 0240

MESSAGE:

RCS leak rate via HCV-348 into Room 13 increases to about 970 gpm.

ANTICIPATED RESPONSE:

Report.

CONTROLLER NOTES:

None

THIS IS A DRILL MESSAGE

TO: Sec Officer **MSG NUMBER:** 44

FROM: Sec Cntlr **TIME:** 1016

TYPE: Verbal Paper **DRILL TIME:** 0246

MESSAGE:

345 KV Tower just Northeast of the Protected Area has fallen and 161 KV lines are on the ground. See attached sheet.

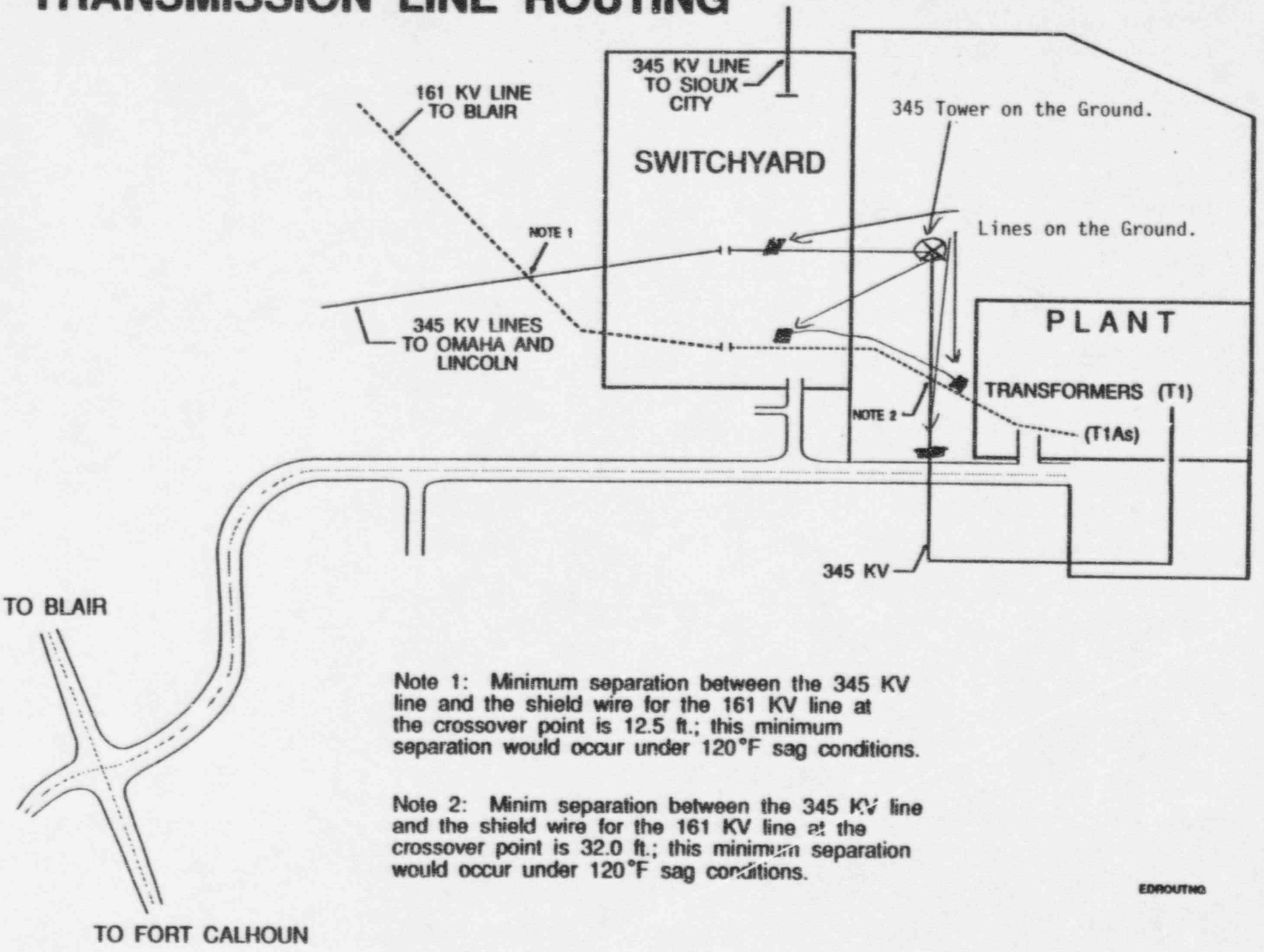
ANTICIPATED RESPONSE:

Evaluate and brief System Operations.

CONTROLLER NOTES:

Ensure the Security Officer understands what tower is down and where the 161 KV lines are at on the ground.

TRANSMISSION LINE ROUTING



Note 1: Minimum separation between the 345 KV line and the shield wire for the 161 KV line at the crossover point is 12.5 ft.; this minimum separation would occur under 120°F sag conditions.

Note 2: Minim separation between the 345 KV line and the shield wire for the 161 KV line at the crossover point is 32.0 ft.; this minimum separation would occur under 120°F sag conditions.

EDROUTNG

2-67 ATTACHMENT

THIS IS A DRILL MESSAGE

TO: CR Staff **MSG NUMBER:** 45

FROM: CR Lead **TIME:** 1018

TYPE: Verbal **DRILL TIME:** 0248

MESSAGE:

System Operations requests permission for a repair Team to be dispatched to the Switch Yard at FCS to investigate the damage to 345 and 161 KV lines. Is it safe?

ANTICIPATED RESPONSE:

Continue efforts to restore a Diesel Generator.

CONTROLLER NOTES:

None.

THIS IS A DRILL MESSAGE

TO: SE **MSG NUMBER:** 46

FROM: Sim. Opr **TIME:** 1110+

TYPE: SE **DRILL TIME:** 0340+

MESSAGE:

Core Uncovery.

ANTICIPATED RESPONSE:

For information only.

CONTROLLER NOTES:

Adjust Batch files to coincide with core uncovery.

THIS IS A DRILL MESSAGE

TO: Repair Teams **MSG NUMBER:** 47

FROM: Inplant Oprs **TIME:** 1130+

TYPE: Verbal **DRILL TIME:** 0400+

MESSAGE:

Repairs completed to DG-1 or DG-2.

ANTICIPATED RESPONSE:

Load Diesel on Bus.

CONTROLLER NOTES:

Coordinate the completion of repairs to DG-1 and DG-2 with the Senior Controller. Do not allow participant to report completions of any repairs to DG-1 or DG-2 without first obtaining concurrence from the Senior Controller.

THIS IS A DRILL MESSAGE

TO: Repair Team **MSG NUMBER:** 48

FROM: Inplant Cntlrs **TIME:** 1145+

TYPE: Verbal **DRILL TIME:** 0415+

MESSAGE:

HCV-348 is unjammed and Shut.

ANTICIPATED RESPONSE:

Start recovery.

CONTROLLER NOTES:

Do not provide this message to participants without the OK of the senior controller.

THIS IS A DRILL MESSAGE

TO: ED **MSG NUMBER:** 49

FROM: Senior Eval. **TIME:** 1230+

TYPE: Verbal **DRILL TIME:** 0500+

MESSAGE:

Secure from exercise activities. Have each facility conduct a facility Critique.

ANTICIPATED RESPONSE:

Conduct Facility Critique.

CONTROLLER NOTES:

Each Facility Evaluator should ensure all participants sign attendance sheets, complete a participant comment sheet, collect all logs and records.

CONTROLLER RADIOLOGICAL DATA

Controller Radiological Data is included in this section.

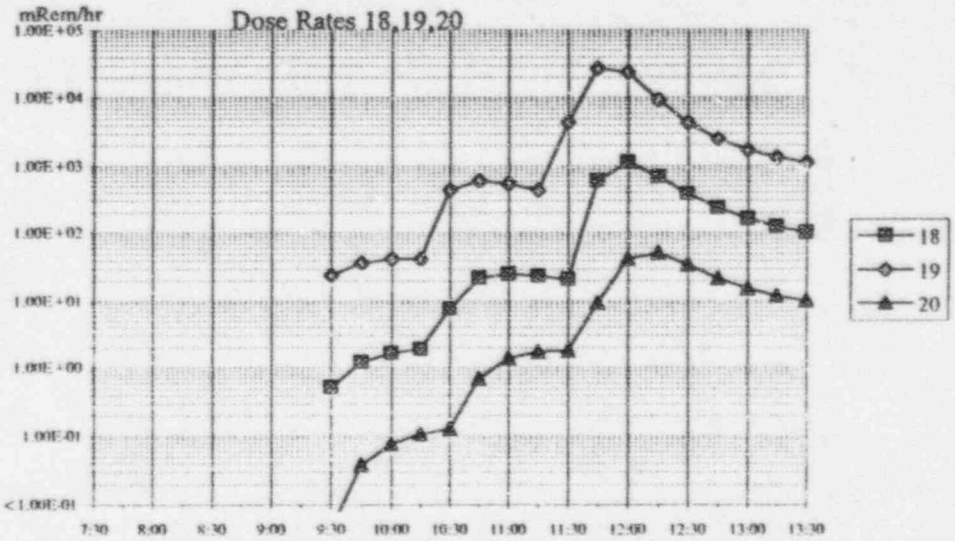
Controller Radiological Data is for use by controllers to provide verbal radiological data to participants in the plant. Data is provided in the form of charts, graphs and maps. Most of the data is provided in fifteen minute time intervals by areas.

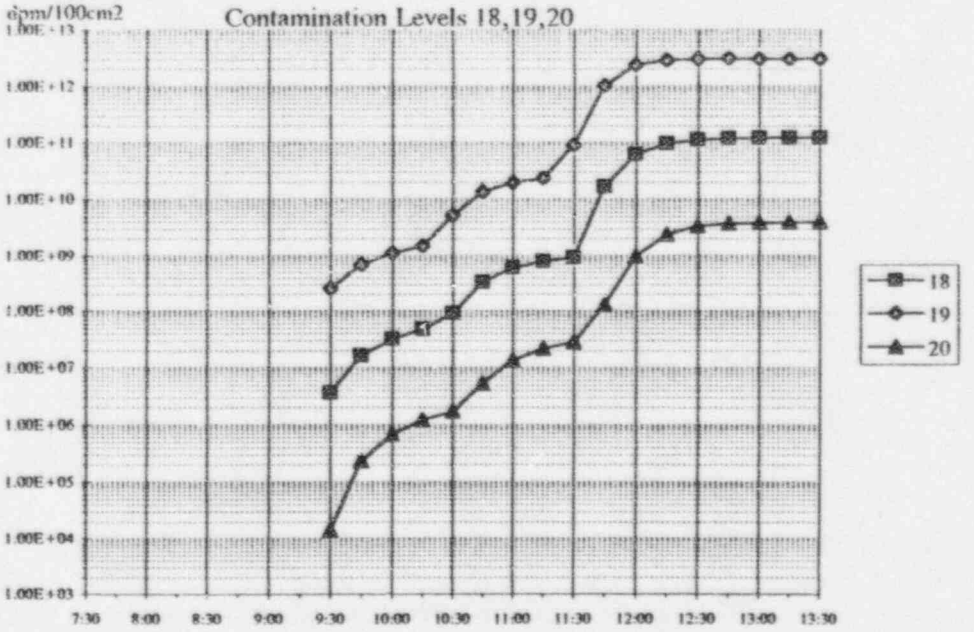
If no data is provided for an area of the plant, the controller should inform the participant that radiological data is "AS READ" or background.

Controller must taken care to ensure that data is earned by the participants before provided. Data must be given for the correct time and in the correct units. All data from this section is to be given verbally.

RADIOLOGICAL DATA
AUXILIARY BUILDING - CORRIDOR 26 FUEL/WAST, BAST, RM-60 SAMPLING AREAS

Time	Dose Rates mRem/hr			Contamination Levels dpm/100cm2		
Elev	1007-1025'	1007-1025'	1007-1025'	1007-1025'	1007-1025'	1007-1025'
Descript	Corr. 26 SW Fuel/Waste	Corr.26 West BAST Area	RM-60 Sample Rm	Corr. 26 SW Fuel/Waste	Corr. 26 West BAST Area	RM-60 Sample Rm
Area	18	19	20	18	19	20
7:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
7:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:30	5.15E-01	2.41E+01	<1.00E-01	3.61E+06	2.55E+08	1.40E+04
9:45	1.20E+00	3.63E+01	<1.00E-01	1.61E+07	6.83E+08	2.29E+05
10:00	1.62E+00	4.17E+01	<1.00E-01	3.19E+07	1.11E+09	6.67E+05
10:15	1.84E+00	4.19E+01	1.06E-01	4.75E+07	1.49E+09	1.19E+06
10:30	7.59E+00	4.31E+02	1.26E-01	9.18E+07	5.23E+09	1.70E+06
10:45	2.19E+01	6.05E+02	6.95E-01	3.33E+08	1.34E+10	5.26E+06
11:00	2.48E+01	5.38E+02	1.36E+00	5.98E+08	1.95E+10	1.34E+07
11:15	2.34E+01	4.36E+02	1.69E+00	7.95E+08	2.30E+10	2.17E+07
11:30	2.09E+01	4.35E+03	1.78E+00	9.14E+08	9.10E+10	2.78E+07
11:45	6.07E+02	2.65E+04	9.33E+00	1.63E+10	1.01E+12	1.29E+08
12:00	1.14E+03	2.32E+04	4.14E+01	6.18E+10	2.33E+12	9.70E+08
12:15	6.82E+02	9.14E+03	5.08E+01	9.65E+10	2.86E+12	2.37E+09
12:30	3.81E+02	4.24E+03	3.41E+01	1.13E+11	3.01E+12	3.30E+09
12:45	2.33E+02	2.45E+03	2.15E+01	1.19E+11	3.03E+12	3.71E+09
13:00	1.59E+02	1.70E+03	1.50E+01	1.22E+11	3.02E+12	3.84E+09
13:15	1.22E+02	1.34E+03	1.18E+01	1.22E+11	2.99E+12	3.87E+09
13:30	1.01E+02	1.12E+03	9.96E+00	1.22E+11	2.97E+12	3.86E+09

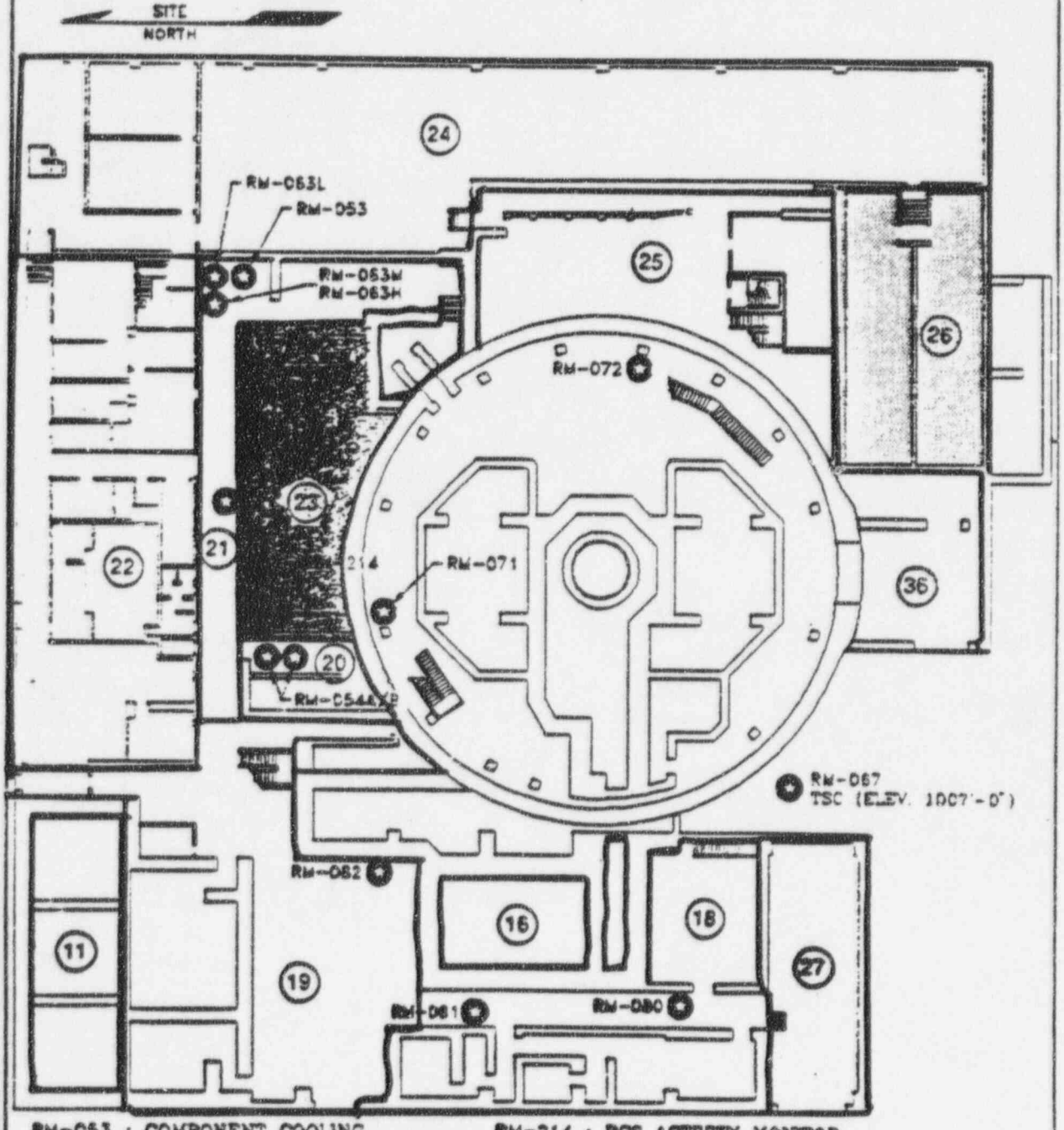




Area Descriptions:

18	Corr. 26 SWFuel/Waste
19	Corr.26 WestBAST Area
20	RM-60Sample Rm

PROCESS AND AREA MONITOR LOCATIONS
AUXILIARY BUILDING (ELEV. 1007'-0" & 1013'-0")



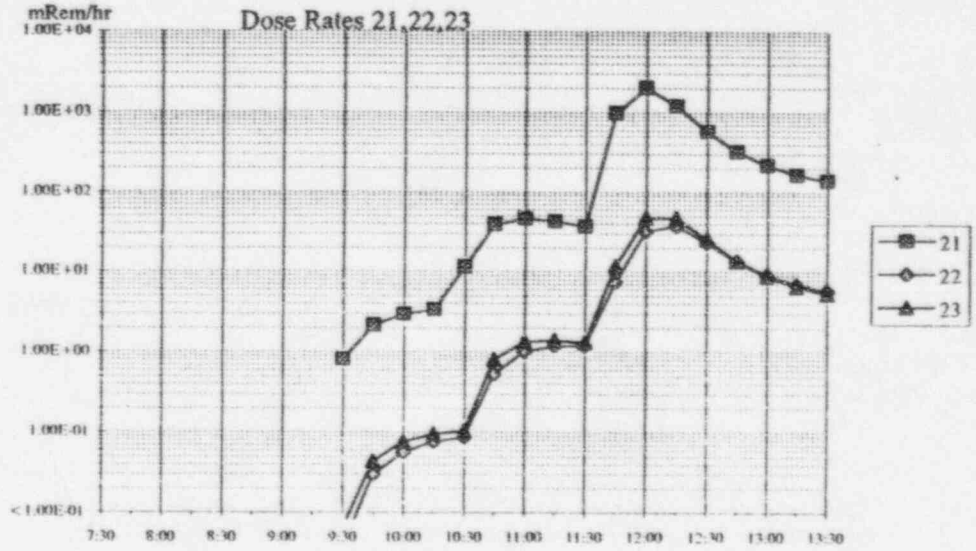
RM-053 : COMPONENT COOLING
RM-054A : STEAM GENERATOR BLOWDOWN
RM-054B : STEAM GENERATOR BLOWDOWN
RM-063L : STACK AS NORMAL
RM-063M : STACK AS MEDIUM ACCIDENT
RM-063H : STACK AS HIGH ACCIDENT

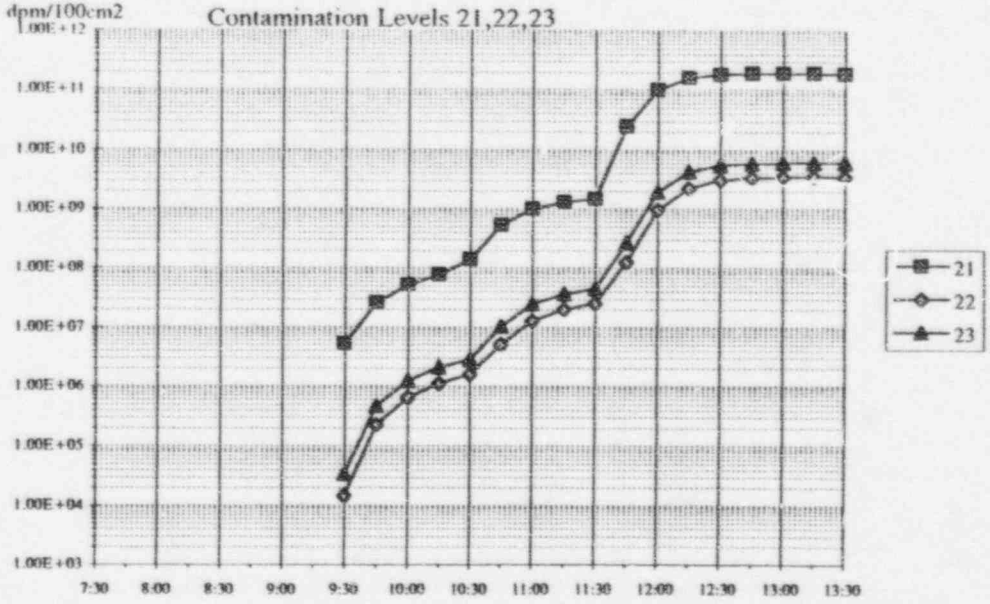
RM-214 : RCS ACTIVITY MONITOR
RM-067 : PING
RM-071 : AREA MONITOR
RM-072 : AREA MONITOR
RM-080 : AREA MONITOR
RM-081 : AREA MONITOR
RM-082 : AREA MONITOR
RM-084 : AREA MONITOR

RADIOLOGICAL DATA

AUXILIARY BUILDING - CORRIDOR-26 HALLWAY/PAL, COUNT RM/DRESSOUT AREA, RM-59 PIPE PENTRATION

Time	Dose Rates mRem/hr			Contamination Levels dpm/100cm2		
Elev	1007-1025'	1007-1025'	1007-1025'	1007-1025'	1007-1025'	1007-1025'
Descript	Corr. 26 Hallway/PAL	Count Rm Dressout Are	RM-59 ipe Pentratio	Corr. 26 Hallway/PAL	Count Rm Dressout Area	Rm 59 Pipe Pentration
Area	21	22	23	21	22	23
7:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
7:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:30	8.05E-01	<1.00E-01	<1.00E-01	5.21E+06	1.43E+04	3.36E+04
9:45	2.14E+00	<1.00E-01	<1.00E-01	2.56E+07	2.25E+05	4.67E+05
10:00	2.93E+00	<1.00E-01	<1.00E-01	5.16E+07	6.35E+05	1.23E+06
10:15	3.32E+00	<1.00E-01	<1.00E-01	7.67E+07	1.11E+06	2.06E+06
10:30	1.14E+01	<1.00E-01	1.03E-01	1.39E+08	1.55E+06	2.80E+06
10:45	3.89E+01	5.39E-01	8.00E-01	5.24E+08	5.04E+06	1.01E+07
11:00	4.60E+01	1.01E+00	1.32E+00	9.69E+08	1.27E+07	2.42E+07
11:15	4.27E+01	1.19E+00	1.40E+00	1.28E+09	2.01E+07	3.66E+07
11:30	3.69E+01	1.18E+00	1.29E+00	1.45E+09	2.52E+07	4.45E+07
11:45	9.73E+02	7.36E+00	1.17E+01	2.44E+10	1.26E+08	2.70E+08
12:00	2.00E+03	3.23E+01	4.76E+01	9.83E+10	9.44E+08	1.93E+09
12:15	1.20E+03	3.72E+01	4.70E+01	1.57E+11	2.24E+09	4.26E+09
12:30	5.78E+02	2.31E+01	2.52E+01	1.80E+11	3.04E+09	5.48E+09
12:45	3.20E+02	1.36E+01	1.36E+01	1.86E+11	3.36E+09	5.91E+09
13:00	2.14E+02	9.04E+00	8.64E+00	1.87E+11	3.46E+09	6.03E+09
13:15	1.65E+02	6.88E+00	6.45E+00	1.87E+11	3.48E+09	6.03E+09
13:30	1.38E+02	5.70E+00	5.30E+00	1.85E+11	3.46E+09	6.00E+09

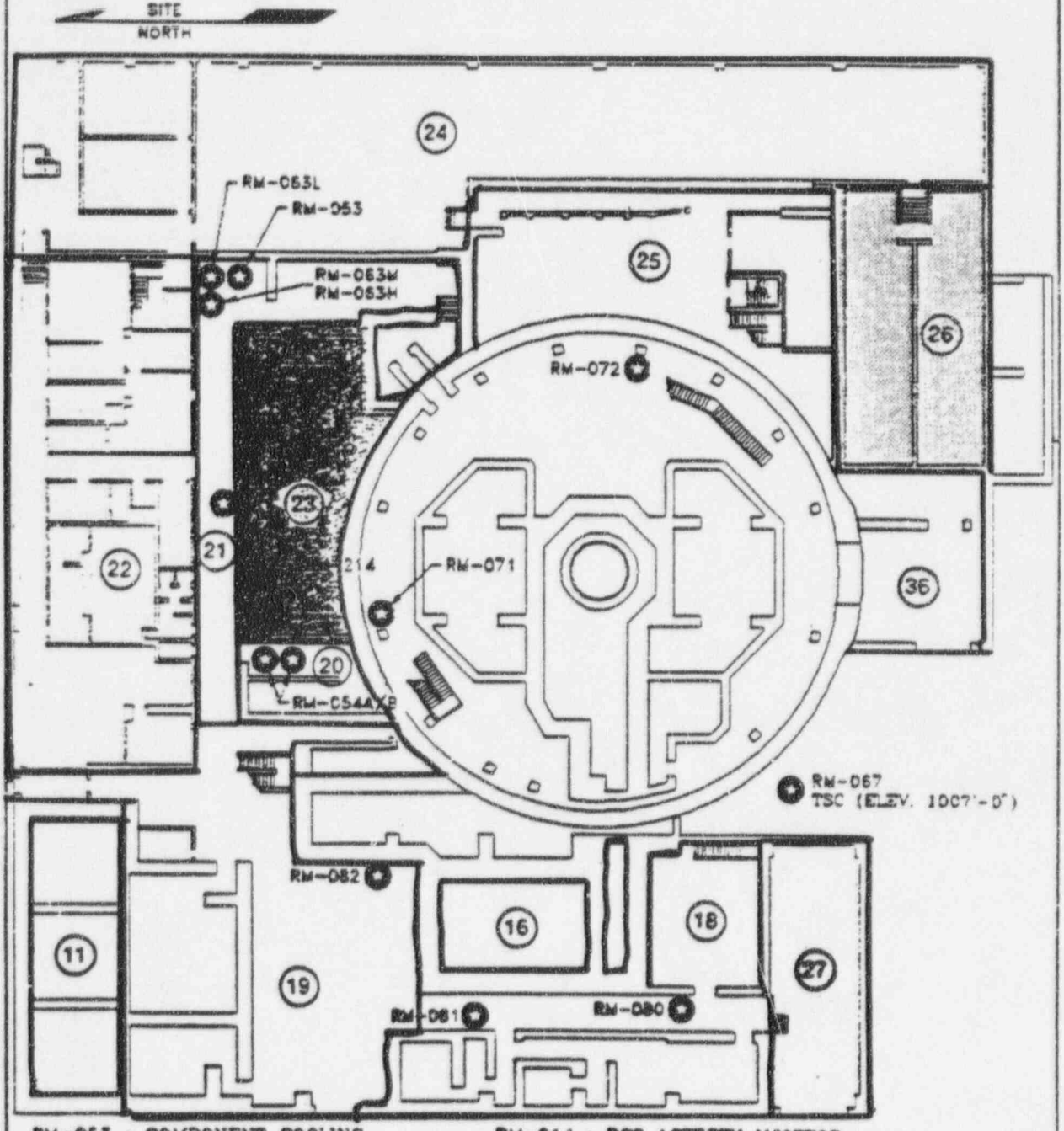




Area Descriptions:

21	Corr. 26
22	Count Rm
23	RM-59Pipe Pentration

PROCESS AND AREA MONITOR LOCATIONS
AUXILIARY BUILDING (ELEV. 1007'-0" & 1013'-0")



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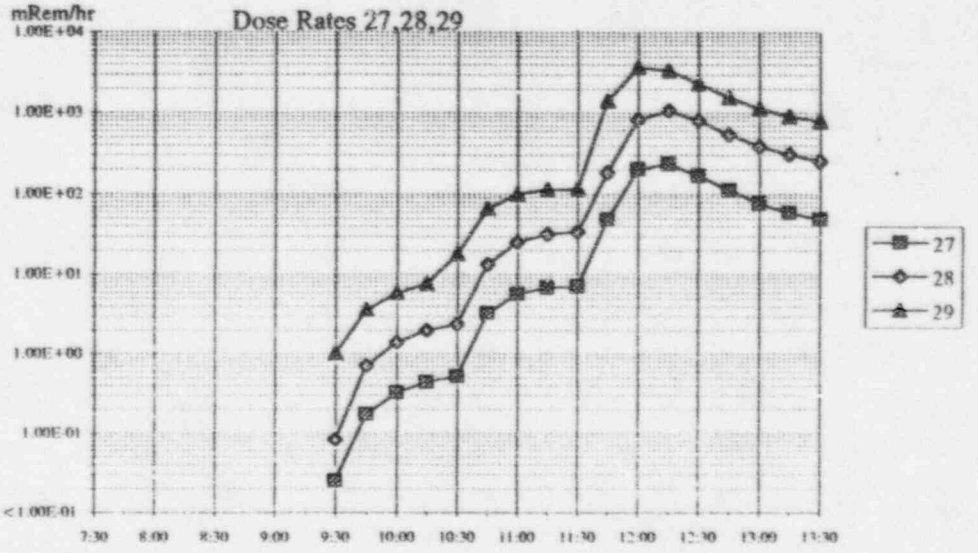
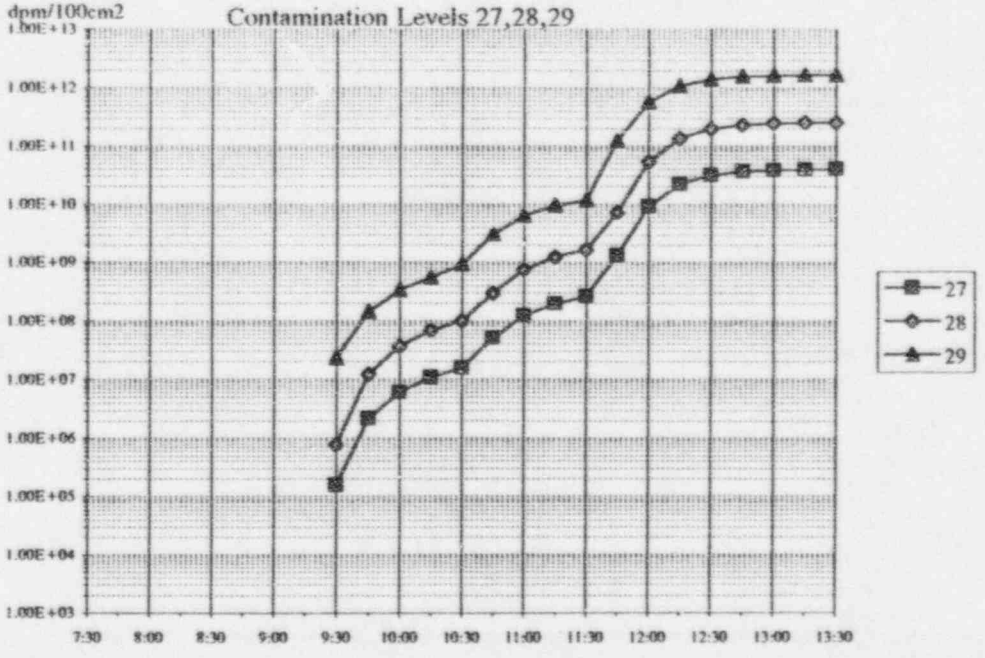
RM-072 : AREA MONITOR
RM-080 : AREA MONITOR
RM-081 : AREA MONITOR
RM-082 : AREA MONITOR
RM-084 : AREA MONITOR

RADIOLOGICAL DATA
AUXILIARY BUILDING RAILROD SIDING, RM-67, RM-69 WEST

Time	Dose Rates mRem/hr			Contamination Levels dpm/100cm2		
Elev	1007-1036'	1025-1080'	1025-1080'	1007-1036'	1025-1080'	1025-1080'
Descript	Railroad Siding	Room 67 1025' Level	Room 69 West	Railroad Siding	Room 67 1025' Level	Room 69 West
Area	27	28	29	27	28	29
7:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
7:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:30	<1.00E-01	<1.00E-01	1.03E+00	1.55E+05	7.56E+05	2.31E+07
9:45	1.75E-01	7.05E-01	3.58E+00	2.15E+06	1.22E+07	1.41E+08
10:00	3.24E-01	1.41E+00	5.88E+00	6.04E+06	3.63E+07	3.28E+08
10:15	4.40E-01	1.99E+00	7.61E+00	1.08E+07	6.69E+07	5.39E+08
10:30	5.14E-01	2.40E+00	1.78E+01	1.55E+07	9.81E+07	9.09E+08
10:45	3.27E+00	1.33E+01	6.63E+01	5.01E+07	2.91E+08	3.07E+09
11:00	5.73E+00	2.54E+01	9.92E+01	1.22E+08	7.42E+08	6.40E+09
11:15	6.78E+00	3.18E+01	1.12E+02	1.97E+08	1.24E+09	9.49E+09
11:30	7.00E+00	3.41E+01	1.15E+02	2.56E+08	1.64E+09	1.17E+10
11:45	4.87E+01	1.84E+02	1.40E+03	1.30E+09	7.11E+09	1.20E+11
12:00	2.00E+02	8.21E+02	3.66E+03	9.14E+09	5.24E+10	5.62E+11
12:15	2.34E+02	1.06E+03	3.38E+03	2.17E+10	1.32E+11	1.08E+12
12:30	1.67E+02	7.96E+02	2.31E+03	3.09E+10	1.94E+11	1.41E+12
12:45	1.11E+02	5.41E+02	1.55E+03	3.59E+10	2.29E+11	1.57E+12
13:00	7.68E+01	3.85E+02	1.13E+03	3.82E+10	2.46E+11	1.65E+12
13:15	5.84E+01	2.99E+02	9.01E+02	3.92E+10	2.52E+11	1.67E+12
13:30	4.83E+01	2.52E+02	7.73E+02	3.95E+10	2.54E+11	1.68E+12

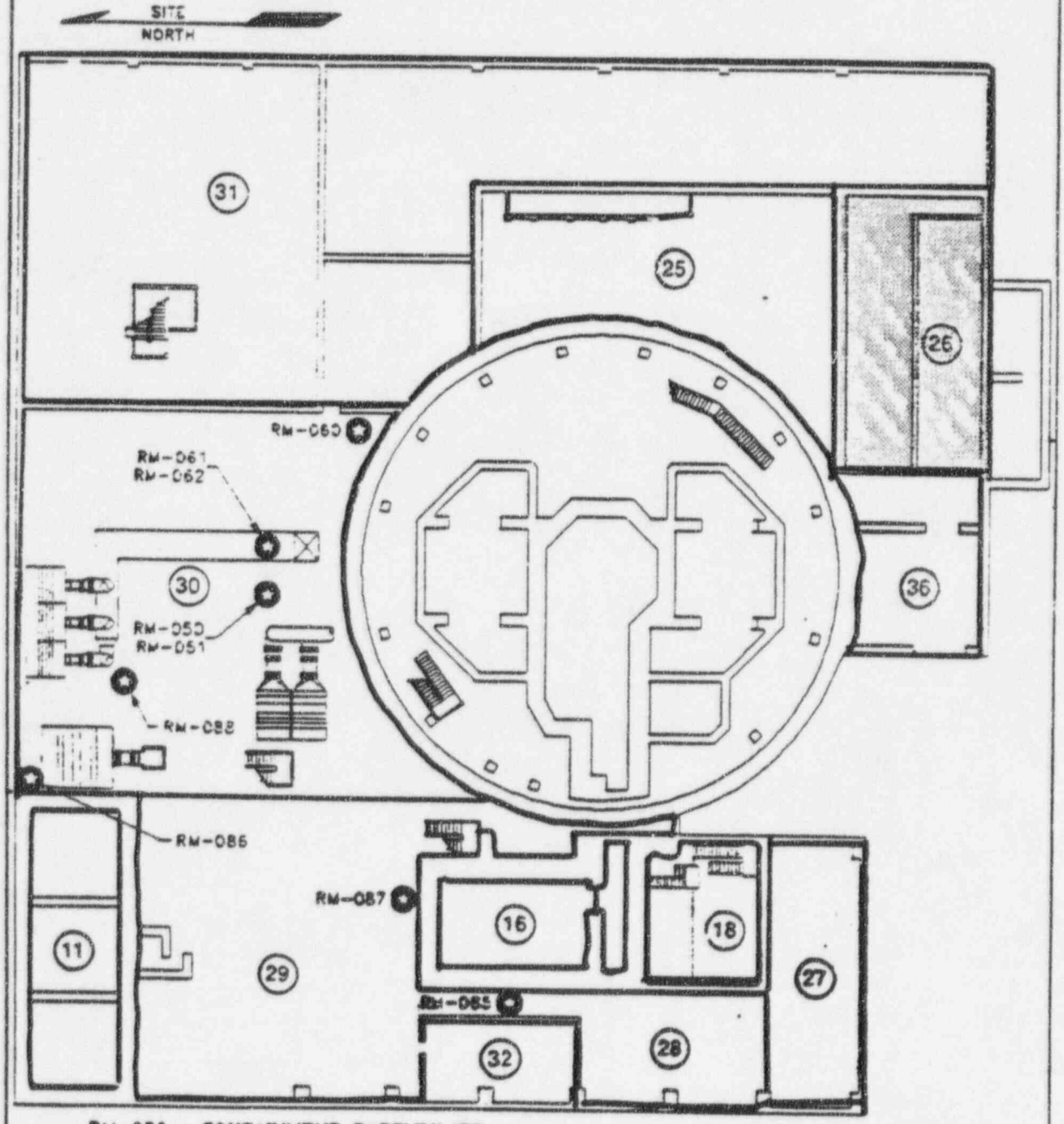




Area Descriptions:

27	Railroad
28	Room 671025' Level
29	Room 69West

PROCESS AND AREA MONITOR LOCATIONS
AUXILIARY BUILDING (ELEV. 1025'-0")

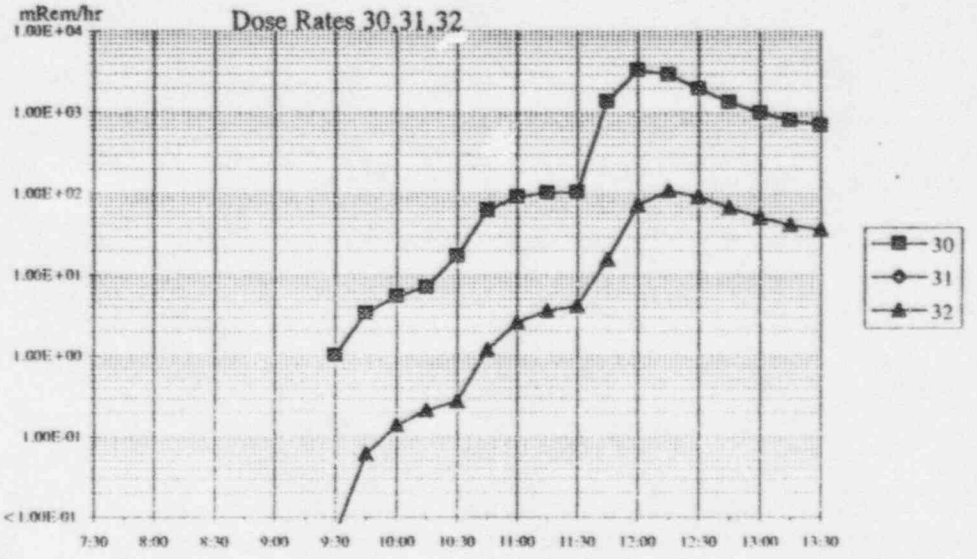


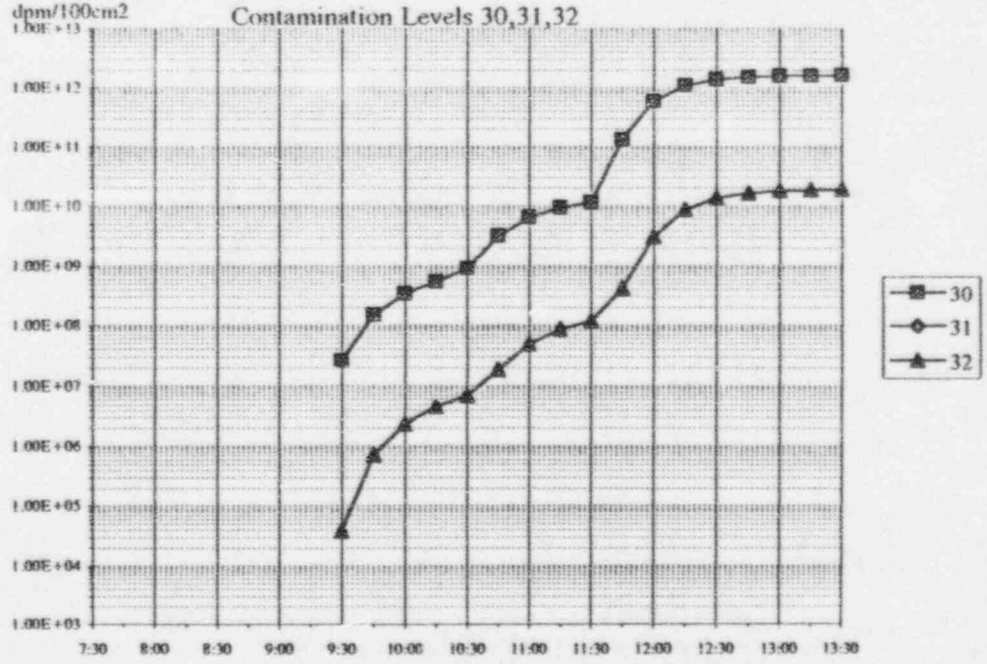
RM-050 : CONTAINMENT PARTICULATE
RM-051 : CONTAINMENT GAS
RM-060 : STACK (IODINE GAS)
RM-061 : STACK PARTICULATE
RM-062 : STACK GAS

RM-085 : AREA MONITOR
RM-086 : AREA MONITOR
RM-087 : AREA MONITOR
RM-088 : AREA MONITOR

RADIOLOGICAL DATA
AUXILIARY BUILDING - RM-69 EAST, RMS 70-71, CASK DECON

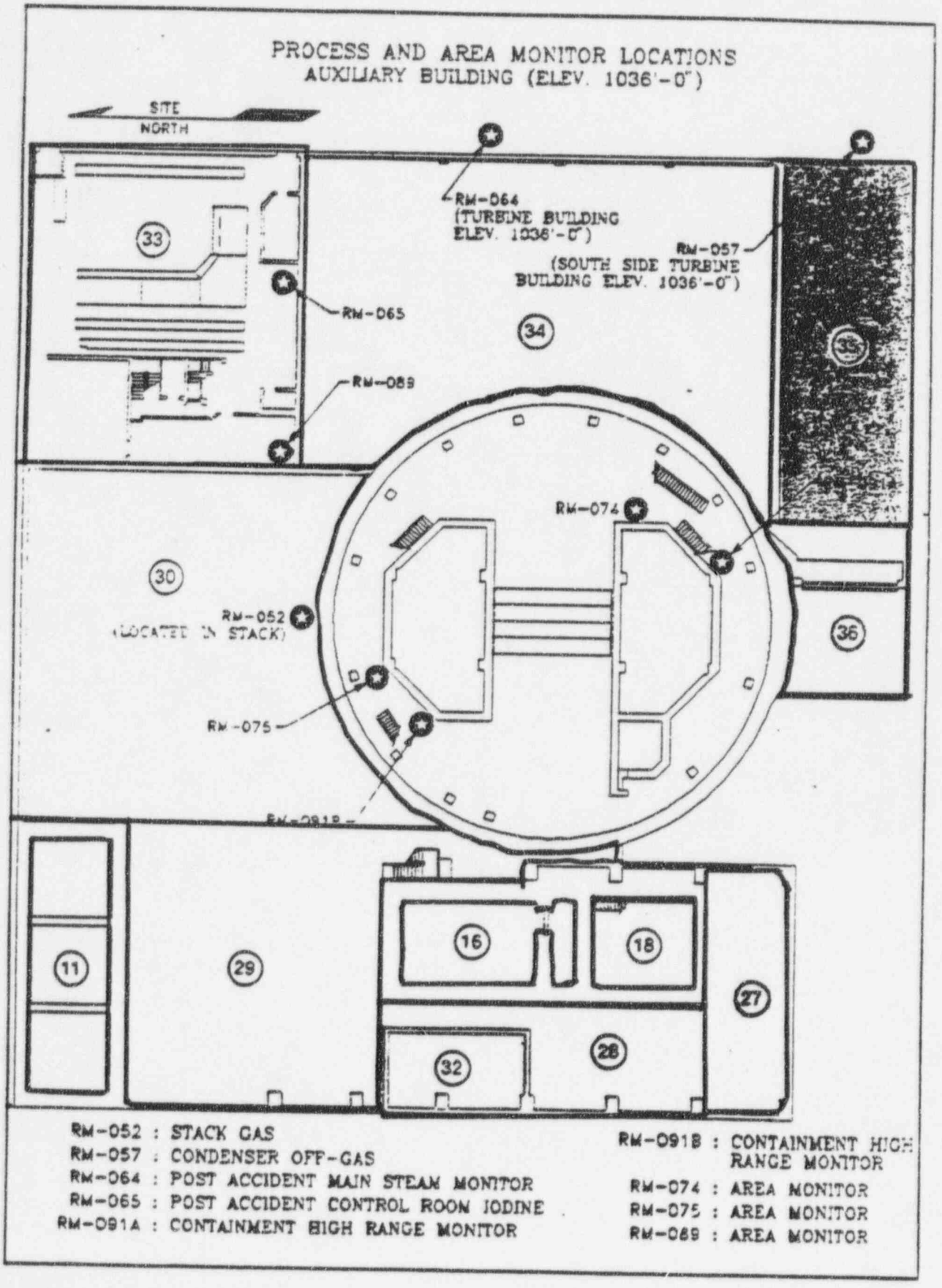
Time	Dose Rates mRem/hr			Contamination Levels dpm/100cm2		
Elev	1025-1080'	1025-1036'	1025-1080'	1025-1080'	1025-1036'	1025-1080'
Descript	Room 69 East	Rooms 70, 7	Cask Decon	Room 69 East	Rooms 70, 71	Cask Decon
Area	30	31	32	30	31	32
7:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
7:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:30	1.02E+00	<1.00E-01	<1.00E-01	2.55E+07	<1.00E+03	3.72E+04
9:45	3.37E+00	<1.00E-01	<1.00E-01	1.47E+08	<1.00E+03	7.05E+05
10:00	5.41E+00	<1.00E-01	1.38E-01	3.32E+08	<1.00E+03	2.30E+06
10:15	6.94E+00	<1.00E-01	2.12E-01	5.37E+08	<1.00E+03	4.47E+06
10:30	1.72E+01	<1.00E-01	2.71E-01	9.18E+08	<1.00E+03	6.79E+06
10:45	6.25E+01	<1.00E-01	1.18E+00	3.16E+09	<1.00E+03	1.82E+07
11:00	9.08E+01	<1.00E-01	2.56E+00	6.44E+09	<1.00E+03	4.80E+07
11:15	1.02E+02	<1.00E-01	3.55E+00	9.36E+09	<1.00E+03	8.42E+07
11:30	1.04E+02	<1.00E-01	4.11E+00	1.14E+10	<1.00E+03	1.16E+08
11:45	1.35E+03	<1.00E-01	1.54E+01	1.29E+11	<1.00E+03	4.09E+08
12:00	3.34E+03	<1.00E-01	7.25E+01	5.81E+11	<1.00E+03	3.11E+09
12:15	2.90E+03	<1.00E-01	1.09E+02	1.07E+12	<1.00E+03	8.56E+09
12:30	1.94E+03	<1.00E-01	9.14E+01	1.37E+12	<1.00E+03	1.33E+10
12:45	1.32E+03	<1.00E-01	6.70E+01	1.51E+12	<1.00E+03	1.62E+10
13:00	9.78E+02	<1.00E-01	5.06E+01	1.58E+12	<1.00E+03	1.77E+10
13:15	7.96E+02	<1.00E-01	4.12E+01	1.60E+12	<1.00E+03	1.83E+10
13:30	6.91E+02	<1.00E-01	3.58E+01	1.60E+12	<1.00E+03	1.85E+10





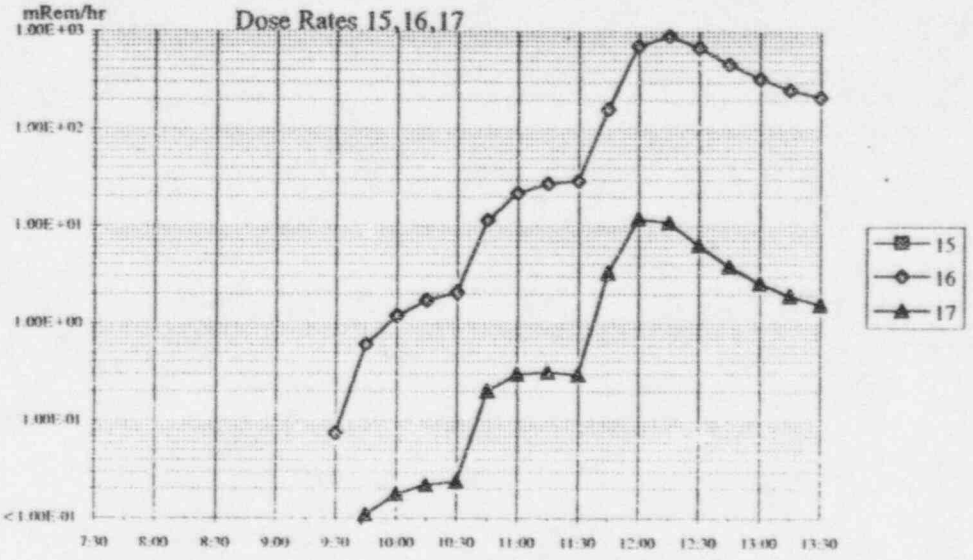
Area Descriptions:

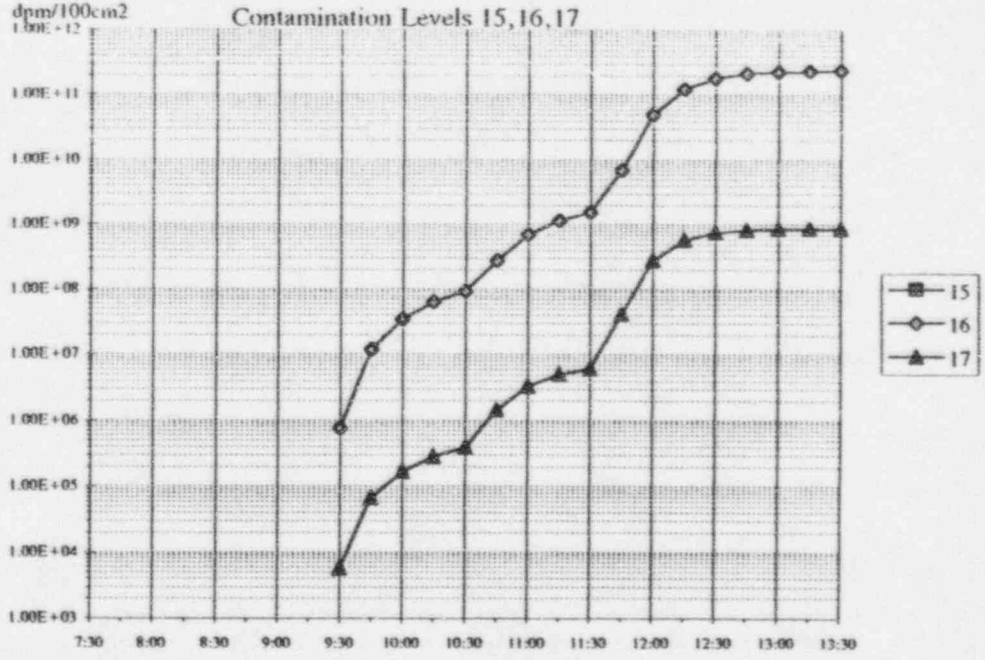
30	Room 69East
31	Rooms 70, 71
32	Cask Decon


PROCESS AND AREA MONITOR LOCATIONS
AUXILIARY BUILDING (ELEV. 1036'-0")
SITE
NORTH
RM-064
(TURBINE BUILDING
ELEV. 1036'-0")
RM-057
(SOUTH SIDE TURBINE
BUILDING ELEV. 1036'-0")
RM-065
RM-089
RM-074
RM-052
(LOCATED IN STACK)
RM-075
RM-091B
33
34
35
30
36
11
29
16
18
27
32
28
RM-052 : STACK GAS
RM-057 : CONDENSER OFF-GAS
RM-064 : POST ACCIDENT MAIN STEAM MONITOR
RM-065 : POST ACCIDENT CONTROL ROOM IODINE
RM-091A : CONTAINMENT HIGH RANGE MONITOR
RM-091B : CONTAINMENT HIGH RANGE MONITOR
RM-074 : AREA MONITOR
RM-075 : AREA MONITOR
RM-089 : AREA MONITOR

RADIOLOGICAL DATA
AUXILIARY BUILDING - RM-19, ELECTRICAL PENT. RM, SFP, & SFP PUMP AREA

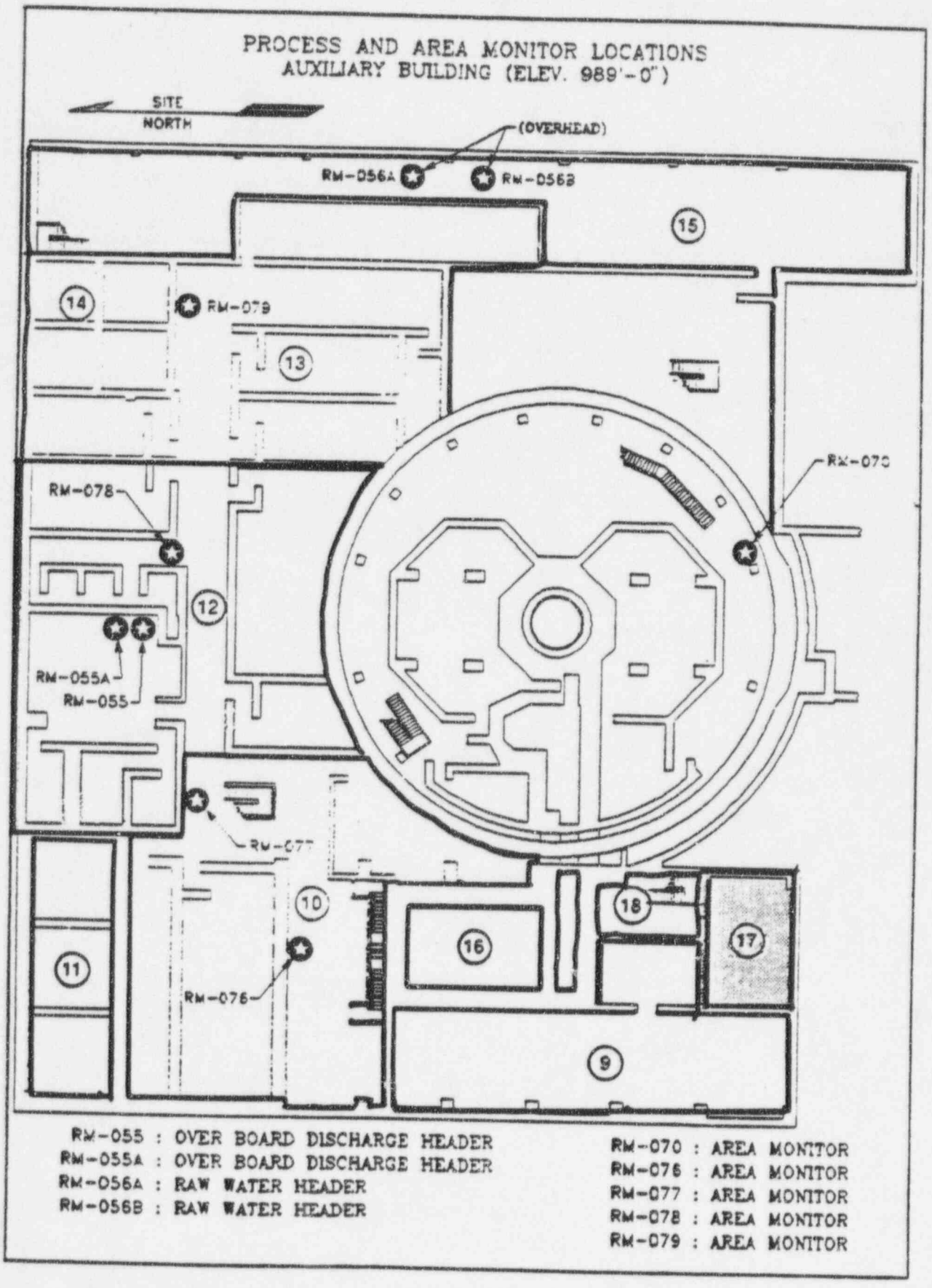
Time	Dose Rates mRem/hr			Contamination Levels dpm/100cm2		
Elev	989-1007'	989-1036'	989-1007'	989-1007'	989-1036'	989-1007'
Descript	Rm-19 lectrical Pent	Spent Fuel Storage/Xfer	Fuel Canal Pump Area	Rm-19 Electrical pent.	Spent Fuel Storage/Xfer	Fuel Canal Pump Area
Area	15	16	17	15	16	17
7:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
7:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	7.52E+05	5.58E+03
9:45	<1.00E-01	6.11E-01	<1.00E-01	<1.00E+03	1.17E+07	6.65E+04
10:00	<1.00E-01	1.21E+00	<1.00E-01	<1.00E+03	3.44E+07	1.67E+05
10:15	<1.00E-01	1.70E+00	<1.00E-01	<1.00E+03	6.31E+07	2.77E+05
10:30	<1.00E-01	2.04E+00	<1.00E-01	<1.00E+03	9.22E+07	3.79E+05
10:45	<1.00E-01	1.15E+01	2.00E-01	<1.00E+03	2.79E+08	1.44E+06
11:00	<1.00E-01	2.17E+01	2.99E-01	<1.00E+03	7.03E+08	3.30E+06
11:15	<1.00E-01	2.70E+01	3.11E-01	<1.00E+03	1.16E+09	4.93E+06
11:30	<1.00E-01	2.89E+01	2.92E-01	<1.00E+03	1.54E+09	6.04E+06
11:45	<1.00E-01	1.62E+02	3.23E+00	<1.00E+03	6.88E+09	4.14E+07
12:00	<1.00E-01	7.08E+02	1.18E+01	<1.00E+03	5.01E+10	2.74E+08
12:15	<1.00E-01	9.02E+02	1.08E+01	<1.00E+03	1.25E+11	5.77E+08
12:30	<1.00E-01	6.70E+02	6.25E+00	<1.00E+03	1.83E+11	7.44E+08
12:45	<1.00E-01	4.54E+02	3.77E+00	<1.00E+03	2.14E+11	8.20E+08
13:00	<1.00E-01	3.23E+02	2.53E+00	<1.00E+03	2.29E+11	8.51E+08
13:15	<1.00E-01	2.52E+02	1.90E+00	<1.00E+03	2.36E+11	8.61E+08
13:30	<1.00E-01	2.13E+02	1.56E+00	<1.00E+03	2.37E+11	8.61E+08





Area Descriptions:

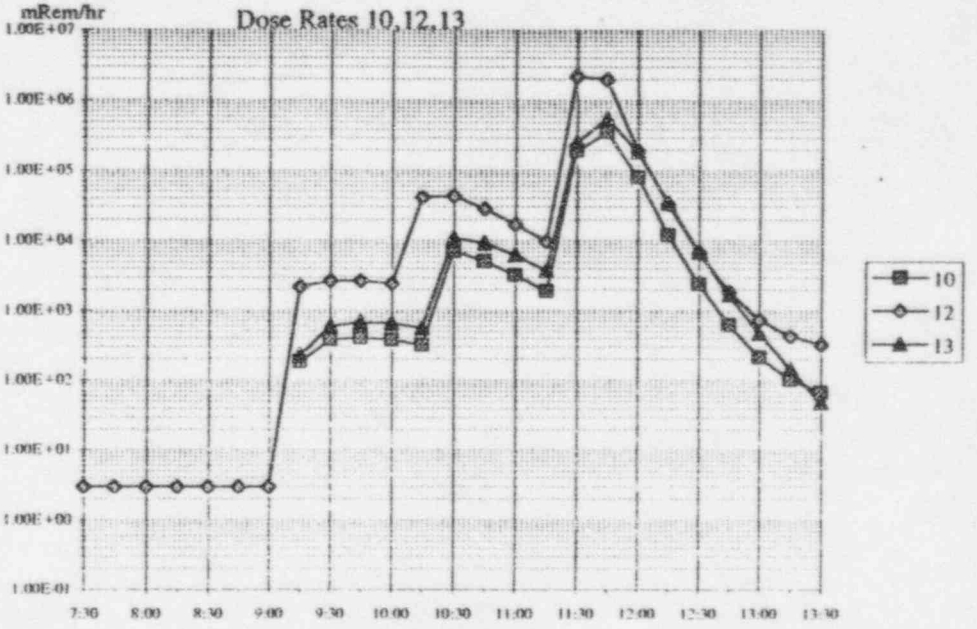
15	Rm-19Electrical Pent.
16	Spent FuelStorage/Xfer
17	Fuel CanalPump Area

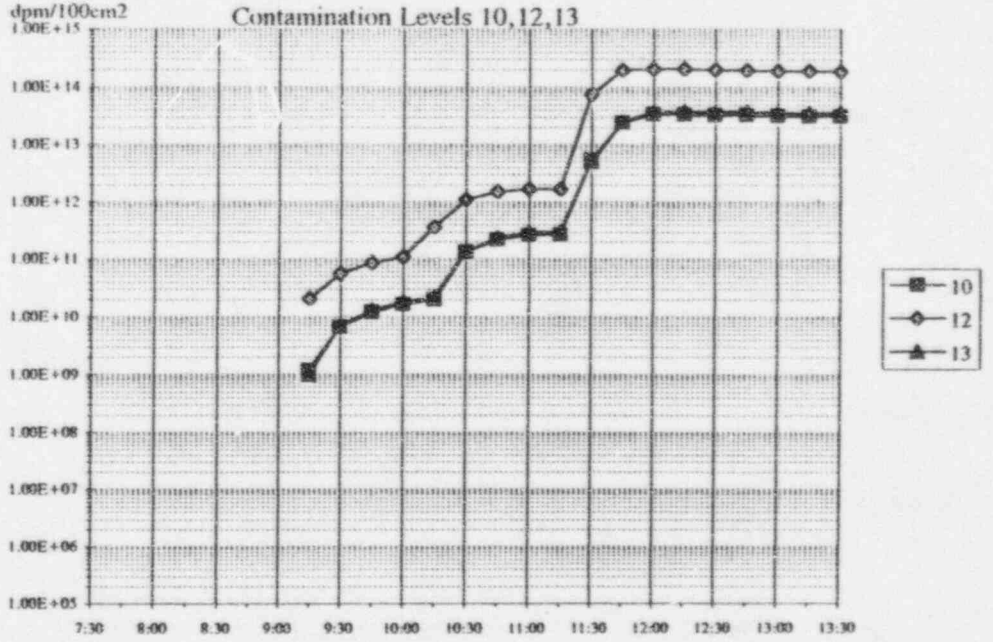

PROCESS AND AREA MONITOR LOCATIONS
AUXILIARY BUILDING (ELEV. 989'-0")
SITE
NORTH
(OVERHEAD)
RM-056A
RM-056B
RM-079
RM-070
RM-078
RM-055A
RM-055
RM-077
RM-076
15
14
13
12
11
10
9
16
17
18
RM-055 : OVER BOARD DISCHARGE HEADER
RM-055A : OVER BOARD DISCHARGE HEADER
RM-056A : RAW WATER HEADER
RM-056B : RAW WATER HEADER
RM-070 : AREA MONITOR
RM-076 : AREA MONITOR
RM-077 : AREA MONITOR
RM-078 : AREA MONITOR
RM-079 : AREA MONITOR

RADIOLOGICAL DATA

AUXILIARY BUILDING - CORR-4 CHG PUMP, MECH PENT. RM, AI-100, SDHX, COMP. RM

Time	Dose Rates mRem/hr			Contamination Levels dpm/100cm2		
Elev	989-1007'	989-1007'	989-1007'	989-1007'	989-1007'	989-1007'
Descript	Chg PP/ Corridor 4	Mech Pent. AI-100	SDHX/Cor 4 Comp Rm	Chg PP/ Corridor 4	Mech Pent. AI-100	SDHX/Cor 4 Comp Rm
Area	10	12	13	10	12	13
7:30	<1.00E-01	2.91E+00	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
7:45	<1.00E-01	2.91E+00	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:00	<1.00E-01	2.91E+00	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:15	<1.00E-01	2.91E+00	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:30	<1.00E-01	2.91E+00	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:45	<1.00E-01	2.91E+00	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:00	<1.00E-01	2.91E+00	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:15	1.81E+02	2.17E+03	2.21E+02	1.15E+09	2.06E+10	9.92E+08
9:30	3.71E+02	2.63E+03	5.82E+02	6.66E+09	5.59E+10	6.73E+09
9:45	3.93E+02	2.65E+03	6.57E+02	1.20E+10	8.64E+10	1.28E+10
10:00	3.75E+02	2.44E+03	6.43E+02	1.64E+10	1.10E+11	1.80E+10
10:15	3.12E+02	4.05E+04	5.49E+02	1.96E+10	3.68E+11	2.17E+10
10:30	6.91E+03	4.27E+04	1.07E+04	1.33E+11	1.10E+12	1.34E+11
10:45	5.12E+03	2.79E+04	9.16E+03	2.21E+11	1.50E+12	2.38E+11
11:00	3.20E+03	1.68E+04	6.09E+03	2.61E+11	1.65E+12	2.90E+11
11:15	1.88E+03	9.71E+03	3.72E+03	2.72E+11	1.66E+12	3.07E+11
11:30	1.93E+05	2.15E+06	2.56E+05	5.67E+12	7.52E+13	5.04E+12
11:45	3.55E+05	1.95E+06	5.57E+05	2.44E+13	1.91E+14	2.47E+13
12:00	7.82E+04	1.93E+05	1.85E+05	3.35E+13	2.05E+14	3.70E+13
12:15	1.19E+04	3.23E+04	3.39E+04	3.37E+13	2.91E+14	3.82E+13
12:30	2.37E+03	6.69E+03	6.88E+03	3.30E+13	1.96E+14	3.76E+13
12:45	6.08E+02	1.82E+03	1.65E+03	3.24E+13	1.92E+14	3.68E+13
13:00	2.12E+02	7.22E+02	4.58E+02	3.18E+13	1.89E+14	3.62E+13
13:15	1.03E+02	4.21E+02	1.43E+02	3.14E+13	1.87E+14	3.58E+13
13:30	6.61E+01	3.22E+02	4.82E+01	3.11E+13	1.85E+14	3.54E+13

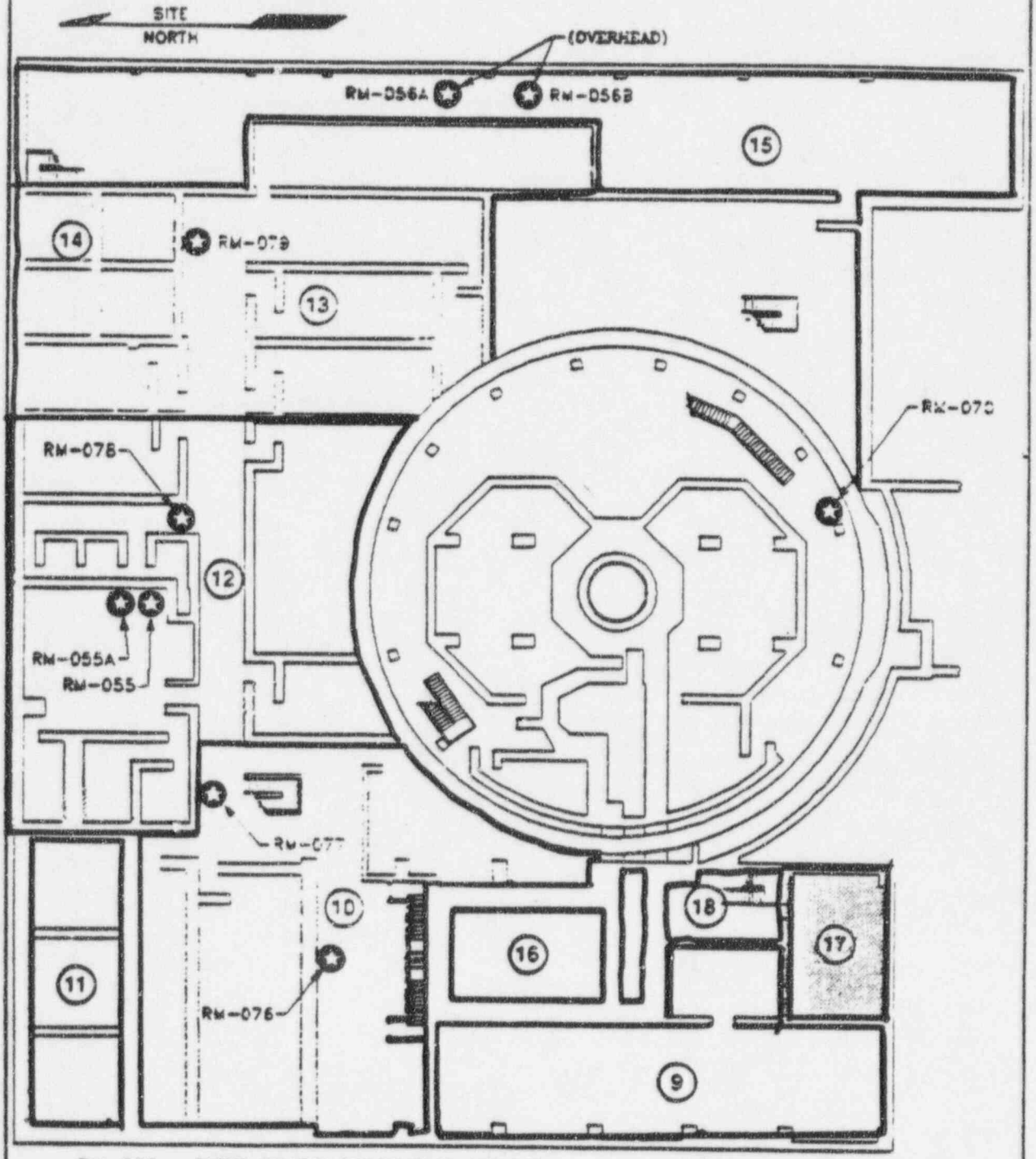




Area Descriptions:

10	Chg PP/Corridor 4
12	Mech Pent.AI-100
13	SDHX/Cor 4Comp Rm

PROCESS AND AREA MONITOR LOCATIONS
AUXILIARY BUILDING (ELEV. 989'-0")



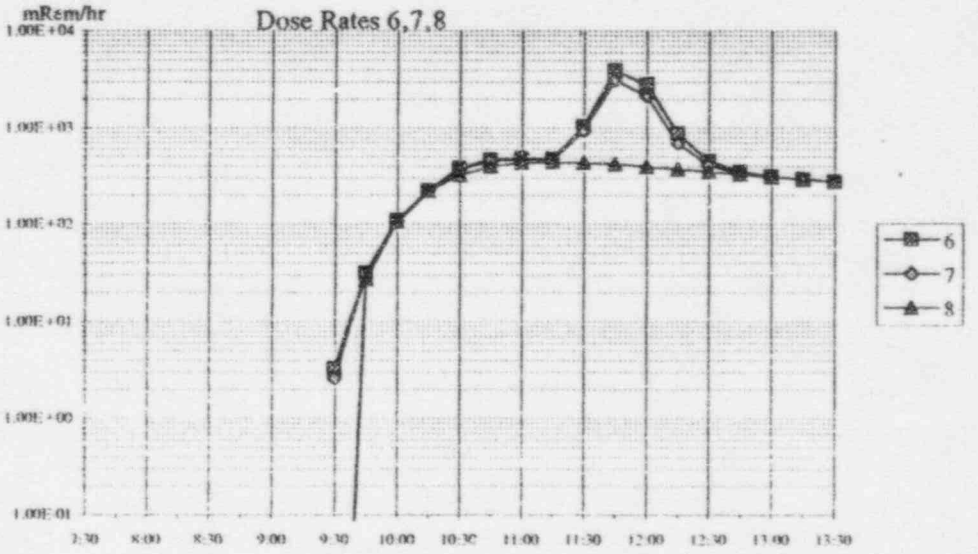
RM-055 : OVER BOARD DISCHARGE HEADER
RM-055A : OVER BOARD DISCHARGE HEADER
RM-056A : RAW WATER HEADER
RM-056B : RAW WATER HEADER

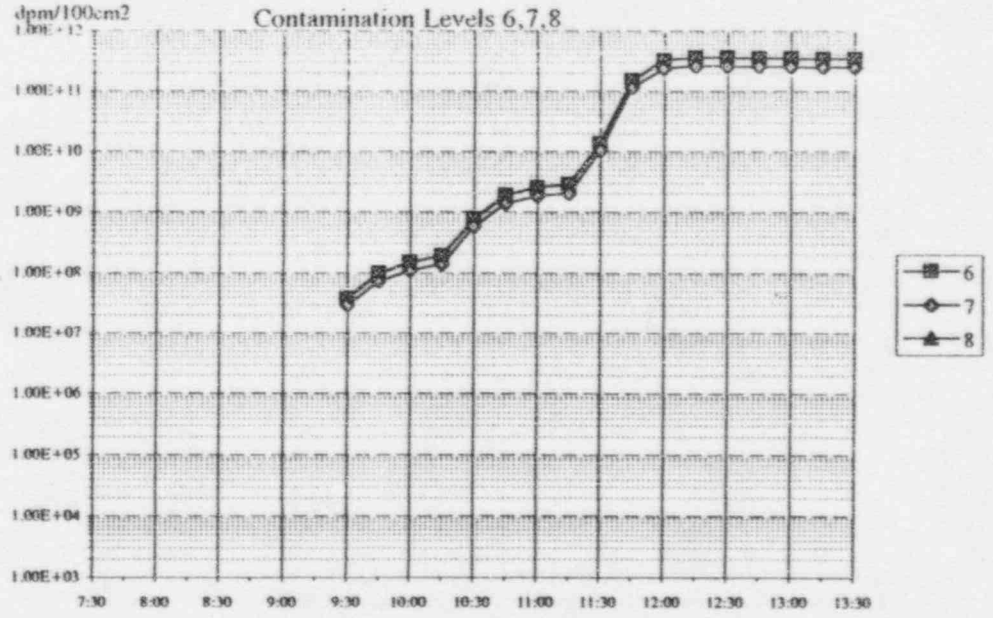
RM-070 : AREA MONITOR
RM-076 : AREA MONITOR
RM-077 : AREA MONITOR
RM-078 : AREA MONITOR
RM-079 : AREA MONITOR

RADIOLOGICAL DATA

AUXILIARY BUILDING - SI PUMP RM 1, SI PUMP RM 2, SRENT REGEN TK RM

Time	Dose Rates mRem/hr			Contamination Levels dpm/100cm2		
Elev	971-989'	971-989'	971-989'	971-989'	971-989'	971-989'
Descript	SI Pump I	SI Pump II	Spent Regen Tank	SI Pump I	SI Pump II	Spent Regen Tank
Area	6	7	8	6	7	8
7:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
7:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:30	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
8:45	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:00	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:15	<1.00E-01	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03	<1.00E+03
9:30	3.25E+00	2.57E+00	<1.00E-01	3.85E+07	2.95E+07	<1.00E+03
9:45	3.13E+01	3.03E+01	2.70E+01	9.57E+07	7.13E+07	<1.00E+03
10:00	1.10E+02	1.09E+02	1.05E+02	1.47E+08	1.08E+08	<1.00E+03
10:15	2.22E+02	2.21E+02	2.18E+02	1.88E+08	1.37E+08	<1.00E+03
10:30	3.81E+02	3.70E+02	3.23E+02	7.50E+08	5.73E+08	<1.00E+03
10:45	4.65E+02	4.47E+02	3.94E+02	1.86E+09	1.38E+09	<1.00E+03
11:00	4.81E+02	4.67E+02	4.30E+02	2.53E+09	1.85E+09	<1.00E+03
11:15	4.72E+02	4.63E+02	4.39E+02	2.81E+09	2.04E+09	<1.00E+03
11:30	1.02E+03	9.26E+02	4.32E+02	1.33E+10	1.01E+10	<1.00E+03
11:45	3.90E+03	3.18E+03	4.14E+02	1.50E+11	1.14E+11	<1.00E+03
12:00	2.84E+03	2.17E+03	3.92E+02	3.21E+11	2.37E+11	<1.00E+03
12:15	8.74E+02	6.89E+02	3.69E+02	3.60E+11	2.61E+11	<1.00E+03
12:30	4.47E+02	4.06E+02	3.46E+02	3.59E+11	2.59E+11	<1.00E+03
12:45	3.49E+02	3.39E+02	3.25E+02	3.53E+11	2.54E+11	<1.00E+03
13:00	3.13E+02	3.10E+02	3.06E+02	3.47E+11	2.50E+11	<1.00E+03
13:15	2.92E+02	2.91E+02	2.89E+02	3.42E+11	2.47E+11	<1.00E+03
13:30	2.76E+02	2.75E+02	2.74E+02	3.39E+11	2.44E+11	<1.00E+03

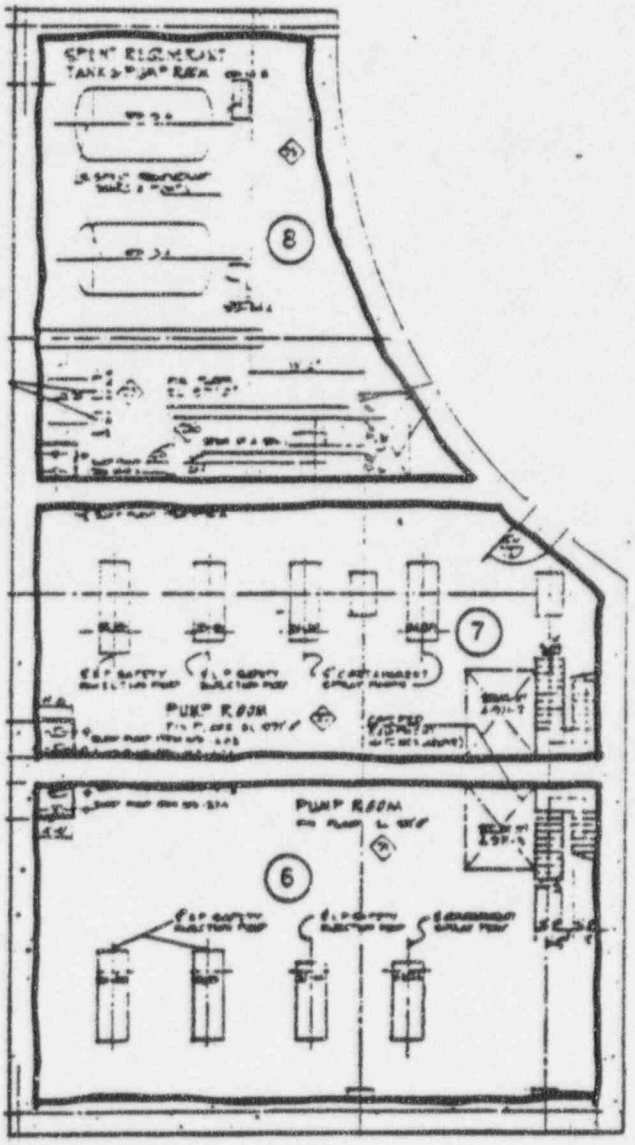




Area Descriptions:

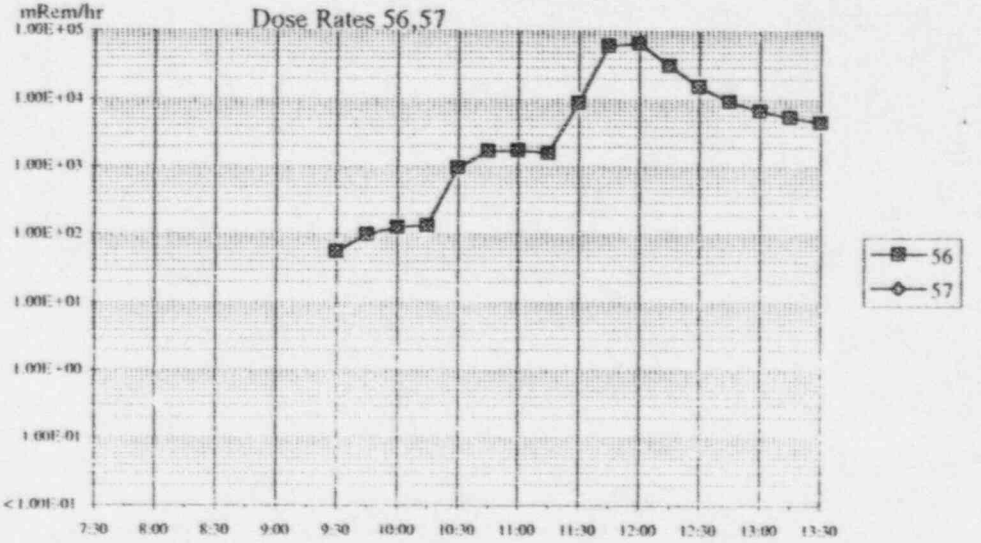
6	SI Pump I
7	SI Pump II
8	Spent RegenTank

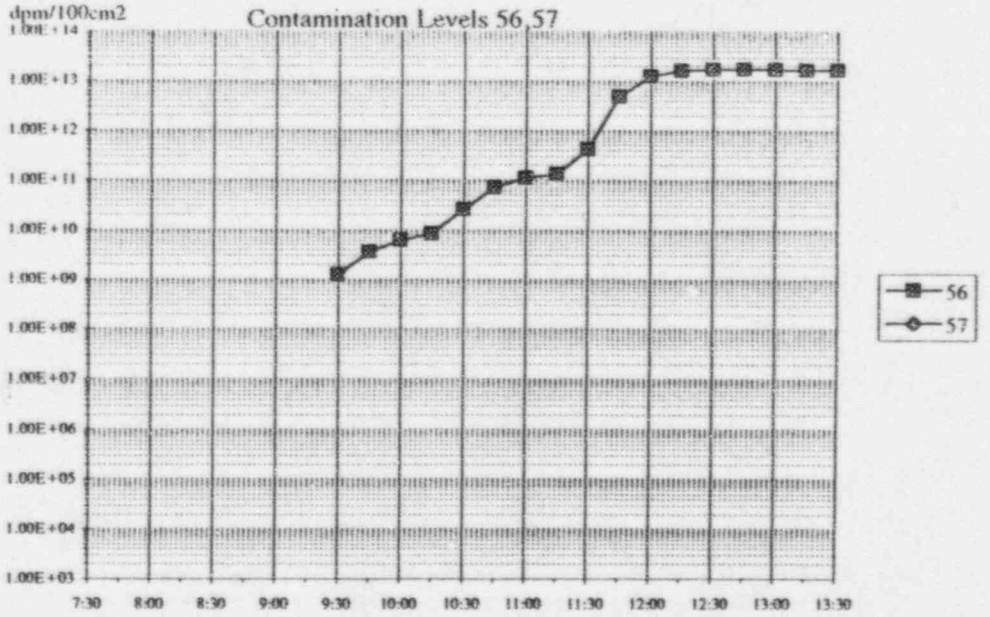
COMPARTMENT DESIGNATIONS
AUXILIARY BUILDING (ELEV. 971' - 0")



RADIOLOGICAL DATA
OTHER BUILDINGS - RADWASTE BLDG, C & RP BUILDING

Time	Dose Rates mRem/hr		Contamination Levels dpm/100cm2	
Elev				
Descript	Rad Waste Bldg	Chem Rad Protctn	Rad Waste Bldg	Chem Rad Protctn
Area	56	57	56	57
7:30	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03
7:45	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03
8:00	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03
8:15	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03
8:30	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03
8:45	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03
9:00	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03
9:15	<1.00E-01	<1.00E-01	<1.00E+03	<1.00E+03
9:30	5.55E+01	<1.00E-01	1.20E+09	<1.00E+03
9:45	9.87E+01	<1.00E-01	3.53E+09	<1.00E+03
10:00	1.24E+02	<1.00E-01	6.04E+09	<1.00E+03
10:15	1.33E+02	<1.00E-01	8.25E+09	<1.00E+03
10:30	9.64E+02	<1.00E-01	2.54E+10	<1.00E+03
10:45	1.69E+03	<1.00E-01	6.97E+10	<1.00E+03
11:00	1.76E+03	<1.00E-01	1.07E+11	<1.00E+03
11:15	1.59E+03	<1.00E-01	1.30E+11	<1.00E+03
11:30	8.89E+03	<1.00E-01	4.15E+11	<1.00E+03
11:45	6.06E+04	<1.00E-01	4.82E+12	<1.00E+03
12:00	6.59E+04	<1.00E-01	1.22E+13	<1.00E+03
12:15	3.12E+04	<1.00E-01	1.59E+13	<1.00E+03
12:30	1.53E+04	<1.00E-01	1.69E+13	<1.00E+03
12:45	9.29E+03	<1.00E-01	1.70E+13	<1.00E+03
13:00	6.78E+03	<1.00E-01	1.69E+13	<1.00E+03
13:15	5.46E+03	<1.00E-01	1.67E+13	<1.00E+03
13:30	4.58E+03	<1.00E-01	1.65E+13	<1.00E+03

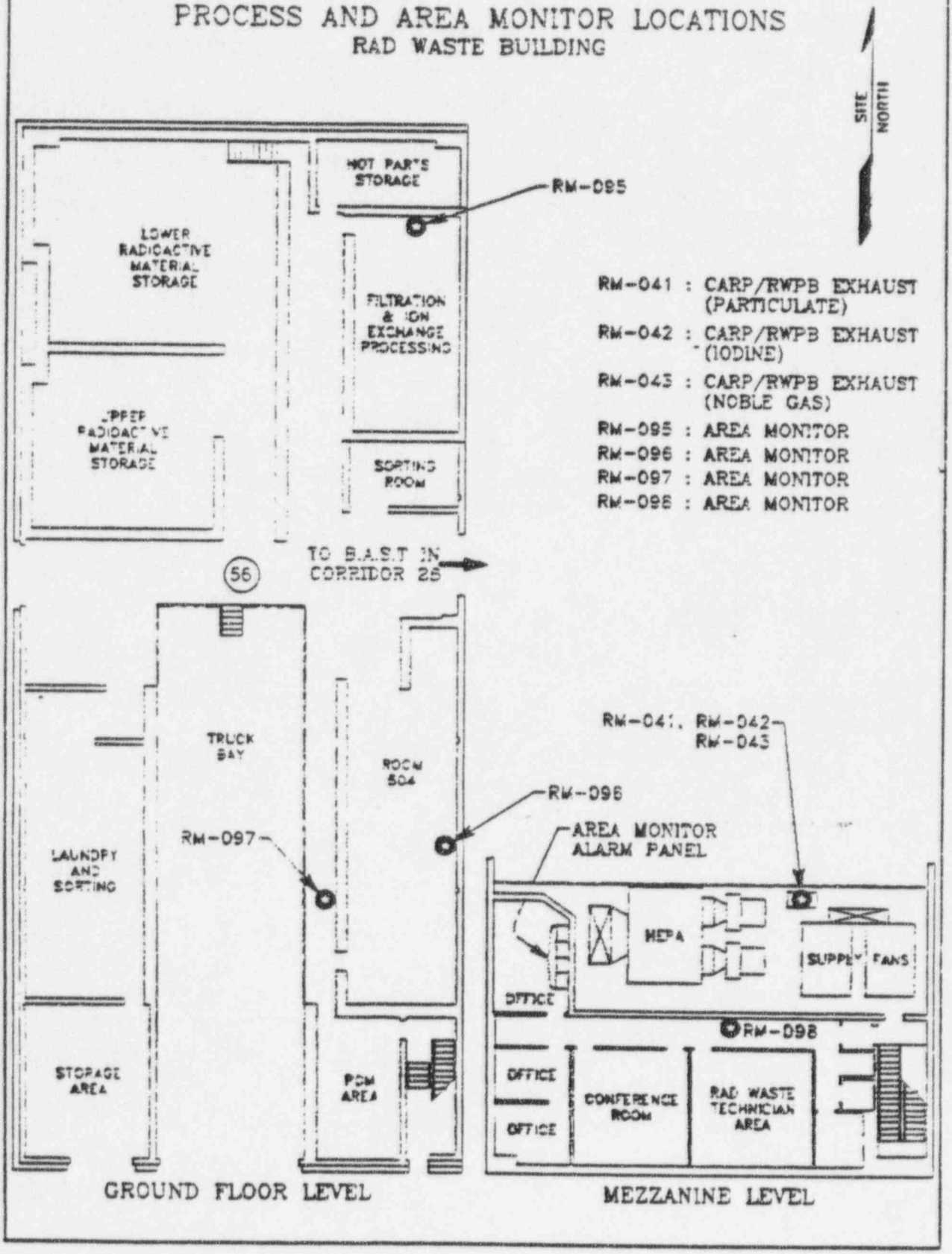




Area Descriptions:

56	Rad Waste Bldg
57	Chem Rad Protctn

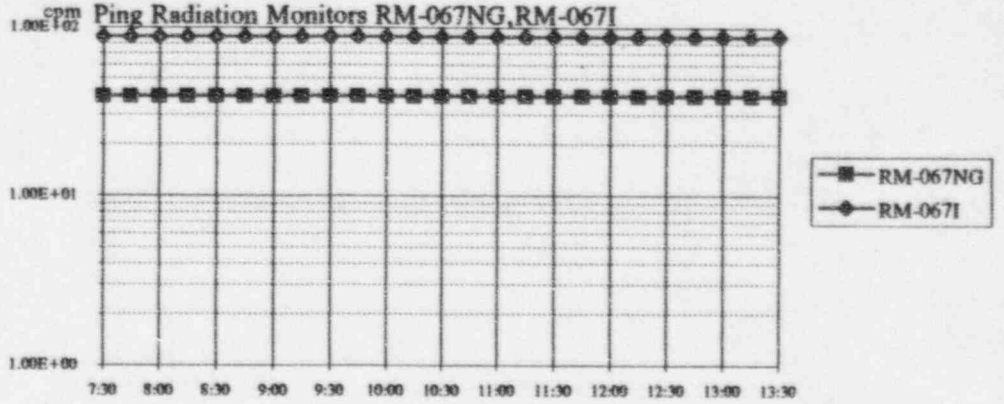
PROCESS AND AREA MONITOR LOCATIONS
RAD WASTE BUILDING

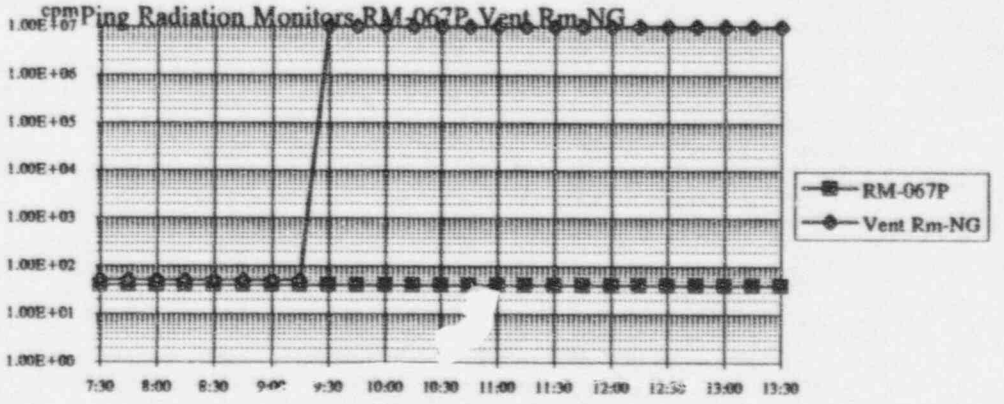


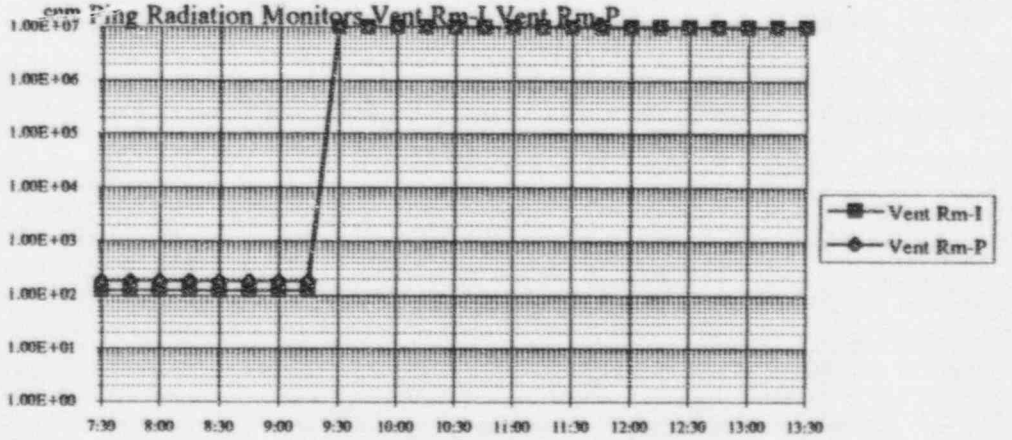
SCENARIO EVENTS

PING RADIATION MONITORS - TSC (RM065), RM-69

Time	RM-067NG cpm	RM-067I cpm	RM-067P cpm	Vent Rm-NG cpm	Vent Rm-I cpm	Vent Rm-P cpm
Bkgnd	3.86E+01	8.75E+01	3.92E+01	5.00E+01	1.20E+02	1.75E+02
Inv Lo	N/A	N/A	N/A	N/A	N/A	N/A
Alert	5.72E+02*	7.14E+03*	1.83E+03*	8.00E+02*	5.20E+02*	1.23E+03*
High	1.53E+03**	1.43E+04**	3.66E+03**	2.40E+03**	1.39E+03**	3.48E+03**
Inv Hi	N/A	N/A	N/A	N/A	N/A	N/A
7:30	3.86E+01	8.75E+01	3.92E+01	5.00E+01	1.20E+02	1.75E+02
7:45	3.86E+01	8.75E+01	3.92E+01	5.00E+01	1.20E+02	1.75E+02
8:00	3.86E+01	8.75E+01	3.92E+01	5.00E+01	1.20E+02	1.75E+02
8:15	3.86E+01	8.75E+01	3.92E+01	5.00E+01	1.20E+02	1.75E+02
8:30	3.86E+01	8.75E+01	3.92E+01	5.00E+01	1.20E+02	1.75E+02
8:45	3.86E+01	8.75E+01	3.92E+01	5.00E+01	1.20E+02	1.75E+02
9:00	3.86E+01	8.75E+01	3.92E+01	5.00E+01	1.20E+02	1.75E+02
9:15	3.86E+01	8.75E+01	3.92E+01	5.00E+01	1.20E+02	1.75E+02
9:30	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
9:45	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
10:00	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
10:15	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
10:30	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
10:45	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
11:00	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
11:15	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
11:30	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
11:45	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
12:00	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
12:15	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
12:30	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
12:45	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
13:00	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
13:15	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07
13:30	3.86E+01	8.75E+01	3.92E+01	1.00E+07	1.00E+07	1.00E+07







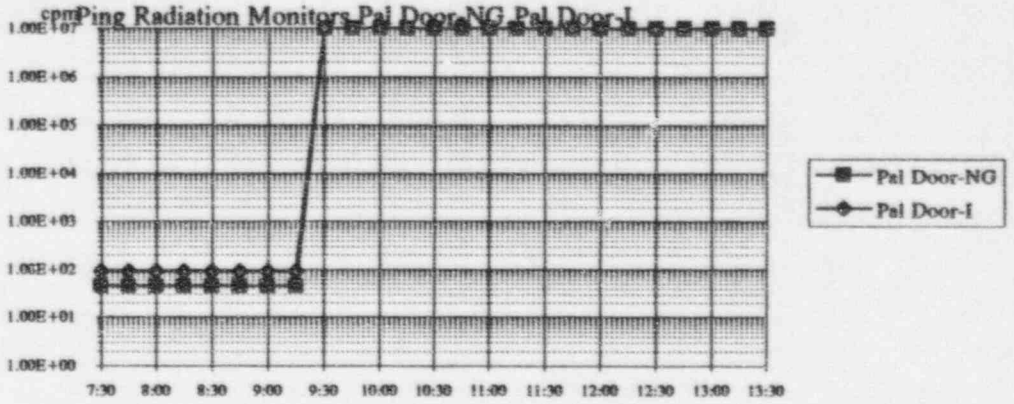
Monitor Descriptions:

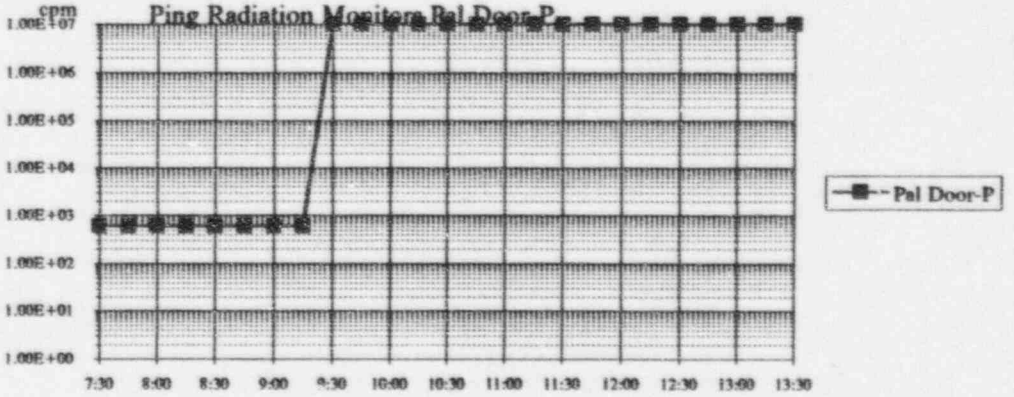
RM-067NG	TSC (PING) NG	Vent Rm-N	Rm 69 top of stairs
RM-067I	TSC (PING) I	Vent Rm-I	Rm 69 top of stairs
RM-067P	TSC (PING) Part	Vent Rm-P	Rm 69, top of stairs

SCENARIO EVENTS

PING RADIATION MONITORS - CORRIDOR - 26 PAL DOOR

Time	Pal Door-NG cpm	Pal Door-I cpm	Pal Door-P cpm
Bkgnd	4.50E+01	9.00E+01	6.00E+02
Inv Lo	N/A	N/A	N/A
Alert	4.70E+02*	3.60E+02*	1.21E+03*
High	1.39E+03**	9.70E+02**	3.01E+03**
Inv Hi	N/A	N/A	N/A
7:30	4.50E+01	9.00E+01	6.00E+02
7:45	4.50E+01	9.00E+01	6.00E+02
8:00	4.50E+01	9.00E+01	6.00E+02
8:15	4.50E+01	9.00E+01	6.00E+02
8:30	4.50E+01	9.00E+01	6.00E+02
8:45	4.50E+01	9.00E+01	6.00E+02
9:00	4.50E+01	9.00E+01	6.00E+02
9:15	4.50E+01	9.00E+01	6.00E+02
9:30	1.00E+07	1.00E+07	1.00E+07
9:45	1.00E+07	1.00E+07	1.00E+07
10:00	1.00E+07	1.00E+07	1.00E+07
10:15	1.00E+07	1.00E+07	1.00E+07
10:30	1.00E+07	1.00E+07	1.00E+07
10:45	1.00E+07	1.00E+07	1.00E+07
11:00	1.00E+07	1.00E+07	1.00E+07
11:15	1.00E+07	1.00E+07	1.00E+07
11:30	1.00E+07	1.00E+07	1.00E+07
11:45	1.00E+07	1.00E+07	1.00E+07
12:00	1.00E+07	1.00E+07	1.00E+07
12:15	1.00E+07	1.00E+07	1.00E+07
12:30	1.00E+07	1.00E+07	1.00E+07
12:45	1.00E+07	1.00E+07	1.00E+07
13:00	1.00E+07	1.00E+07	1.00E+07
13:15	1.00E+07	1.00E+07	1.00E+07
13:30	1.00E+07	1.00E+07	1.00E+07





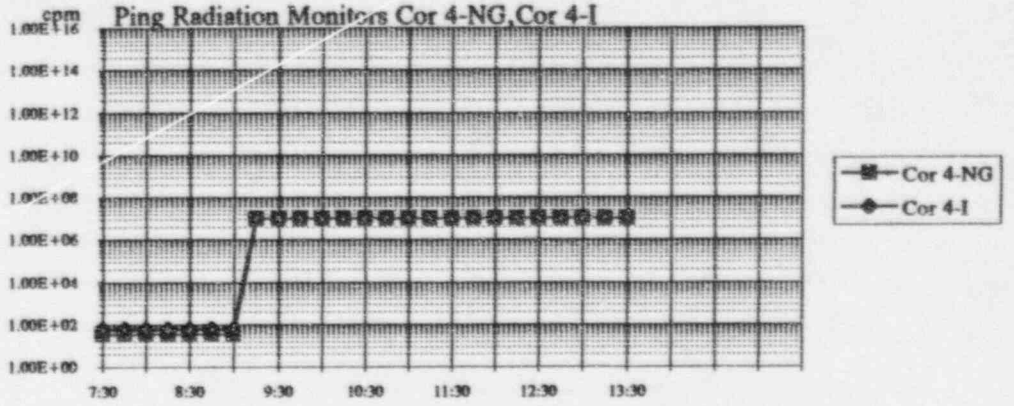
Monitor Descriptions:

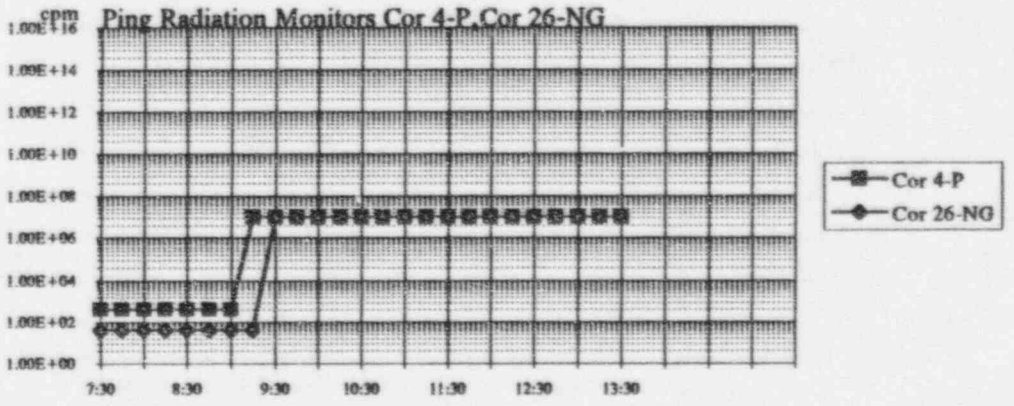
Pal Door-N	Cor 26 East Area
Pal Door-I	Cor 26 East Area
Pal Door-P	Cor 26 East Area

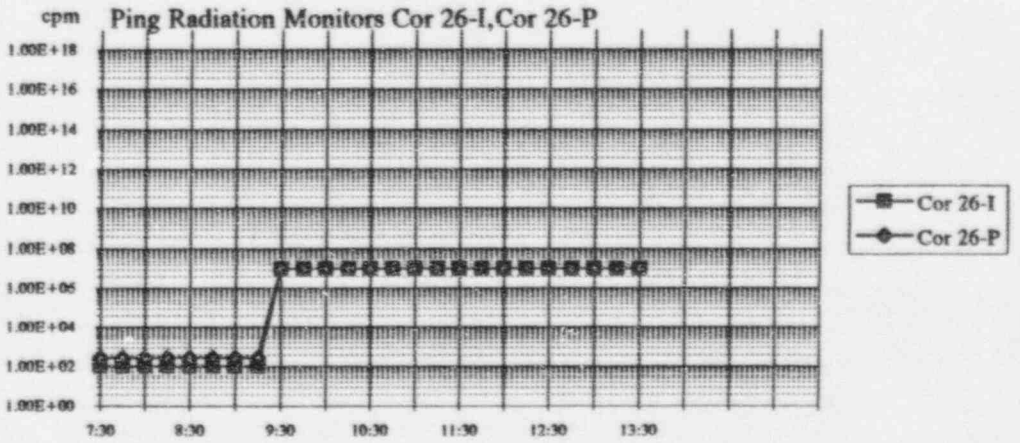
SCENARIO EVENTS

PING RADIATION MONITORS -CORRIDOR-4, CORRIDOR-26 BAST AREAS

Time	Cor 4-NG cpm	Cor 4-I cpm	Cor 4-P cpm	Cor 26-NG cpm	Cor 26-I cpm	Cor 26-P cpm
Bkgnd	3.50E+01	6.00E+01	4.00E+02	4.00E+01	1.00E+02	2.70E+02
Inv Lo	N/A	N/A	N/A	N/A	N/A	N/A
Alert	5.40E+02*	4.90E+02*	7.70E+02*	8.10E+02*	4.60E+02*	1.24E+03*
High	1.74E+03**	1.43E+03**	2.32E+03**	2.55E+03**	1.28E+03**	3.58E+03**
Inv Hi	N/A	N/A	N/A	N/A	N/A	N/A
7:30	3.50E+01	6.00E+01	4.00E+02	4.00E+01	1.00E+02	2.70E+02
7:45	3.50E+01	6.00E+01	4.00E+02	4.00E+01	1.00E+02	2.70E+02
8:00	3.50E+01	6.00E+01	4.00E+02	4.00E+01	1.00E+02	2.70E+02
8:15	3.50E+01	6.00E+01	4.00E+02	4.00E+01	1.00E+02	2.70E+02
8:30	3.50E+01	6.00E+01	4.00E+02	4.00E+01	1.00E+02	2.70E+02
8:45	3.50E+01	6.00E+01	4.00E+02	4.00E+01	1.00E+02	2.70E+02
9:00	3.50E+01	6.00E+01	4.00E+02	4.00E+01	1.00E+02	2.70E+02
9:15	1.00E+07	1.00E+07	1.00E+07	4.00E+01	1.00E+02	2.70E+02
9:30	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
9:45	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
10:00	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
10:15	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
10:30	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
10:45	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
11:00	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
11:15	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
11:30	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
11:45	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
12:00	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
12:15	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
12:30	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
12:45	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
13:00	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
13:15	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07
13:30	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07	1.00E+07







Monitor Descriptions:

Cor 4-NG	Cor 4 AI 100 Area	Cor 26-NG	Cor 26 outside countroom
Cor 4-I	Cor 4 AI 100 Area	Cor 26-I	Cor 26 outside countroom
Cor 4-P	Cor 4 AI 100 Area	Cor 26-P	Cor 26 outside countroom

SECTION 3

Section three (3) of the Exercise Manual has been deleted. Owner Controlled Area radiological data was originally included in this section.

The Owner Controlled Area radiological data is provided in Section Seven (7) starting on page 7-8 Plume Exposure Data and Field Team Data.

OMAHA PUBLIC POWER DISTRICT

FORT CALHOUN STATION

1995

EMERGENCY PREPAREDNESS EXERCISE MANUAL

VOLUME

3

CAUTION: THIS MANUAL CONTAINS CONFIDENTIAL EXERCISE INFORMATION THAT CAN NOT BE SHARED WITH EXERCISE PARTICIPANTS PRIOR TO THE 1995 EMERGENCY PREPAREDNESS EXERCISE SCHEDULED FOR NOVEMBER 14, 1995.

1995

FORT CALHOUN STATION

EMERGENCY PREPAREDNESS EXERCISE

TABLE OF CONTENTS

OPERATIONAL DATA

TABLE OF CONTENTS

CONTROLLER MESSAGES - OPERATIONAL DATA

Examples of controller messages containing operation data are included under this heading. These controller messages will be issued to participants only upon a simulator failure. Sets of these messages will be available in the facilities for use if authorized by the senior controller. A set of these messages are available for at least each fifteen minute time interval.

The Operational Data Sheet contains plant information that can be used to monitor plant conditions and may be provided at more frequent time intervals than ERFCS Pages. The Operational Data Sheet does not represent any ERFCS page.

ERFCS Pages 194, 200, 210, 220, 230, 240, 250 and 260 do represent a page on the ERFCS computer and can be used to monitor plant conditions. Only selected ERFCS pages are made available for the scenario.

The Operational Data Sheet and the ERFCS Pages provided in this scenario manual are "Examples Only" and may not contain any actual exercise scenario information.

CONTROLLER MESSAGES - OPERATIONAL DATA

REAL TIME	7:30	ELAPSED TIME	T-00:30

RCS Parameters

1. PZR Pressure	2110	PSIA	
2. PZR Level (LI 101X)	58.0	%	
3. PZR Liq. Temp/Steam Temp	643	643	DEGF
4. PZR Heaters	on		
5. RVLMS	100	%	
6. CET Ave.	586	DEG F	
7. CET Hi	609	DEG F	
8. Subcooled Margin	0.0	DEG F	
9. Letdown Flow	34.4	GPM	
10. CEA's Not Full In	44		
11. WR Ni Pwr.	102.0	%	

Loop Parameters	LOOP1 A	LOOP1 B	LOOP2 C	LOOP2 D
1. T Hot (DEG F)	591		591	
2. T Cold (DEG F)	540	540	540	540
3. RCP Status	RUN	RUN	RUN	RUN
4. S/G Press (PSIA)	806		806	
5. S/G Level (NR)	65.9		64.7	
6. S/G Level (WR)	79.9		79.5	
7. Steam Flow (MLB/HR)	3.3		3.3	
8. Feed Flow (MLB/HR)	3.3		3.3	
9. MSIV Status	OPEN		OPEN	
10. AFW Flow (GPM)	0		0	

Engineered Safeguards Features

1.Containment

Pressure	0.7	PSIG
Temperature	106	DEGF
Dewpoint	74.7	DEGF
Hydrogen Conc.	0	%
Cont. Sump Lvl (NR)	13.7	IN.
Cont. Sump Lvl (WR)	0	FT.
2. VCT Level	60.8	%
3. SIRWT Level	189	IN.

4. Equipment Status		**Train A**		**Train B**	**Train C (Is. Bus)**		**Total Flow/Pres.**	
DG	D1	STBY	D2	STBY				
CHRG	CH1A	STBY	CH1B	STBY	CH1C	RUN	40	GPM
HPSI	SI2A	STBY	SI2B	STBY	SI2C	STBY	0	GPM
LPSI	SI1A	STBY	SI1B	STBY			0	GPM
CCW	AC3A	STBY	AC3B	RUN	AC3C	STBY		
CS Pumps	SI3A	STBY	SI3B	STBY	SI3C	STBY	0	GPM
Air Comp.	CA1A	RUN	CA1B	STBY	CA1C	STBY	102	PSIG
5. AFW	FW-6	STBY	FW-10	STBY				

6. Safeguard Signals

PPLS	STBY	VIAS	STBY
SIAS	STBY	RAS	STBY
CPHS	STBY	STLS	STBY
CIAS	STBY	CSAS	STBY
CRHS	STBY	OPLS	NT ACT

7. Plant Stack Flowrate 48300 CFM

Major Equipment

Reactor	NT TRIP
Turbine	NT TRIP
Generator	NT TRIP

Electric Plant

Offsite Power	AVAIL	AVAIL	
DC Busses	129	129	Volts

ERFCS DISPLAYS OPERATIONAL DATA

1. POWER LEVEL

A	.00	B	1.193	%
C	1.484	D	.137	%

2. HOT LEG LOOP1 531 DEG F
LOOP2 531 DEG F

3. COLD LEG LOOP 1A 526 DEG F
LOOP 1B 526 DEG F
LOOP2A 484 DEG F
LOOP2B 484 DEG F

4. SUBCOOLING/SUPERHEAT 0 DEG F

5. CET AVERAGE 528 DEG F

6. PRESSURIZER LEVEL 80.3 %

7. PZR PRESSURE 1410 1410 PSIA

8. RVLMS 100 200 %

9. # OF RCPS RUNNING 0

10. LPSI FLOW 0 GPM

11. HPSI FLOW 0 GPM

12. CONT. SPRAY FLOW 0 GPM

13. SIRWT LEVEL 188 IN

14. CONT. SUMP LEVEL 25 IN

15. CONT. FLOOR LEVEL 0.0 FT

16. CONT. PRESS. - WIDE (AVE) 25.4 PSIG
- NAR. (AVE) 5.0 PSIG

17. CONT. HYDROGEN 0.0 %
0.0 %

18. "A" S.G. LEVEL 1.3 1.3 %
"A" S.G. FW FLOW 0.0 MLB/HR
"A" S.G. AUX FW FLOW 0.0 GPM

19. "B" S.G. LEVEL 75.5 75.5 %
"B" S.G. FW FLOW 0.0 MLB/HR
"B" S.G. AUX FW FLOW 257.0 GPM

20. "A" S.G. PRESSURE 40 40 PSIA

21. "B" S.G. PRESSURE 558 558 PSIA

22. BUS 1A1 4240 VOLTS

23. BUS 1A2 4210 VOLTS

24. BUS 1A3 4240 VOLTS

25. BUS 1A4 4210 VOLTS

26. DC BUS 1 129 VOLTS

27. DC BUS 2 129 VOLTS

28. DG-1 2400 KW
DG-2 2400 KW

STATUS BOARD

RX VAX I P

CHR RCS CI PCL

14 NOV 95

MODE SELECTION 08 : 15 : 00
2 AUTOMATIC

PAGE 194

SAFEGUARD SIGNALS

PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

ERFCS DISPLAYS OPERATIONAL
Reactivity Control, Page 200

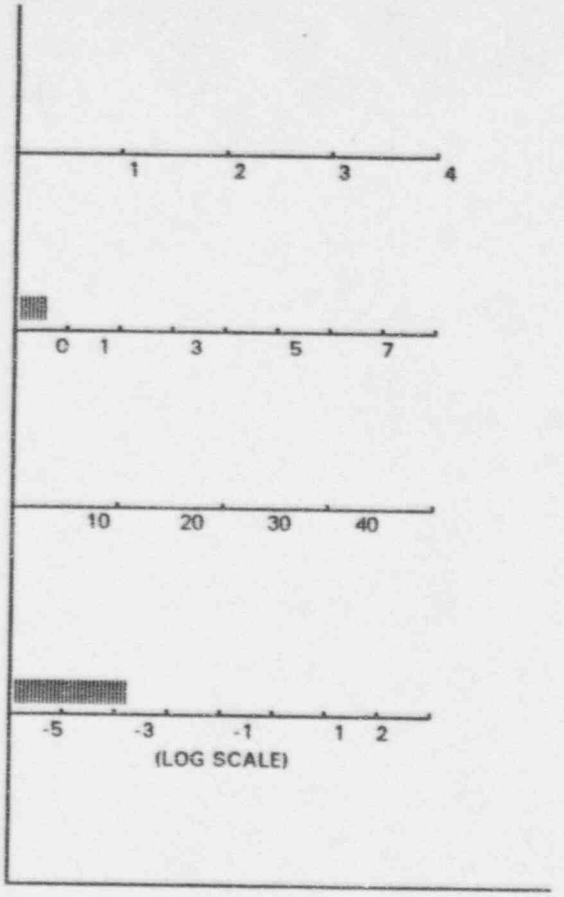
PAGE	DRAWING
_300	CHEMICAL AND VOLUME CONTROL
_301	BORIC ACID MAKEUP
_302	CONTROL ROD POSITION
_303	INCORE DETECTORS
_201	REACTIVITY CONTROL ALARMS
	EMERGENCY BORATION IN PROGRESS YES

REACTOR POWER DECREASING
(# OF CHAN DEC)
0

START UP RATE
(DPM)
-0.35

TRIPPABLE CEA'S
(# NOT FULL IN)
0

REACTOR POWER
(% POWER)
3.8E-04



REACTIVITY CONTROL

RX | VAX | I | P

CHR | RCS | CI |

MODE 2

14 NOV 95

MODE SELECTION
AUTOMATIC

08 : 15 : 00

PAGE 200

SAFEGUARD SIGNALS

PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

ERFCS DISPLAYS C ATIONAL
Vital Auxiliaries, Page 210

PAGE	DRAWING
_310	EMERGENCY POWER (4160V)
_311	EMERGENCY POWER (480V) 1
_312	EMERGENCY POWER (480V) 2
_313	DC INTERNAL POWER
_314	COMPRESSED AIR
_315	RAW WATER
_316	COMPONENT COOLING
_317	CONTROL ROOM HVAC
_318	AUXILIARY BUILDING HVAC
_319	SPENT FUEL POOL COOLING
_211	VA ALARMS

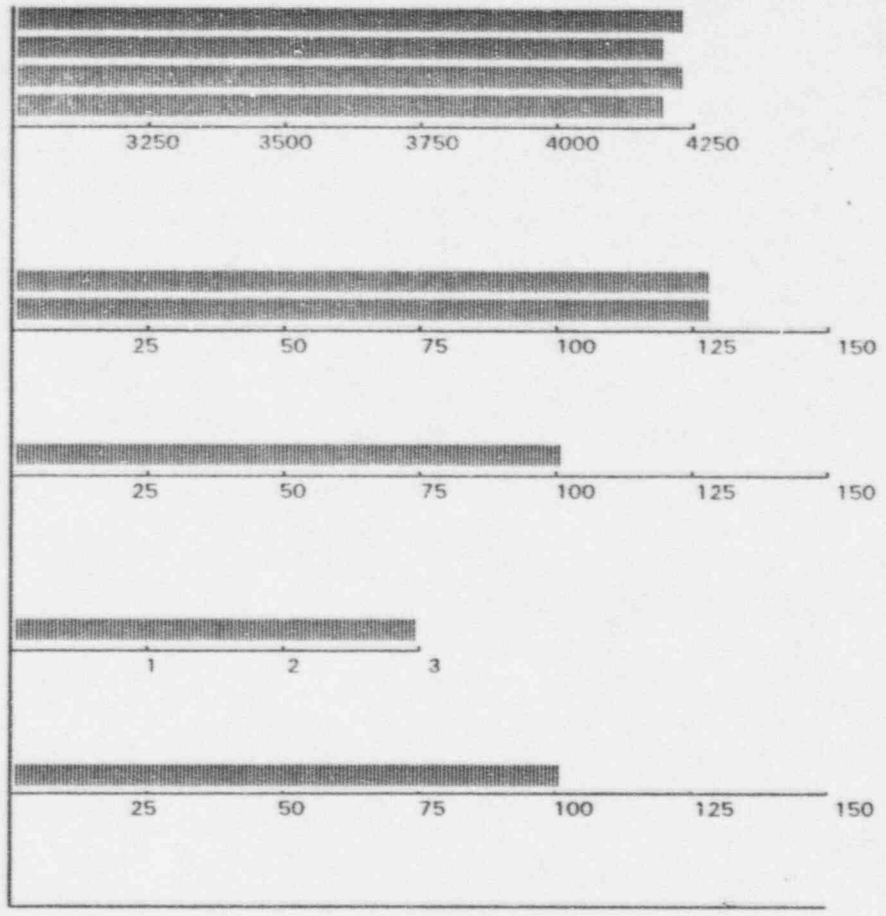
AC POWER (VOLTS)	
BUS 1A1	4240
BUS 1A2	4210
BUS 1A3	4240
BUS 1A4	4210

DC POWER (VOLTS)	
BUS 1	129
BUS 2	129

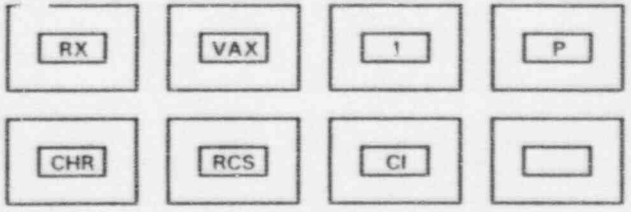
INSTRUMENT AIR (PSIG)
102

CCW PUMPS RUNNING
3

CCW SYSTEM PRESS (PSIG)
102



VITAL AUXILIARIES



MODE 2 14 NOV 95

MODE SELECTION AUTOMATIC 08 : 15 : 00

PAGE 210

SAFEGUARDS SIGNALS

PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

ERFCS DISPLAYS OPERATIONAL
RCS Inventory Control, Page 220

PAGE	DRAWING
_320	REACTOR LEVEL
_321	REACTOR LEVEL TEMPERATURES
_322	CHEMICAL AND VOLUME CONTROL SYSTEMS
_323	SAFETY INJECTION 1
_324	SAFETY INJECTION 2
_325	PRIMARY SYSTEM
_221	RCS INVENTORY CONTROL ALARMS

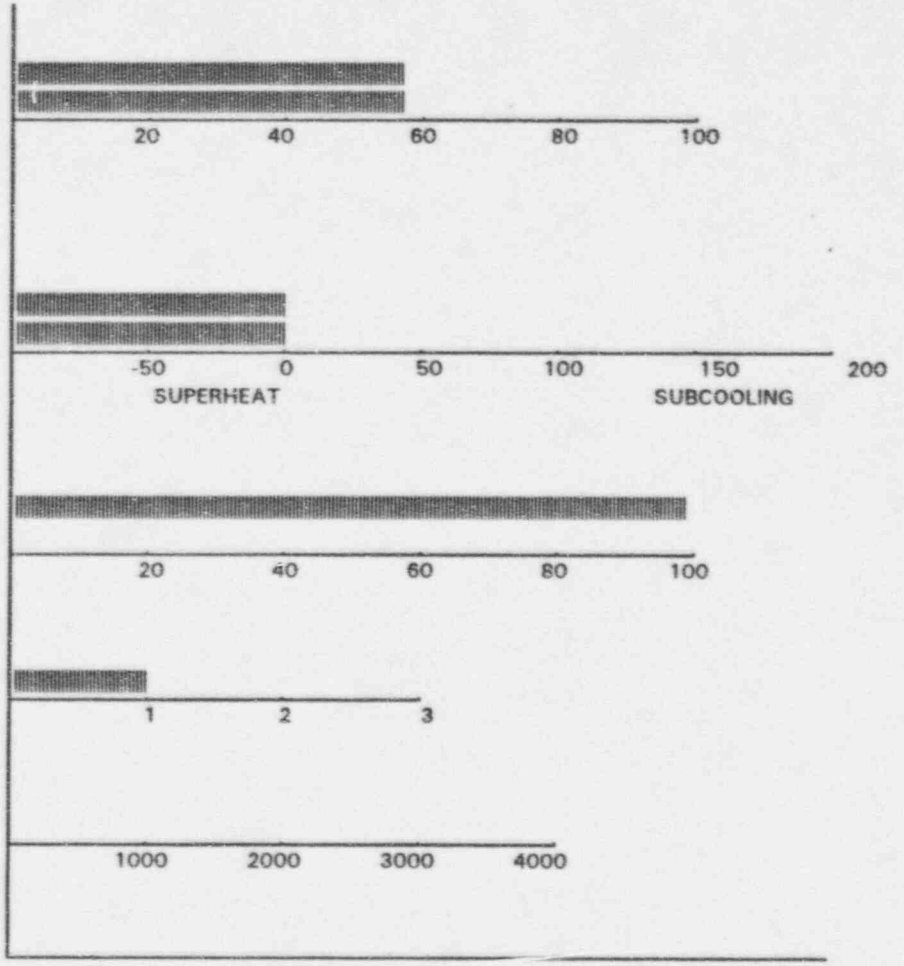
	PRESSURIZER LEVEL
L0101Y	58.0
L0101X	58.0

	MINIMUM SUBCOOLING (DEG F)
CET	0.0
RTD	0.0

REACTOR VESSEL LEVEL (% ABOVE CORE)
100
0

CHARGING PUMPS ON (#)
1

LETDOWN FLOW (GPM)	PRESSURIZER PRESSURE (PSIA)	SIRWT LEVEL (IN)	TOTAL SI FLOW (GPM)
34.4	2110.0	189.0	0



RCS INVENTORY CONTROL

RX | VAX | I | P

CHR | RCS | CI | [ ]

MODE 1 — 14 NOV 95

MODE SELECTION AUTOMATIC — 07 : 30 : 00

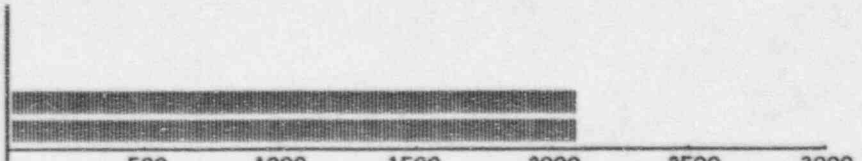
PAGE 220

SAFEGUARDS SIGNALS

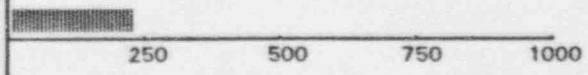
PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

PAGE	DRAWING
_330	PRESSURIZER & QUENCH TANK
_331	CHEMICAL & VOLUME CONTROL
_332	SAFETY INJECTION 1
_333	SAFETY INJECTION 2
_334	VESSEL INTEGRITY GRAPH
_231	RCS PRESSURE CONTROL ALARMS

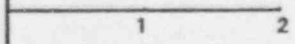
PRESSURIZER PRESSURE (PSIA)
2110
2110



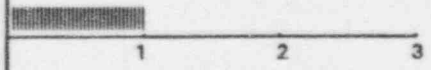
PRESSURIZER HEATER (KW)
225.0



PRESSURIZER SPRAY VALVES OPEN
AUX 0
MAIN 0



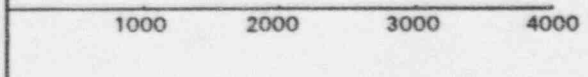
CHARGING PUMPS ON
1



LOOP 1 HOT LEG (DEG F)
591

LOOP 2 HOT LEG (DEG F)
591

TOTAL SI FLOW (GPM)
0

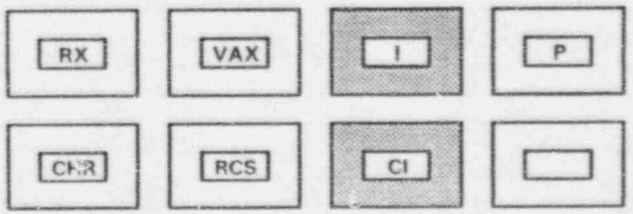


LOOP 1 COLD LEG (DEG F)
540

LOOP 2 COLD LEG (DEG F)
540

HOTTEST CORE EXIT T/C (DEG F)
609

RCS PRESSURE CONTROL



MODE 1 14 NOV 95

MODE SELECTION AUTOMATIC 07 : 30 : 00

PAGE 230

SAFEGUARDS SIGNALS

PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

PAGE	DRAWING
_340	REACTOR CORE
_341	REACTOR CORE EXIT T/C
_342	REACTOR COOLANT PUMPS
_241	CORE HEAT REMOVAL ALARMS

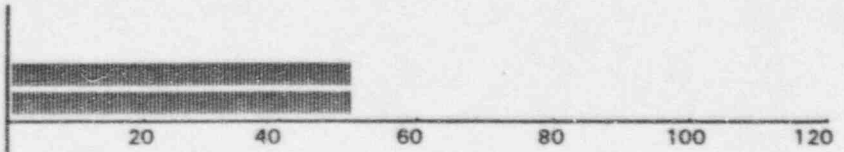
5 MIN COOLDOWN RATE (DEG F/HR)

LOOP 1A	0.00E+00
LOOP 2B	0.00E+00

NUMBER OF REACTOR COOLANT PUMPS RUNNING
4

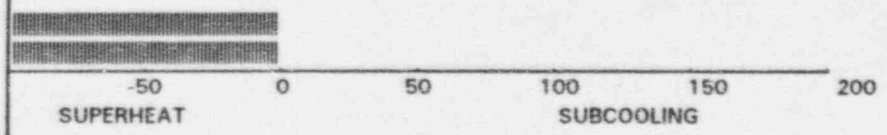
CORE DELTA T (DEG F)

LOOP 1	51.2
LOOP 2	51.2



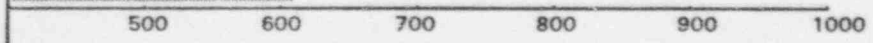
MINIMUM RCS SUBCOOLING (DEG F)

CET	0
RTD	0



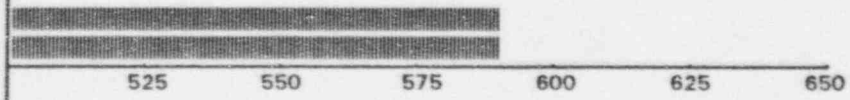
CET TEMP (MAX DEG F)

REP	0
MAX	609



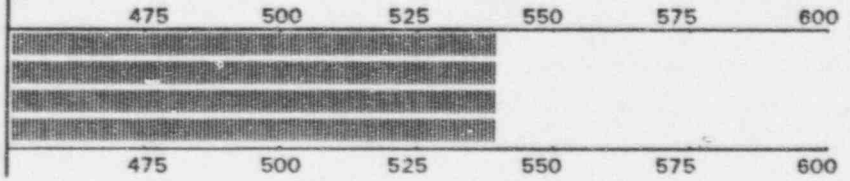
T-HOT RTD (DEG F)

LOOP 1	591
LOOP 2	591



T-COLD (DEG F)

LOOP 1A	540
LOOP 1B	540
LOOP 2A	540
LOOP 2B	540



CORE HEAT REMOVAL

PAGE 240

RX | VAX | I | P

CHR | RCS | CI |

14 NOV 95

07 : 30 : 00

MODE SELECTION
1 AUTOMATIC

SAFEGUARDS SIGNALS

PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

ERFCS DISPLAYS OPERATIONAL
RCS Heat Removal, Page 250

PAGE	DRAWING
_350	MAIN STEAM
_351	SECONDARY STEAM 1
_352	SECONDARY STEAM 2
_353	CONDENSATE AND FEEDWATER
_354	AUXILIARY FEEDWATER
_355	CIRCULATING WATER
_356	CONDENSER EVACUATION
_251	RCS HEAT REMOVAL ALARMS

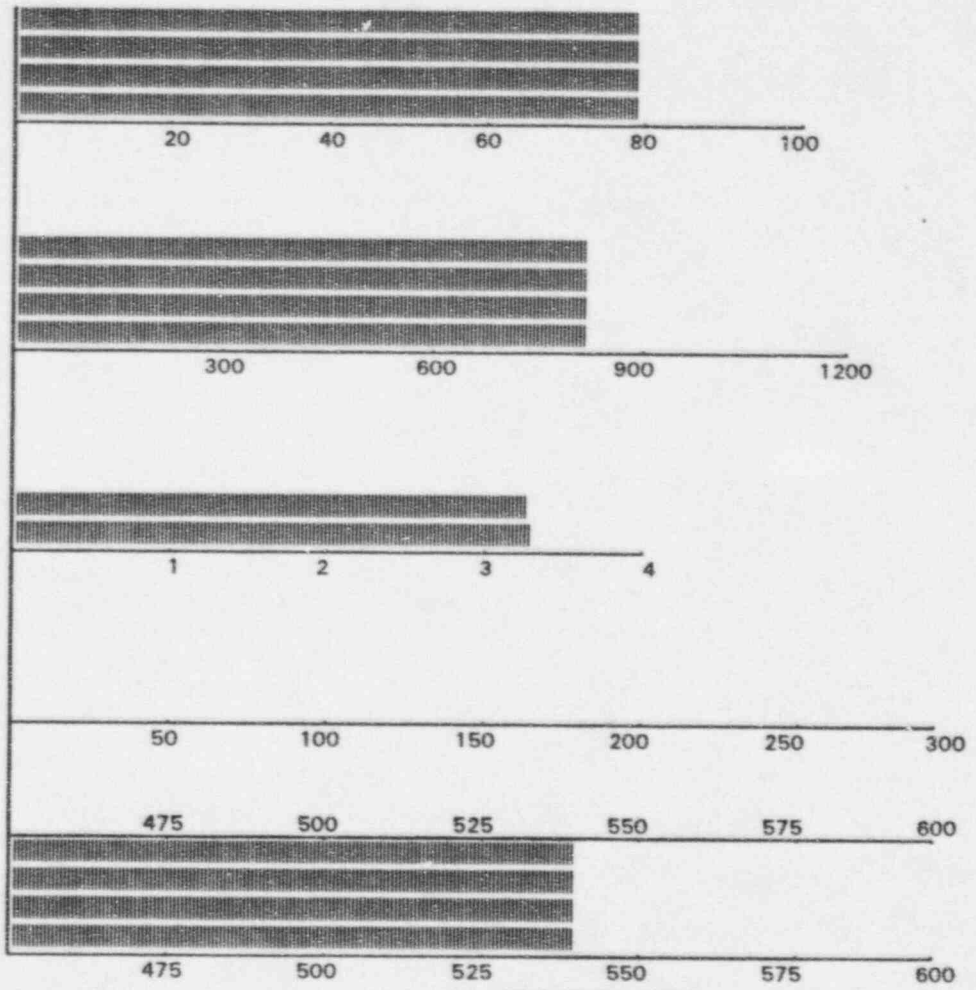
SG LEVEL (% WR)
RC-2A 79.9
RC-2A 79.9
RC-2B 79.5
RC-2B 79.5

SG PRESSURE (PSIA)
RC-2A 806
RC-2A 806
RC-2B 806
RC-2B 806

MAIN FW FLOW (MLB/HR)
RC-2A 3.290
RC-2B 3.300

AUXILIARY FEEDWATER FLOW (GPM)
RC-2A .0
RC-2B .0

T-COLD (DEG F)
LOOP 1A 540
LOOP 1B 540
LOOP 2A 540
LOOP 2B 540



LOOP 1 HOT LEG (AVG DEG F) 591

LOOP 2 HOT LEG (AVG DEG F) 591

RCS HEAT REMOVAL

PAGE 250

RX | VAX | I | P

CHR | RCS | CI |

MODE 1 14 NOV 95

MODE SELECTION AUTOMATIC 07 : 30 : 00

SAFEGUARDS SIGNALS

PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

ERFCS DISPLAYS OPERATIONAL
Containment Integrity, Page 260

PAGE	DRAWING
_360	PROCESS MONITORS
_361	AREA MONITORS
_362	CONTAINMENT SPRAY
_363	CONTAINMENT HVAC
_364	CONTAINMENT
_261	CONTAINMENT INTEGRITY ALARM SETPOINTS

CONTAINMENT SUMP LEVEL (AVE IN H20)
13.7

10 20 30 40

CONTAINMENT AREA RADIATION MONITORS (#)
IN ALARM 0
IN ALERT 0

2 4 6 8

CONTAINMENT ATM RADIATION MONITORS (#)
IN ALARM 0
IN ALERT 0

1 2 3 4 5

SECONDARY RADIATION MONITORS (#)
IN ALARM 0
IN ALERT 0

1 2 3

NUMBER OF VALVES NOT IN CIAS
0

CONTAINMENT PRESSURE WIDE RANGE (PSIG)
0.7

CONTAINMENT SPRAY F342 (GPM)
0.0

CONTAINMENT SPRAY F343 (GPM)
0.0

CONTAINMENT PRESSURE (HI PSIG)
0.69

-3 0 3 5

CONTAINMENT AVE TEMP (DEG F)
108.0

MAIN STEAM RAD. MON. RM064 (CPM)
2.000E-01

CONTAINMENT HYDROGEN (MAX %)
0.0

2 4 6 8 10

CONTAINMENT INTEGRITY

PAGE 260

RX VAX I P

CHR RCS CI

MODE 1 14 NOV 95

MODE SELECTION AUTOMATIC 07 : 30 : 00

SAFEGUARDS SIGNALS

PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

OPERATIONAL DATA SUMMARIES AND GRAPHS

The Operational Plant Data Summary Table and graphs are provided under this heading. This information is for use by evaluators and controllers only.

The data for the tables and the graphs was collected from the simulator during a development run of the exercise scenario and then edited. The data is representative of what may be expected during the exercise. The actual operational data during the exercise will vary due to simulator and player response.

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	Plant Mode	PZR pressure	PZR level (X)	PZR level (Y)	PZR liq.temp.	PZR stm.temp.	PZR htrs	RVLMS A	RVLMS B	CET avg	CET hi	Subcooling Margin
		psig	inches	inches	°F	°F	kW	%	%	°F	°F	°F
7:30	1	2110	60.2	60.2	640.0	640.0	278	100	100	590.0	609	60
7:35	1	2110	60.1	60.1	640.0	640.0	278	100	100	590.0	609	60
7:40	1	2110	60.1	60.1	640.0	640.0	278	100	100	590.0	609	60
7:45	1	2110	60.1	60.1	640.0	640.0	278	100	100	590.0	609	60
7:50	1	2110	60.1	60.1	640.0	640.0	278	100	100	590.0	609	60
7:55	1	2110	60.1	60.1	640.0	640.0	278	100	100	590.0	609	60
8:00	1	2110	60.1	60.1	640.0	640.0	278	100	100	590.0	609	60
8:05	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
8:10	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
8:15	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
8:20	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
8:25	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
8:30	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
8:35	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
8:40	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
8:45	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
8:50	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
8:55	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
9:00	1	2110	60.0	60.0	640.0	640.0	278	100	100	590.0	609	60
9:05	1	2100	55.9	55.9	640.0	640.0	278	100	100	590.0	609	59
9:10	1	2080	56.3	56.3	640.0	640.0	653	100	100	580.0	598	66
9:15	1	2110	53.9	53.9	640.0	640.0	653	100	100	560.0	578	82
9:20	1	2110	51.3	51.3	640.0	640.0	653	100	100	550.0	558	96
9:25	1	2050	43.8	43.8	640.0	640.0	673	100	100	530.0	536	107
9:30	1	2050	43.8	43.8	640.0	640.0	673	100	100	530.0	535	107
9:35	1	2050	43.8	43.8	640.0	640.0	673	100	100	530.0	533	107
9:40	2	2060	42.4	42.4	640.0	640.0	653	100	100	530.0	531	111
9:45	2	2040	42.6	42.6	640.0	640.0	683	100	100	530.0	528	113
9:50	2	2050	42.1	42.1	640.0	640.0	666	100	100	520.0	523	118
9:55	3	2090	40.9	40.9	640.0	640.0	0	100	100	520.0	519	126
10:00	3	2060	38.6	38.6	640.0	640.0	0	100	100	510.0	513	129
10:05	3	2050	38.1	38.1	640.0	640.0	0	100	100	510.0	512	130
10:10	3	1930	28.6	28.6	630.0	630.0	0	100	100	530.0	560	99
10:15	3	957	0.0	0.0	540.0	540.0	0	80	80	540.0	570	4
10:20	3	1000	0.0	0.0	550.0	550.0	0	63	63	550.0	576	4
10:25	3	984	0.0	0.0	540.0	540.0	0	43	43	550.0	545	4
10:30	3	1000	0.0	0.0	550.0	550.0	0	43	43	550.0	576	2
10:35	3	1000	0.0	0.0	550.0	550.0	0	43	43	550.0	575	3

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	Letdown Flow	CEA's not inserted	NI pwr.(WR)	THot loop-1	THot loop-2	TCold loop-1a	TCold loop-1b	TCold loop-2a	TCold loop-2b	RCP RC-3A	RCP RC-3B
	gpm	#	%	°F	°F	°F	°F	°F	°F		
7:30	35.9	0	114.0	594	594	543	543	543	543	RUN	RUN
7:35	35.7	0	114.0	594	594	543	543	543	543	RUN	RUN
7:40	35.6	0	114.0	594	594	543	543	543	543	RUN	RUN
7:45	35.6	0	114.0	594	594	543	543	543	543	RUN	RUN
7:50	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
7:55	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:00	35.4	0	114.0	594	594	543	543	543	543	RUN	RUN
8:05	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:10	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:15	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:20	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:25	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:30	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:35	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:40	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:45	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:50	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
8:55	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
9:00	35.5	0	114.0	594	594	543	543	543	543	RUN	RUN
9:05	26.0	0	114.0	594	594	543	543	543	543	RUN	RUN
9:10	0.0	0	97.0	586	586	542	542	542	542	RUN	RUN
9:15	0.0	0	62.0	571	571	541	541	541	541	RUN	RUN
9:20	0.0	0	34.1	556	556	539	539	539	539	RUN	RUN
9:25	0.0	0	11.3	539	539	531.34	531.34	531.34	531.34	RUN	RUN
9:30	0.0	0	8.4	538	538	529.69	529.69	529.69	529.69	RUN	RUN
9:35	0.0	0	5.6	536	536	528.04	528.04	528.04	528.04	RUN	RUN
9:40	0.0	0	0.8	533	533	531	531	531	531	RUN	RUN
9:45	0.0	0	0.0	529	529	528	528	528	528	RUN	RUN
9:50	0.0	0	0.0	525	525	524	524	524	524	RUN	RUN
9:55	0.0	0	0.0	520	520	519	519	519	519	RUN	RUN
10:00	0.0	0	0.0	514	514	513	513	513	513	RUN	RUN
10:05	0.0	0	0.0	513	513	512	512	512	512	RUN	RUN
10:10	0.0	0	0.0	529	530	517	517	516	516	TRIP	TRIP
10:15	0.0	0	0.0	540	540	533	533	528	528	TRIP	TRIP
10:20	0.0	0	0.0	546	546	536	5	536	536	TRIP	TRIP
10:25	0.0	0	0.0	543	543	541	541	541	541	TRIP	TRIP
10:30	0.0	0	0.0	546	546	547	548	547	547	TRIP	TRIP
10:35	0.0	0	0.0	545	545	551	552	551	551	TRIP	TRIP

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	RCP RC-3C	RCP RC-3D	SG A Pressure	SG B Pressure	SG A level (NR)	SG B level (NR)	SG A level (WR)	SG B level (WR)	Steam flow A
			psig	psig	%	%	%	%	MLb/Hr
7:30	RUN	RUN	830.0	830.0	66.6	66.5	80.1	80.0	3.3
7:35	RUN	RUN	830.0	830.0	68.1	68.0	80.6	80.5	3.3
7:40	RUN	RUN	830.0	830.0	68.0	67.9	80.5	80.5	3.3
7:45	RUN	RUN	830.0	830.0	68.0	67.9	80.5	80.5	3.3
7:50	RUN	RUN	830.0	830.0	68.1	68.0	80.6	80.5	3.3
7:55	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:00	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:05	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:10	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:15	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:20	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:25	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:30	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:35	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:40	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:45	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:50	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
8:55	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
9:00	RUN	RUN	830.0	830.0	68.0	68.0	80.6	80.5	3.3
9:05	RUN	RUN	828.0	828.0	68.2	68.1	80.6	80.6	3.3
9:10	RUN	RUN	843.0	843.0	75.5	75.5	84.0	84.0	2.7
9:15	RUN	RUN	884.0	883.0	72.2	72.2	83.4	83.4	1.7
9:20	RUN	RUN	903.0	903.0	73.4	73.4	85.7	85.7	0.9
9:25	RUN	RUN	901.0	901.0	58.9	59.5	83.6	83.8	0.6
9:30	RUN	RUN	901.0	901.0	62.4	63.0	83.6	83.8	0.6
9:35	RUN	RUN	901.0	901.0	65.9	66.5	83.6	83.8	0.6
9:40	RUN	RUN	896.0	896.0	73.3	73.9	89.1	89.4	0.6
9:45	RUN	RUN	860.0	860.0	82.1	83.1	92.8	93.3	0.6
9:50	RUN	RUN	835.0	835.0	75.0	76.6	89.6	90.2	0.6
9:55	RUN	RUN	801.0	801.0	65.8	66.7	86.5	86.8	0.6
10:00	RUN	RUN	760.0	760.0	62.9	63.6	85.6	85.9	0.5
10:05	RUN	RUN	751.0	751.0	62.2	62.9	85.4	85.7	0.5
10:10	TRIP	TRIP	801.0	809.0	59.6	60.7	84.1	84.6	0.6
10:15	TRIP	TRIP	903.0	888.0	57.9	61.8	82.4	84.5	0.6
10:20	TRIP	TRIP	937.0	937.0	58.6	67.1	82.4	86.0	0.6
10:25	TRIP	TRIP	980.0	980.0	60.9	69.4	83.1	86.7	0.6
10:30	TRIP	TRIP	1000.0	1000.0	63.1	72.8	83.8	88.1	0.6
10:35	TRIP	TRIP	1000.0	1000.0	65.8	79.6	84.9	91.0	0.6

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	Steam flow B	Feedflow A	Feedflow B	MSIV loop-1	MSIV loop-2	AFW flow A	AFW flow B	Containment press	Containment temp.
	MLb/Hr	MLb/Hr	MLb/Hr			gpm	gpm	psig	°F
7:30	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
7:35	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
7:40	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
7:45	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
7:50	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
7:55	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:00	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:05	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:10	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:15	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:20	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:25	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:30	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:35	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:40	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:45	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:50	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
8:55	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
9:00	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
9:05	3.3	3.3	3.3	OPEN	OPEN	0	0	0.6	105
9:10	2.7	2.7	2.7	OPEN	OPEN	0	0	0.6	105
9:15	1.7	1.9	1.9	OPEN	OPEN	0	0	0.6	104
9:20	0.9	0.7	0.7	OPEN	OPEN	0	0	0.6	104
9:25	0.6	0.9	0.9	OPEN	OPEN	0	0	0.6	103
9:30	0.6	0.9	0.9	OPEN	OPEN	0	0	0.6	103
9:35	0.6	0.9	0.9	OPEN	OPEN	0	0	0.6	103
9:40	0.6	0.4	0.4	OPEN	OPEN	0	0	0.6	103
9:45	0.6	0.0	0.0	OPEN	OPEN	0	0	0.6	102
9:50	0.6	0.0	0.0	OPEN	OPEN	0	0	0.6	102
9:55	0.6	0.1	0.1	OPEN	OPEN	0	0	0.6	102
10:00	0.5	0.1	0.1	OPEN	OPEN	0	0	0.6	101
10:05	0.5	0.1	0.1	OPEN	OPEN	0	0	0.6	101
10:10	0.6	0.0	0.0	OPEN	OPEN	0	0	0.9	111
10:15	0.6	0.0	0.1	OPEN	OPEN	0	0	1.1	116
10:20	0.6	0.1	0.1	OPEN	OPEN	0	0	1.1	118
10:25	0.6	0.1	0.1	OPEN	OPEN	0	0	1.2	119
10:30	0.6	0.0	0.1	OPEN	OPEN	0	0	1.2	120
10:35	0.6	0.1	0.0	OPEN	OPEN	0	0	1.2	120

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	Containment dewpoint	Containment H2 conc.	Cont.sump level(NR)	Cont.sump level(WR)	VCT level	SIRWT level	EDG #1	EDG #2	CHG pump A	CHG pump B
	°F	%	inches	feet	inches	inches				
7:30	74.1	0.0	14.2	0.0	67.5	189	OFF	OFF	STBY	RUN
7:35	74.1	0.0	14.2	0.0	67.4	189	OFF	OFF	STBY	RUN
7:40	74.1	0.0	14.2	0.0	67.4	189	OFF	OFF	STBY	RUN
7:45	74.1	0.0	14.2	0.0	67.3	189	OFF	OFF	STBY	RUN
7:50	74.1	0.0	14.2	0.0	67.2	189	OFF	OFF	STBY	RUN
7:55	74.1	0.0	14.2	0.0	67.1	189	OFF	OFF	STBY	RUN
8:00	74.1	0.0	14.2	0.0	67	189	OFF	OFF	STBY	RUN
8:05	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
8:10	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
8:15	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
8:20	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
8:25	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
8:30	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
8:35	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
8:40	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
8:45	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
8:50	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
8:55	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
9:00	74.1	0.0	14.2	0.0	66.9	189	OFF	OFF	STBY	RUN
9:05	74.1	0.0	14.2	0.0	54	189	OFF	OFF	RUN	RUN
9:10	74.1	0.0	14.2	0.0	52.3	189	OFF	OFF	RUN	RUN
9:15	74	0.0	14.3	0.0	53.2	188	OFF	OFF	RUN	RUN
9:20	74	0.0	14.6	0.0	54.1	188	OFF	OFF	RUN	RUN
9:25	74.8	0.0	17.0	0.0	54.6	188	OFF	OFF	RUN	RUN
9:30	74.8	0.0	17.0	0.0	54.6	188	OFF	OFF	RUN	RUN
9:35	74.8	0.0	17.0	0.0	54.6	188	OFF	OFF	RUN	RUN
9:40	75.2	0.0	21.1	0.0	54.9	188	OFF	OFF	RUN	RUN
9:45	76.9	0.0	22.9	0.0	55.8	187	OFF	OFF	RUN	RUN
9:50	77.9	0.0	23.0	0.0	56.6	187	OFF	OFF	RUN	RUN
9:55	78.5	0.0	16.7	0.0	57.5	187	OFF	OFF	RUN	RUN
10:00	78.7	0.0	18.3	0.0	58.2	186	OFF	OFF	RUN	RUN
10:05	78.7	0.0	10.1	0.0	58.4	186	OFF	OFF	RUN	RUN
10:10	82.1	0.0	24.7	0.0	59.2	186	OFF	OFF	STBY	STBY
10:15	83.9	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
10:20	84.1	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
10:25	84.2	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
10:30	84.2	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
10:35	84.2	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	CHG pump C	CHG header flow	HPSI A	HPSI B	HPSI C	HPSI header flow	LPSI A	LPSI B	LPSI header flow	CCW A	CCW B	CCW C	Cont. Spray A	Cont. Spray B
		gpm				gpm			gpm					
7:30	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
7:35	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
7:40	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
7:45	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
7:50	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
7:55	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:00	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:05	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:10	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:15	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:20	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:25	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:30	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:35	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:40	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:45	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:50	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
8:55	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:00	STBY	40	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:05	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:10	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:15	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:20	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:25	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:30	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:35	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:40	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:45	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:50	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
9:55	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
10:00	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
10:05	RUN	120	STBY	STBY	STBY	0	STBY	STBY	0	STBY	RUN	STBY	STBY	STBY
10:10	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
10:15	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
10:20	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
10:25	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
10:30	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
10:35	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	Cont. Spray C	Cont. Spray header flow	Air Compressor A	Air Compressor B	Air Compressor C	Air header pressure	FW-8	FW-10	PPLS	SIAS	CPHS	CIAS	CRHS	VIAS
		gpm				psig								
7:30	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
7:35	STBY	0	RUN	STBY	STBY	99.3	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
7:40	STBY	0	RUN	STBY	STBY	101	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
7:45	STBY	0	RUN	STBY	STBY	102	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
7:50	STBY	0	RUN	STBY	STBY	98.2	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
7:55	STBY	0	RUN	STBY	STBY	99.7	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:00	STBY	0	RUN	STBY	STBY	101	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:05	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:10	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:15	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:20	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:25	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:30	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:35	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:40	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:45	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:50	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
8:55	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
9:00	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
9:05	STBY	0	RUN	STBY	STBY	98	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
9:10	STBY	0	RUN	STBY	STBY	100	STBY	STBY	STBY	STBY	STBY	STBY	ACT	ACT
9:15	STBY	0	RUN	STBY	STBY	102	STBY	STBY	STBY	STBY	STBY	STBY	ACT	ACT
9:20	STBY	0	STBY	STBY	STBY	103	STBY	STBY	STBY	STBY	STBY	STBY	ACT	ACT
9:25	STBY	0	RUN	STBY	STBY	97.9	STBY	STBY	STBY	STBY	STBY	STBY	ACT	ACT
9:30	STBY	0	RUN	STBY	STBY	97.9	STBY	STBY	STBY	STBY	STBY	STBY	ACT	ACT
9:35	STBY	0	RUN	STBY	STBY	97.9	STBY	STBY	STBY	STBY	STBY	STBY	ACT	ACT
9:40	STBY	0	RUN	STBY	STBY	98.5	RUN	STBY	STBY	STBY	STBY	STBY	ACT	ACT
9:45	STBY	0	RUN	STBY	STBY	100	RUN	STBY	STBY	STBY	STBY	STBY	ACT	ACT
9:50	STBY	0	RUN	STBY	STBY	102	RUN	STBY	STBY	STBY	STBY	STBY	ACT	ACT
9:55	STBY	0	STBY	STBY	STBY	103	RUN	STBY	STBY	STBY	STBY	STBY	ACT	ACT
10:00	STBY	0	STBY	STBY	STBY	103	RUN	STBY	STBY	STBY	STBY	STBY	ACT	ACT
10:05	STBY	0	STBY	STBY	STBY	103	RUN	STBY	STBY	STBY	STBY	STBY	ACT	ACT
10:10	STBY	0	RUN	STBY	STBY	81.1	STBY	STBY	STBY	STBY	STBY	STBY	ACT	ACT
10:15	STBY	0	RUN	STBY	STBY	62.3	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
10:20	STBY	0	RUN	STBY	STBY	47.3	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
10:25	STBY	0	RUN	STBY	STBY	36.4	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
10:30	STBY	0	RUN	STBY	STBY	27.9	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
10:35	STBY	0	RUN	STBY	STBY	21.2	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT

OPERATIONAL DATA

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	RAS	STLS	CSAS	OPLS	Stack flow	Reactor	Turbine	Generator	Offsite pwr 345	Offsite pwr 161	DC bus 1	DC bus 2
					cfm						volts	volts
7:30	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
7:35	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
7:40	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
7:45	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
7:50	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
7:55	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:00	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:05	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:10	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:15	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:20	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:25	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:30	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:35	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:40	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:45	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:50	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
8:55	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
9:00	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
9:05	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
9:10	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
9:15	STBY	STBY	STBY	NT AC	48300	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
9:20	STBY	STBY	STBY	NT AC	24000	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
9:25	STBY	STBY	STBY	NT AC	24000	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
9:30	STBY	STBY	STBY	NT AC	24000	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
9:35	STBY	STBY	STBY	NT AC	24000	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
9:40	STBY	STBY	STBY	NT AC	24000	NT TRIP	NT TRIP	NT TRIP	AVAIL	AVAIL	129	129
9:45	STBY	STBY	STBY	NT AC	24000	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	129
9:50	STBY	STBY	STBY	NT AC	24000	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	129
9:55	STBY	STBY	STBY	NT AC	24000	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	129
10:00	STBY	STBY	STBY	NT AC	24000	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	129
10:05	STBY	STBY	STBY	NT AC	24000	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	129
10:10	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	129
10:15	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	128
10:20	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	128
10:25	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	128
10:30	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	128
10:35	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	128

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	Plant Mode	PZR pressure	PZR level (X)	PZR level (Y)	PZR liq.temp.	PZR stm.temp.	PZR htrs	RVLMS A	RVLMS B	CET avg	CET hi	Subcooling Margin
		psig	inches	inches	°F	°F	kW	%	%	°F	°F	°F
10:40	3	989	0.0	0.0	540.0	540.0	0	43	43	540.0	540	2
10:45	3	978	0.0	0.0	540.0	540.0	0	29	29	540.0	540	3
10:50	3	759	0.0	0.0	520.0	540.0	0	21	21	540.0	540	1
10:55	3	696	0.0	0.0	510.0	520.0	0	14	14	520.0	520	1
11:00	3	696	0.0	0.0	510.0	520.0	0	14	14	520.0	520	1
11:05	3	696	0.0	0.0	510.0	520.0	0	14	14	520.0	520	1
11:10	3	591	0.0	0.0	480.0	490.0	0	0	0	490.0	490	0
11:15	3	307	0.0	0.0	420.0	430.0	0	0	0	430.0	430	0
11:20	3	103	0.0	0.0	330.0	330.0	0	0	0	330.0	330	0
11:25	3	177	0.0	0.0	380.0	360.0	0	43	43	360.0	360	12
11:30	3	270	0.0	0.0	430.0	410.0	0	43	43	410.0	410	11
11:35	3	321	0.0	0.0	440.0	450.0	0	29	29	450.0	450	11
11:40	3	374	0.0	0.0	460.0	460.0	0	21	21	460.0	460	10
11:45	3	443	0.0	0.0	480.0	480.0	0	21	21	480.0	480	10
11:50	3	444	0.0	0.0	470.0	480.0	0	43	43	480.0	480	9
11:55	3	411	0.0	0.0	450.0	450.0	0	43	43	450.0	450	9
12:00	3	429	0.0	0.0	460.0	460.0	0	29	29	450.0	486	8
12:05	3	441	0.0	0.0	470.0	470.0	0	29	29	460.0	489	8
12:10	3	478	0.0	0.0	480.0	470.0	0	43	43	460.0	496	7
12:15	3	555	0.0	0.0	500.0	500.0	0	43	43	480.0	510	7
12:20	3	563	0.0	0.0	490.0	490.0	0	43	43	480.0	511	6
12:25	3	541	0.0	0.0	480.0	500.0	0	43	43	470.0	506	6
12:30	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	5
12:35	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	5
12:40	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	4
12:45	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	4
12:50	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	3
12:55	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	3
13:00	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	3
13:05	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	3
13:10	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	2
13:15	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	2
13:20	[illegible]	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	3
13:25	[illegible]	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	3
13:30	3	475	0.0	0.0	470.0	470.0	0	43	43	450.0	484	2

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	Letdown Flow	CEA's not inserted	NI pwr.(WR)	THot loop-1	THot loop-2	TCold loop-1a	TCold loop-1b	TCold loop-2a	TCold loop-2b	RCP RC-3A	RCP RC-3B
	gpm	#	%	°F	°F	°F	°F	°F	°F		
10:40	0.0	0	0.0	544	544	546	547	546	546	TRIP	TRIP
10:45	0.0	0	0.0	543	543	543	544	543	543	TRIP	TRIP
10:50	0.0	0	0.0	527	527	527	527	528	528	TRIP	TRIP
10:55	0.0	0	0.0	517	516	515	514	515	516	TRIP	TRIP
11:00	0.0	0	0.0	517	516	515	514	515	516	TRIP	TRIP
11:05	0.0	0	0.0	517	516	515	514	515	516	TRIP	TRIP
11:10	0.0	0	0.0	496	494	493	492	493	493	TRIP	TRIP
11:15	0.0	0	0.0	431	430	430	430	436	436	TRIP	TRIP
11:20	0.0	0	0.0	342	332	366	376	371	376	TRIP	TRIP
11:25	0.0	0	0.0	369	369	436	436	434	434	TRIP	TRIP
11:30	0.0	0	0.0	405	406	456	456	471	464	TRIP	TRIP
11:35	0.0	0	0.0	433	424	465	465	489	483	TRIP	TRIP
11:40	0.0	0	0.0	443	441	465	465	471	469	TRIP	TRIP
11:45	0.0	0	0.0	461	461	480	480	482	483	TRIP	TRIP
11:50	0.0	0	0.0	461	461	467	467	467	467	TRIP	TRIP
11:55	0.0	0	0.0	454	454	454	454	454	454	TRIP	TRIP
12:00	0.0	0	0.0	458	458	458	458	458	458	TRIP	TRIP
12:05	0.0	0	0.0	460	460	460	460	460	460	TRIP	TRIP
12:10	0.0	0	0.0	467	467	469	469	469	469	TRIP	TRIP
12:15	0.0	0	0.0	481	481	492	492	492	492	TRIP	TRIP
12:20	0.0	0	0.0	482	479	485	486	484	485	TRIP	TRIP
12:25	0.0	0	0.0	479	481	482	482	482	482	TRIP	TRIP
12:30	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
12:35	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
12:40	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
12:45	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
12:50	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
12:55	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
13:00	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
13:05	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
13:10	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
13:15	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
13:20	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
13:25	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP
13:30	0.0	0	0.0	454	473	468	468	468	468	TRIP	TRIP

OPERATIONAL DATA

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	RCP RC-3C	RCP RC-3D	SG A Pressure	SG B Pressure	SG A level (NR)	SG B level (NR)	SG A level (WR)	SG B level (WR)	Steam flow A
			psig	psig	%	%	%	%	MLb/Hr
10:40	TRIP	TRIP	990.0	989.0	68.8	86.0	86.4	93.8	0.6
10:45	TRIP	TRIP	979.0	979.0	76.1	88.7	89.6	95.0	0.6
10:50	TRIP	TRIP	845.0	849.0	89.6	89.9	97.0	96.9	0.6
10:55	TRIP	TRIP	764.4	779.0	90.6	90.4	98.3	98.0	0.6
11:00	TRIP	TRIP	747.4	764.0	90.6	90.4	98.3	98.0	0.6
11:05	TRIP	TRIP	730.4	749.0	90.6	90.4	98.3	98.0	0.6
11:10	TRIP	TRIP	667.0	692.0	93.7	90.9	100.0	98.9	0.6
11:15	TRIP	TRIP	502.0	550.0	96.1	90.1	100.0	100.0	0.5
11:20	TRIP	TRIP	432.0	504.0	96.2	90.1	100.0	100.0	0.5
11:25	TRIP	TRIP	402.0	493.0	96.3	90.1	100.0	100.0	0.5
11:30	TRIP	TRIP	391.0	495.0	96.4	90.1	100.0	100.0	0.5
11:35	TRIP	TRIP	384.0	489.0	96.4	90.1	100.0	100.0	0.4
11:40	TRIP	TRIP	377.0	477.0	96.4	90.2	100.0	100.0	0.4
11:45	TRIP	TRIP	444.0	465.0	96.6	90.2	100.0	100.0	0.4
11:50	TRIP	TRIP	447.0	450.0	97.1	90.3	100.0	100.0	0.4
11:55	TRIP	TRIP	413.0	432.0	98.4	90.3	100.0	100.0	0.4
12:00	TRIP	TRIP	432.0	428.0	98.8	90.4	100.0	100.0	0.4
12:05	TRIP	TRIP	443.0	442.0	98.6	90.9	100.0	100.0	0.4
12:10	TRIP	TRIP	479.0	479.0	97.2	92.1	100.0	100.0	0.4
12:15	TRIP	TRIP	558.0	558.0	93.2	88.8	100.0	99.5	0.4
12:20	TRIP	TRIP	566.0	566.0	93.7	89.1	100.0	99.6	0.4
12:25	TRIP	TRIP	541.0	548.0	95.0	90.2	100.0	100.0	0.4
12:30	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
12:35	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
12:40	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
12:45	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
12:50	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
12:55	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
13:00	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
13:05	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
13:10	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
13:15	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
13:20	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
13:25	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4
13:30	TRIP	TRIP	486.0	505.0	96.3	91.2	100.0	100.0	0.4

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	Steam flow B	Feedflow A	Feedflow B	MSIV loop-1	MSIV loop-2	AFW flow A	AFW flow B	Containment press	Containment temp.
	MLb/Hr	MLb/Hr	MLb/Hr			gpm	gpm	psig	°F
10:40	0.6	0.1	0.0	OPEN	OPEN	0	0	1.2	121
10:45	0.6	0.1	0.0	OPEN	OPEN	0	0	1.2	122
10:50	0.6	0.0	0.0	OPEN	OPEN	0	0	1.3	122
10:55	0.6	0.0	0.0	OPEN	OPEN	0	0	1.3	122
11:00	0.6	0.0	0.0	OPEN	OPEN	0	0	1.3	122
11:05	0.6	0.0	0.0	OPEN	OPEN	0	0	1.3	122
11:10	0.6	0.0	0.0	OPEN	OPEN	0	0	1.3	123
11:15	0.5	0.0	0.0	CLOSED	CLOSED	0	0	1.3	123
11:20	0.5	0.0	0.0	CLOSED	CLOSED	0	0	1.3	123
11:25	0.5	0.0	0.0	CLOSED	CLOSED	0	0	1.3	122
11:30	0.5	0.0	0.0	CLOSED	CLOSED	0	0	1.3	122
11:35	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.3	122
11:40	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.3	122
11:45	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.3	122
11:50	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.3	122
11:55	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.3	121
12:00	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.3	121
12:05	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.3	122
12:10	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.3	122
12:15	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	122
12:20	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
12:25	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
12:30	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
12:35	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
12:40	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
12:45	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
12:50	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
12:55	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
13:00	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
13:05	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
13:10	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
13:15	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
13:20	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
13:25	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123
13:30	0.4	0.0	0.0	CLOSED	CLOSED	0	0	1.4	123

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	Containment dewpoint	Containment H2 conc.	Cont.sump level(NR)	Cont.sump level(WR)	VCT level	SIRWT level	EDG #1	EDG #2	CHG pump A	CHG pump B
	°F	%	inches	feet	inches	inches				
10:40	84.3	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
10:45	84.6	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
10:50	84.9	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
10:55	85	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
11:00	85	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
11:05	85	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
11:10	85.1	0.0	24.7	0.0	59.5	186	OFF	OFF	STBY	STBY
11:15	85.5	0.0	24.7	0.0	59.5	178	OFF	OFF	STBY	STBY
11:20	85.8	0.0	24.7	0.0	59.5	137	OFF	OFF	STBY	STBY
11:25	86.1	0.0	24.7	0.0	59.5	107	OFF	OFF	STBY	STBY
11:30	86.5	0.0	24.7	0.0	59.5	83	OFF	OFF	STBY	STBY
11:35	86.9	0.0	24.7	0.0	59.5	65	OFF	OFF	STBY	STBY
11:40	87.2	0.0	24.7	0.0	59.5	51	OFF	OFF	STBY	STBY
11:45	87.6	0.0	24.7	0.0	59.5	185	RUN	OFF	RUN	STBY
11:50	87.9	0.0	24.7	0.0	59.5	182	RUN	OFF	RUN	STBY
11:55	88.2	0.0	24.7	0.0	59.5	176	RUN	OFF	RUN	STBY
12:00	88.4	0.0	24.7	0.0	59.5	176	RUN	OFF	RUN	STBY
12:05	88.7	0.0	24.7	0.0	59.5	176	RUN	OFF	RUN	STBY
12:10	89	0.0	24.7	0.0	59.5	176	RUN	OFF	RUN	STBY
12:15	89.3	0.0	24.7	0.0	59.5	174	RUN	OFF	RUN	STBY
12:20	89.5	0.0	24.7	0.0	59.5	167	RUN	OFF	RUN	STBY
12:25	89.8	0.0	24.7	0.0	59.5	157	RUN	OFF	RUN	STBY
12:30	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
12:35	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
12:40	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
12:45	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
12:50	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
12:55	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
13:00	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
13:05	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
13:10	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
13:15	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
13:20	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
13:25	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY
13:30	89.9	0.0	24.7	0.0	59.5	153	RUN	OFF	RUN	STBY

OPERATIONAL PLANT DATA SUMMARY TABLE

Time	CHG pump C	CHG header flow	HPSI A	HPSI B	HPSI C	HPSI header flow	LPSI A	LPSI B	LPSI header flow	CCW A	CCW B	CCW C	Cont. Spray A	Cont. Spray B
		gpm				gpm			gpm					
10:40	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
10:45	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
10:50	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
10:55	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
11:00	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
11:05	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
11:10	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
11:15	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
11:20	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
11:25	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
11:30	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
11:35	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
11:40	STBY	0	STBY	STBY	STBY	0	STBY	STBY	0	STBY	STBY	STBY	STBY	STBY
11:45	RUN	60	RUN	STBY	RUN	727	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
11:50	RUN	80	RUN	STBY	RUN	720	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
11:55	RUN	80	RUN	STBY	RUN	718	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:00	RUN	80	RUN	STBY	RUN	702	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:05	RUN	80	RUN	STBY	RUN	686	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:10	RUN	80	RUN	STBY	RUN	670	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:15	RUN	80	RUN	STBY	RUN	675	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:20	RUN	80	RUN	STBY	RUN	660	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:25	RUN	80	RUN	STBY	RUN	679	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:30	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:35	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:40	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:45	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:50	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
12:55	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
13:00	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
13:05	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
13:10	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
13:15	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
13:20	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
13:25	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY
13:30	RUN	80	RUN	STBY	RUN	711	RUN	STBY	0	RUN	STBY	RUN	STBY	STBY

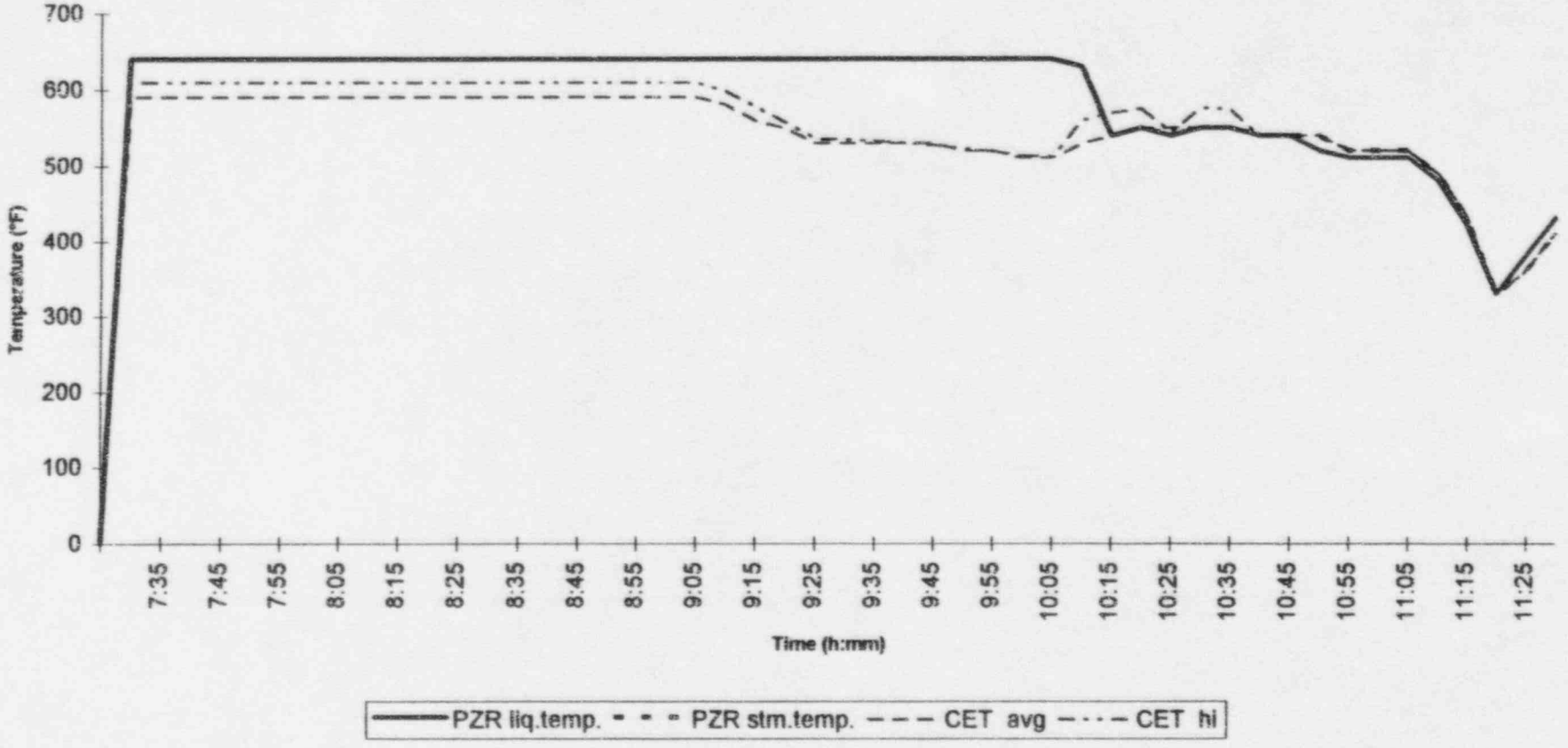
OPERATIONAL PLANT DATA SUMMARY TABLE

Time	Cont. Spray C	Cont. Spray header flow	Air Compressor A	Air Compressor B	Air Compressor C	Air header pressure	FW-8	FW-10	PPLS	SIAS	CPHS	CIAS	CRHS	VIAS
		gpm				psig								
10:40	STBY	0	RUN	STBY	STBY	16.3	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
10:45	STBY	0	RUN	STBY	STBY	12.4	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
10:50	STBY	0	RUN	STBY	STBY	9.5	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
10:55	STBY	0	RUN	STBY	STBY	9.01	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:00	STBY	0	RUN	STBY	STBY	9.01	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:05	STBY	0	RUN	STBY	STBY	9.01	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:10	STBY	0	RUN	STBY	STBY	8.17	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:15	STBY	0	RUN	STBY	STBY	6.21	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:20	STBY	0	RUN	STBY	STBY	4.75	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:25	STBY	0	RUN	STBY	STBY	3.64	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:30	STBY	0	RUN	STBY	STBY	2.79	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:35	STBY	0	RUN	STBY	STBY	2.11	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:40	STBY	0	RUN	STBY	STBY	1.63	STBY	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:45	STBY	0	RUN	STBY	STBY	11.2	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:50	STBY	0	RUN	STBY	STBY	68.2	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
11:55	STBY	0	RUN	STBY	STBY	51.5	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:00	STBY	0	RUN	STBY	STBY	39.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:05	STBY	0	RUN	STBY	STBY	30.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:10	STBY	0	RUN	STBY	STBY	23	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:15	STBY	0	RUN	STBY	STBY	17.7	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:20	STBY	0	RUN	STBY	STBY	13.5	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:25	STBY	0	RUN	STBY	STBY	10.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:30	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:35	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:40	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:45	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:50	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
12:55	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
13:00	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
13:05	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
13:10	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
13:15	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
13:20	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
13:25	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT
13:30	STBY	0	RUN	STBY	STBY	9.3	RUN	STBY	ACT	ACT	STBY	ACT	ACT	ACT

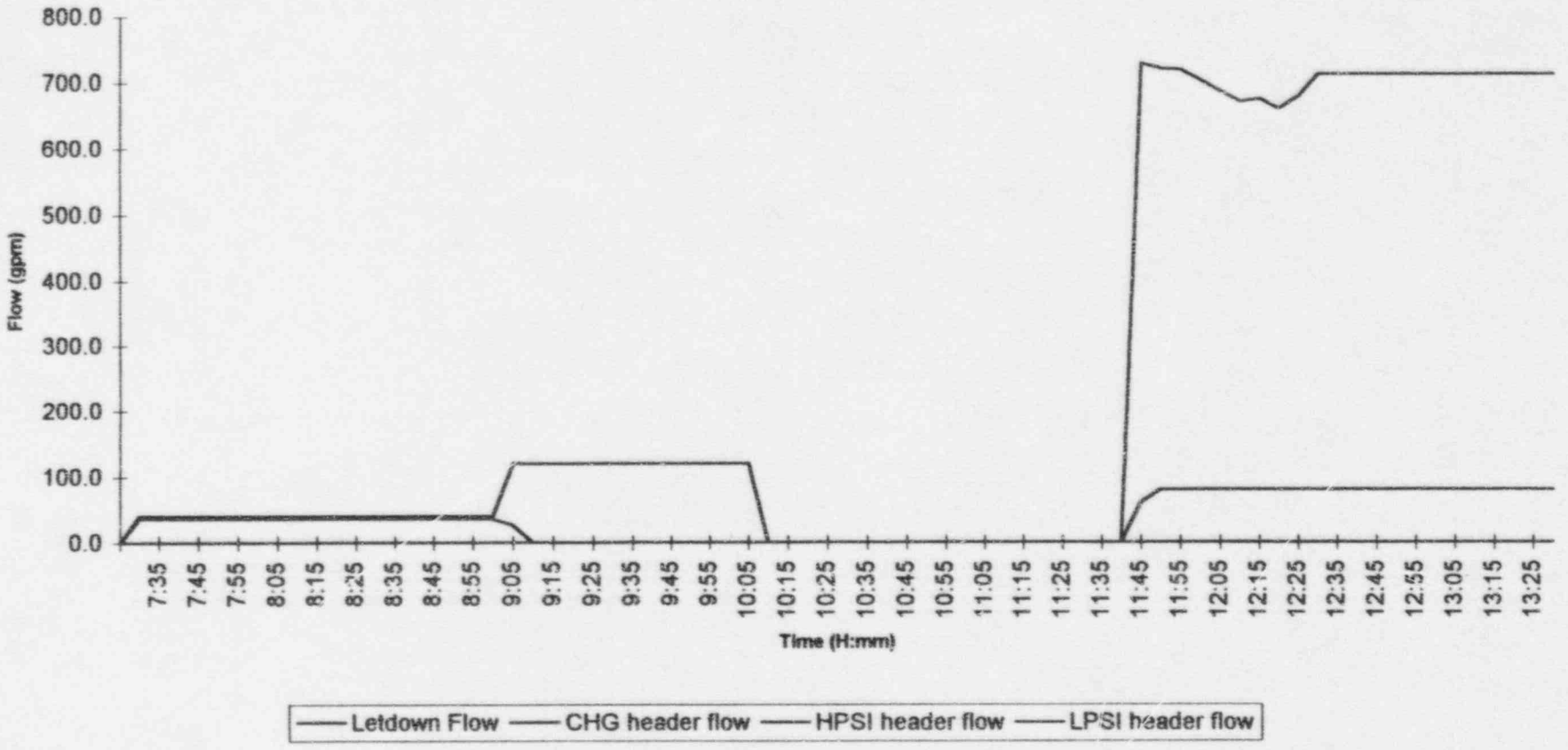
OPERATIONAL PLANT DATA SUMMARY TABLE

Time	RAS	STLS	CSAS	OPLS	Stack flow	Reactor	Turbine	Generator	Offsite pwr 345	Offsite pwr 161	DC bus 1	DC bus 2
					cfm						volts	volts
10:40	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	128
10:45	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	128
10:50	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
10:55	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
11:00	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
11:05	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
11:10	STBY	STBY	STBY	NT AC	668	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
11:15	STBY	STBY	STBY	NT AC	847	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
11:20	STBY	STBY	STBY	NT AC	983	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
11:25	STBY	STBY	STBY	NT AC	1090	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
11:30	STBY	STBY	STBY	NT AC	1140	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
11:35	STBY	STBY	STBY	NT AC	1140	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
11:40	STBY	STBY	STBY	NT AC	1140	TRIP	TRIP	TRIP	AVAIL	AVAIL	128	127
11:45	STBY	STBY	STBY	NT AC	326	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	126
11:50	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	126
11:55	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	126
12:00	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	126
12:05	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	126
12:10	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	126
12:15	STBY	STBY	STBY	NT AC	0	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	126
12:20	STBY	STBY	STBY	NT AC	149	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
12:25	STBY	STBY	STBY	NT AC	454	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
12:30	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
12:35	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
12:40	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
12:45	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
12:50	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
12:55	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
13:00	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
13:05	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
13:10	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
13:15	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
13:20	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
13:25	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125
13:30	STBY	STBY	STBY	NT AC	554	TRIP	TRIP	TRIP	AVAIL	AVAIL	129	125

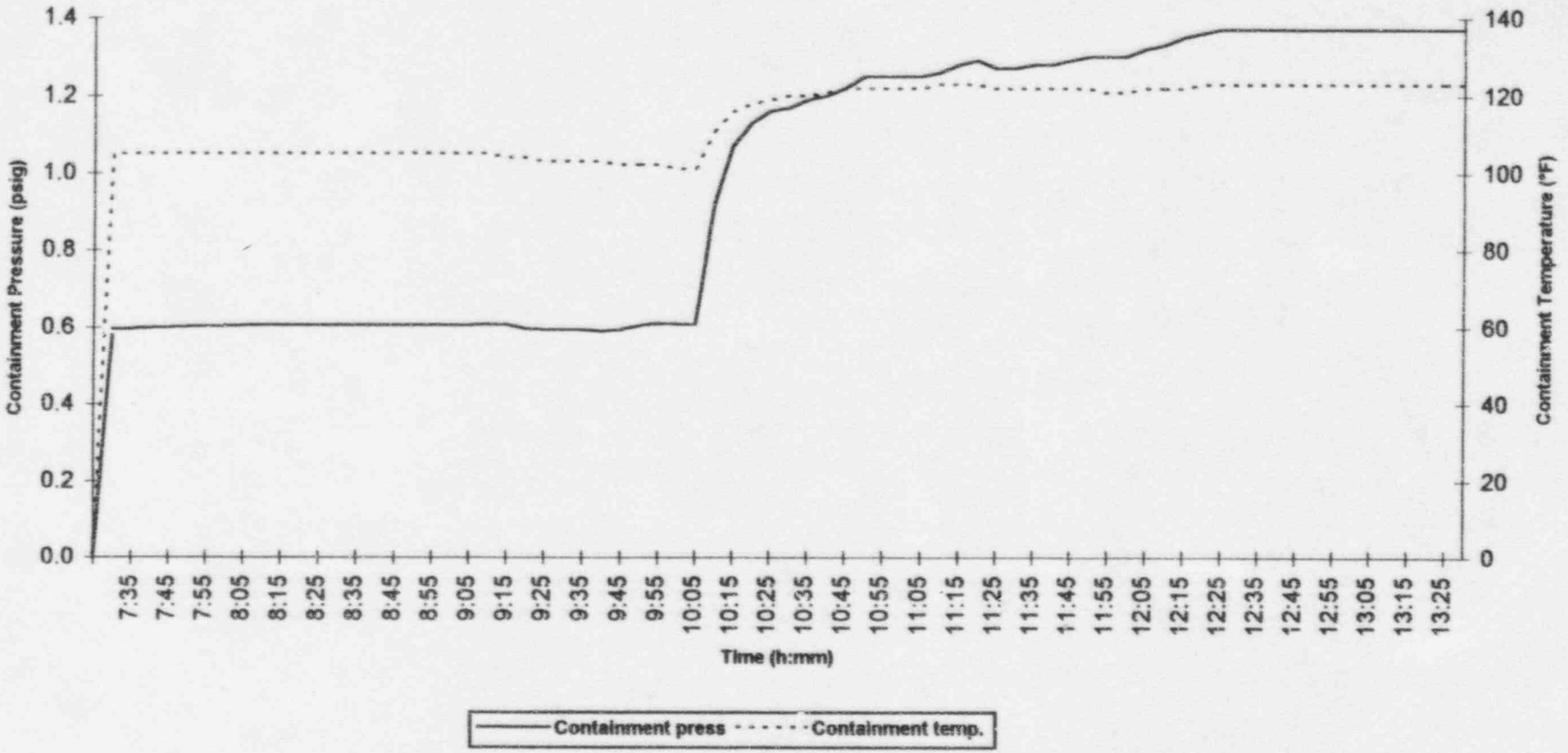
RCS TEMP. VS. TIME



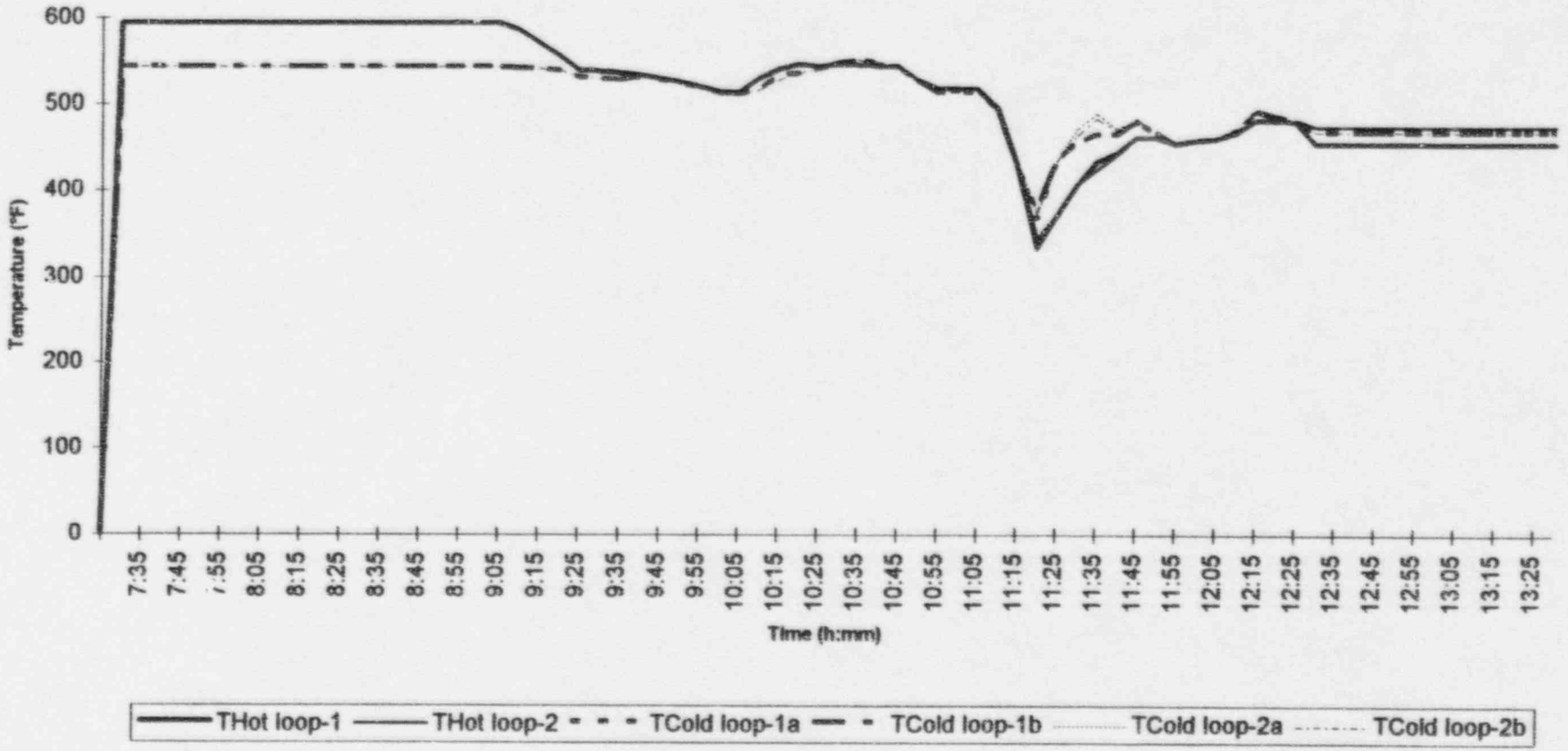
ECCS FLOWS VS. TIME



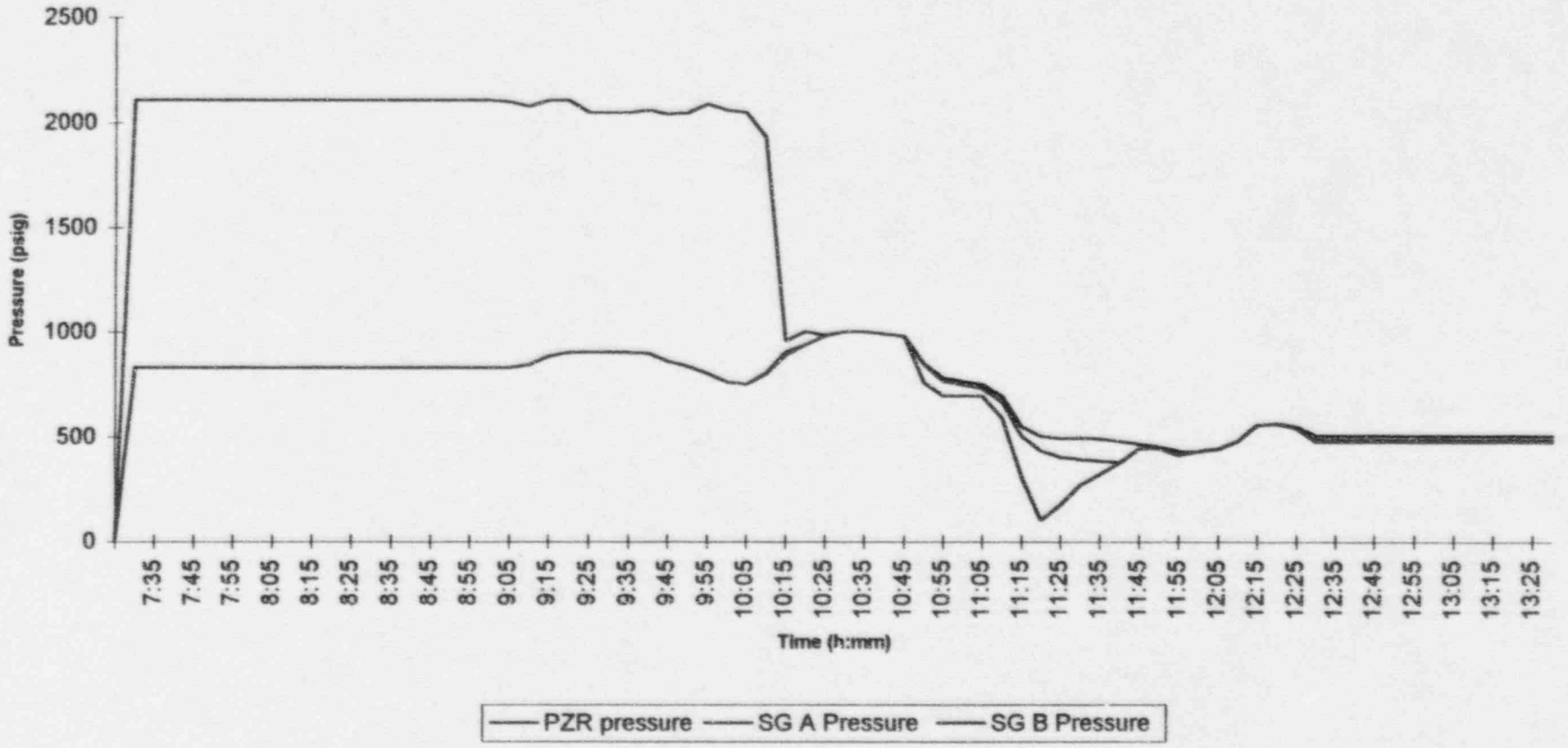
CONTAINMENT TEMPERATURE AND PRESSURE VS. TIME



LOOP TEMPERATURES VS. TIME



PLANT PRESSURES VERSUS TIME



RADIOLOGICAL DATA

TABLE of CONTENTS

RADIOLOGICAL DATA

RADIATION MONITORING DATA SUMMARIES

Radiation monitoring data summaries are provided under this heading.

These summaries are for use by controllers as a reference only. Participants have access to all this data through the Emergency Response Facility Computer System (ERFCS) on screens 360 and 361. Examples of these screens are included in this scenario.

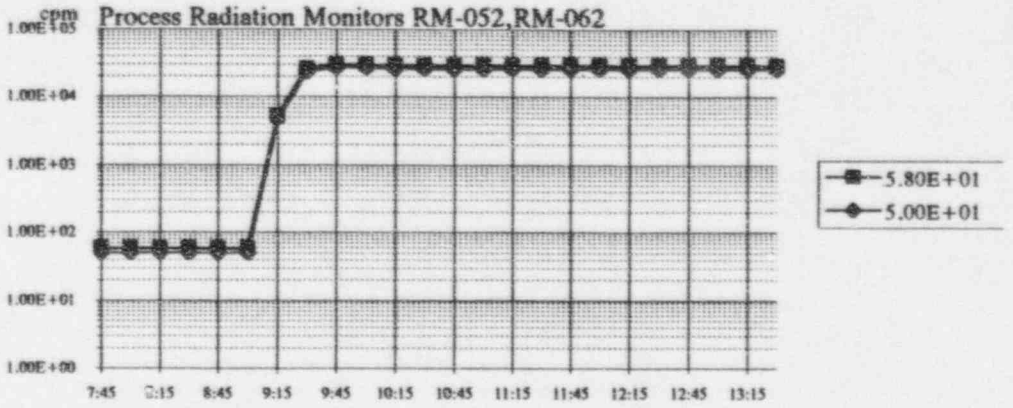
The summaries are divided into process radiation monitors and area radiation monitors.

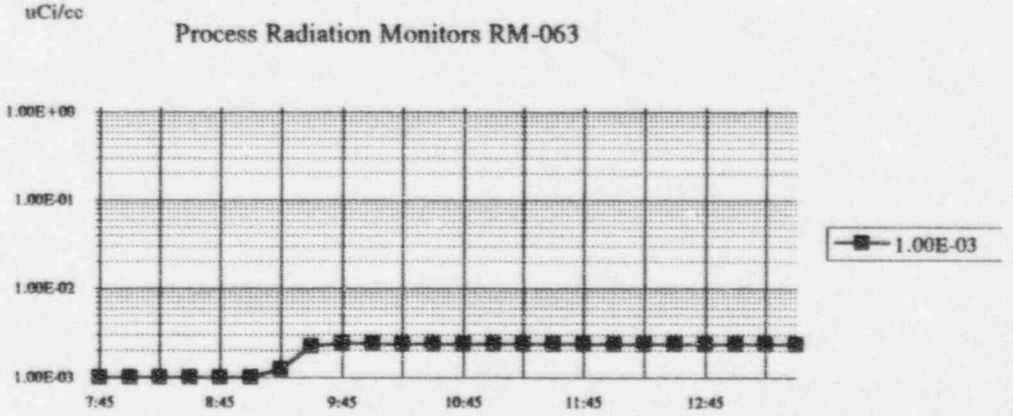
The summaries include data for background levels, ALERT and HIGH alarm set points, and the set points at which the ERFCS considers level as being INVALID LO or INVALID HI. These various set points are depicted in the summaries utilizing the following scheme:

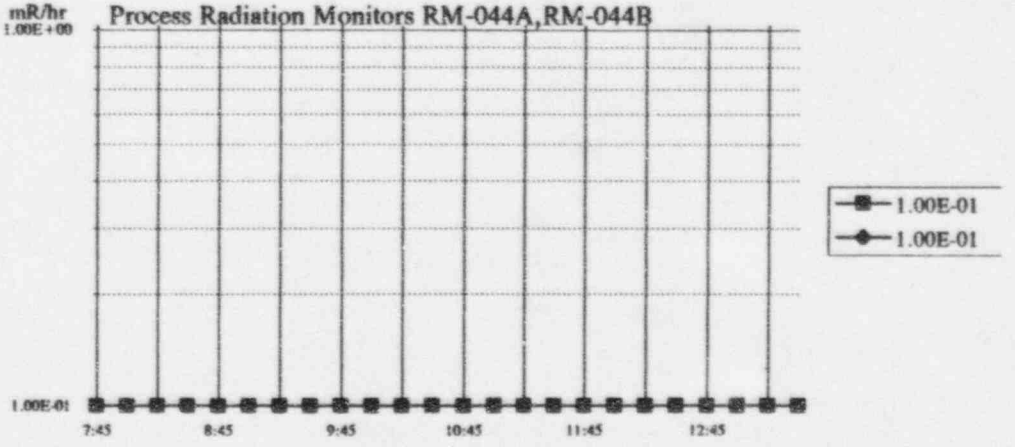
INVALID LO	indicated with " ?"	i.e. 0.00E+00 ?
ALERT	indicated with "* "	i.e. 0.00E+00 *
HIGH	indicated with "** ":	i.e. 0.00E+00 **
INVALID HI	indicated with "**?":	i.e. 0.00E+00 **?

RADIATION MONITORING DATA SUMMARIES
PROCESS RADIATION MONITORS

Time	RM-052 cpm	RM-062 cpm	RM-063 uCi/cc	RM-044A mR/hr	RM-044B mR/hr
Bkgnd	5.80E+01	5.00E+01	1.00E-03	1.00E+01	1.00E+01
Inv Lo	1.00E+01 ?	1.00E+01 ?	1.00E+01 ?	1.00E+01 ?	1.00E+01 ?
Alert	1.82E+04*	1.75E+04*	0.00E+00*	0.00E+00*	0.00E+00*
High	2.03E+04**	1.94E+04**	0.00E+00**	0.00E+00**	0.00E+00**
Inv Hi	1.00E+06**?	1.00E+06**?	1.00E+06**?	1.00E+06**?	1.00E+06**?
7:30	5.80E+01	5.00E+01	1.00E-03**	1.00E-01**	1.00E-01**
7:45	5.80E+01	5.00E+01	1.00E-03**	1.00E-01**	1.00E-01**
8:00	5.80E+01	5.00E+01	1.00E-03**	1.00E-01**	1.00E-01**
8:15	5.80E+01	5.00E+01	1.00E-03**	1.00E-01**	1.00E-01**
8:30	5.80E+01	5.00E+01	1.00E-03**	1.00E-01**	1.00E-01**
8:45	5.80E+01	5.00E+01	1.00E-03**	1.00E-01**	1.00E-01**
9:00	5.80E+01	5.00E+01	1.00E-03**	1.00E-01**	1.00E-01**
9:15	5.24E+03	4.72E+03	1.25E-03**	1.00E-01**	1.00E-01**
9:30	2.55E+04	2.29E+04	2.21E-03**	1.00E-01**	1.00E-01**
9:45	2.94E+04	2.64E+04	2.40E-03**	1.00E-01**	1.00E-01**
10:00	2.93E+04	2.64E+04	2.39E-03**	1.00E-01**	1.00E-01**
10:15	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
10:30	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
10:45	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
11:00	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
11:15	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
11:30	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
11:45	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
12:00	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
12:15	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
12:30	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
12:45	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
13:00	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
13:15	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**
13:30	2.85E+04	2.57E+04	2.36E-03**	1.00E-01**	1.00E-01**





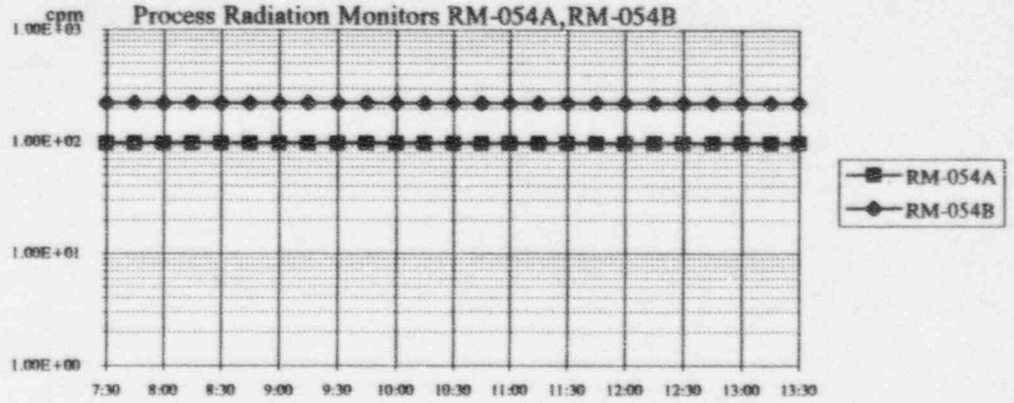


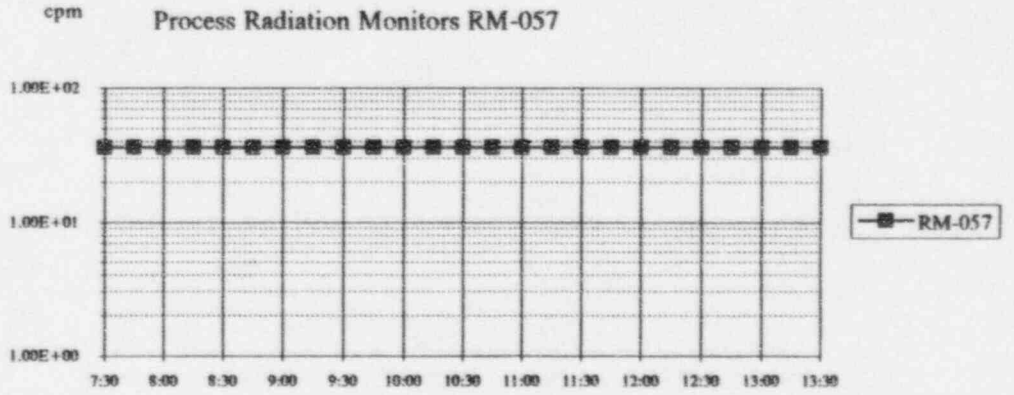
Monitor Descriptions:

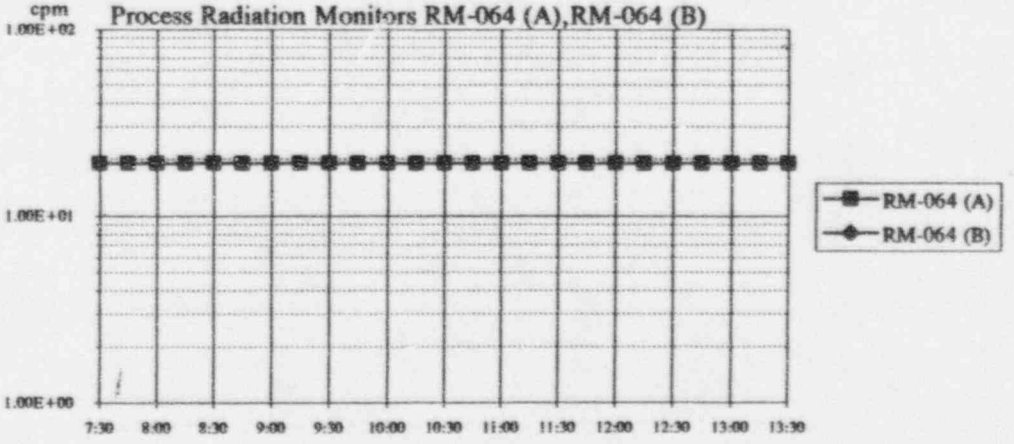
RM-052	Aux. Vent Stack	RM-044A	RWPB Exhaust Part.
RM-062	Aux. Vent Stack	RM-044B	RWPB Exhaust Part.
RM-063	Vent Stack NG		

RADIATION MONITORING DATA SUMMARIES
PROCESS RADIATION MONITORS

Time	RM-054A cpm	RM-054B cpm	RM-057 cpm	RM-064 (A) cpm	RM-064 (B) cpm
Bkgnd	9.60E+01	2.20E+02	3.60E+01	1.90E+01	1.90E+01
Inv Lo	1.00E+01 ?	1.00E+01 ?	1.00E+01 ?	1.00E+01 ?	1.00E+01 ?
Alert	9.00E+02*	9.00E+02*	3.60E+02*	0.00E+00*	0.00E+00*
High	1.05E+04**	1.05E+04**	3.28E+03**	0.00E+00**	0.00E+00**
Inv Hi	1.00E+06**?	1.00E+06**?	1.00E+06**?	1.90E+06**?	1.00E+06**?
7:30	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
7:45	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
8:00	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
8:15	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
8:30	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
8:45	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
9:00	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
9:15	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
9:30	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
9:45	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
10:00	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
10:15	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
10:30	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
10:45	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
11:00	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
11:15	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
11:30	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
11:45	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
12:00	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
12:15	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
12:30	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
12:45	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
13:00	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
13:15	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**
13:30	9.60E+01	2.20E+02	3.60E+01	1.90E+01**	1.90E+01**





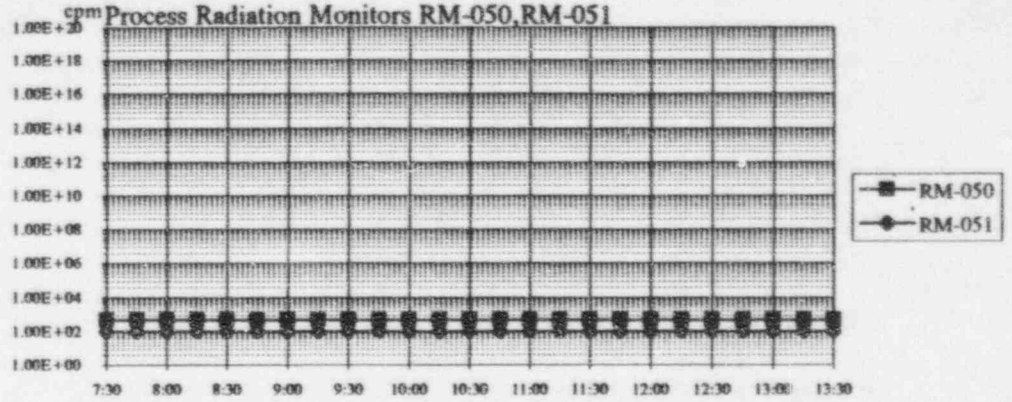


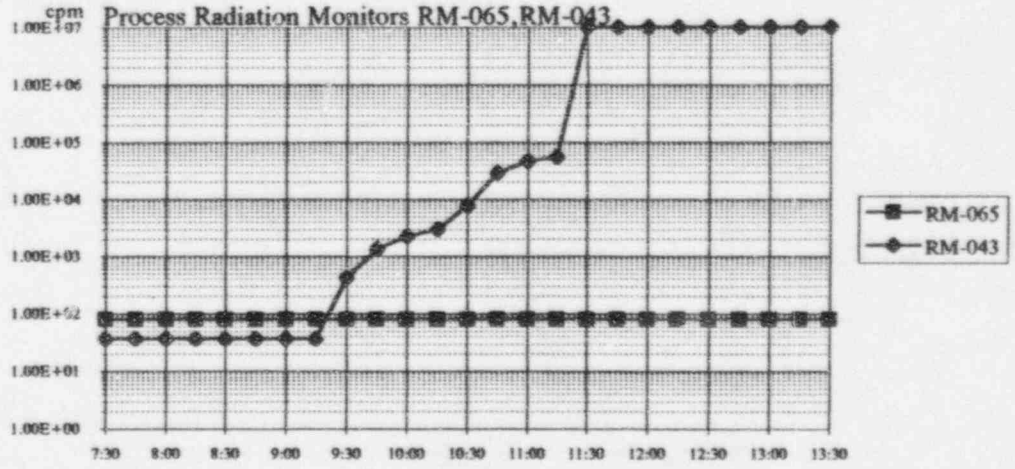
Monitor Descriptions:

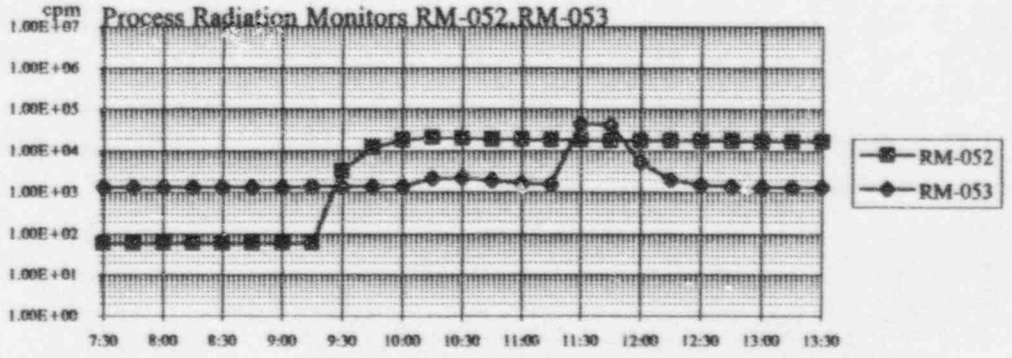
RM-054A	S/G Blowdown	RM-064 (A)	Main Steam Line 2A
RM-054B	S/G Blowdown	RM-064 (B)	Main Steam Line 2B
RM-057	Condenser Off Gas		

RADIATION MONITORING DATA SUMMARIES
PROCESS RADIATION MONITORS

Time	RM-050 cpm	RM-051 cpm	RM-052 cpm	RM-053 cpm	RM-065 cpm	RM-043 cpm
Bkgnd	5.00E+02	9.50E+01	5.80E+01	1.30E+03	8.00E+01	3.60E+01
Inv Lo	1.00E+01 ?	1.00E+01 ?	1.00E+01 ?	1.00E+01 ?	1.00E+01 ?	1.00E+01 ?
Alert	2.22E+04*	8.92E+04*	8.40E+04*	6.00E+03*	3.50E+05*	5.52E+03*
High	4.44E+04**	1.34E+05**	1.27E+05**	2.94E+04**	7.00E+05**	6.90E+03**
Inv Hi	1.00E+07**?	1.00E+06**?	1.00E+06**?	1.00E+06**?	1.00E+06**?	1.00E+06**?
7:30	5.00E+02	9.50E+01	5.80E+01	1.30E+03	8.00E+01	3.60E+01
7:45	5.00E+02	9.50E+01	5.80E+01	1.30E+03	8.00E+01	3.60E+01
8:00	5.00E+02	9.50E+01	5.80E+01	1.30E+03	8.00E+01	3.60E+01
8:15	5.00E+02	9.50E+01	5.80E+01	1.30E+03	8.00E+01	3.60E+01
8:30	5.00E+02	9.50E+01	5.80E+01	1.30E+03	8.00E+01	3.60E+01
8:45	5.00E+02	9.50E+01	5.80E+01	1.30E+03	8.00E+01	3.60E+01
9:00	5.00E+02	9.50E+01	5.80E+01	1.30E+03	8.00E+01	3.60E+01
9:15	5.00E+02	9.50E+01	5.80E+01	1.34E+03	8.00E+01	3.60E+01
9:30	5.00E+02	9.50E+01	3.19E+03	1.35E+03	8.00E+01	4.18E+02
9:45	5.00E+02	9.50E+01	1.13E+04	1.35E+03	8.00E+01	1.34E+03
10:00	5.00E+02	9.50E+01	1.78E+04	1.35E+03	8.00E+01	2.23E+03
10:15	5.00E+02	9.50E+01	2.06E+04	2.11E+03	8.00E+01	2.98E+03
10:30	5.00E+02	9.50E+01	1.94E+04	2.15E+03	8.00E+01	7.67E+03**
10:45	5.00E+02	9.50E+01	1.86E+04	1.86E+03	8.00E+01	2.92E+04**
11:00	5.00E+02	9.50E+01	1.81E+04	1.64E+03	8.00E+01	4.65E+04**
11:15	5.00E+02	9.50E+01	1.77E+04	1.49E+03	8.00E+01	5.57E+04**
11:30	5.00E+02	9.50E+01	1.75E+04	4.43E+04**	8.00E+01	1.00E+06**?
11:45	5.00E+02	9.50E+01	1.73E+04	4.04E+04**	8.00E+01	1.00E+06**?
12:00	5.00E+02	9.50E+01	1.72E+04	5.16E+03	8.00E+01	1.00E+06**?
12:15	5.00E+02	9.50E+01	1.70E+04	1.95E+03	8.00E+01	1.00E+06**?
12:30	5.00E+02	9.50E+01	1.69E+04	1.43E+03	8.00E+01	1.00E+06**?
12:45	5.00E+02	9.50E+01	1.68E+04	1.34E+03	8.00E+01	1.00E+06**?
13:00	5.00E+02	9.50E+01	1.67E+04	1.31E+03	8.00E+01	1.00E+06**?
13:15	5.00E+02	9.50E+01	1.66E+04	1.31E+03	8.00E+01	1.00E+06**?
13:30	5.00E+02	9.50E+01	1.65E+04	1.31E+03	8.00E+01	1.00E+06**?





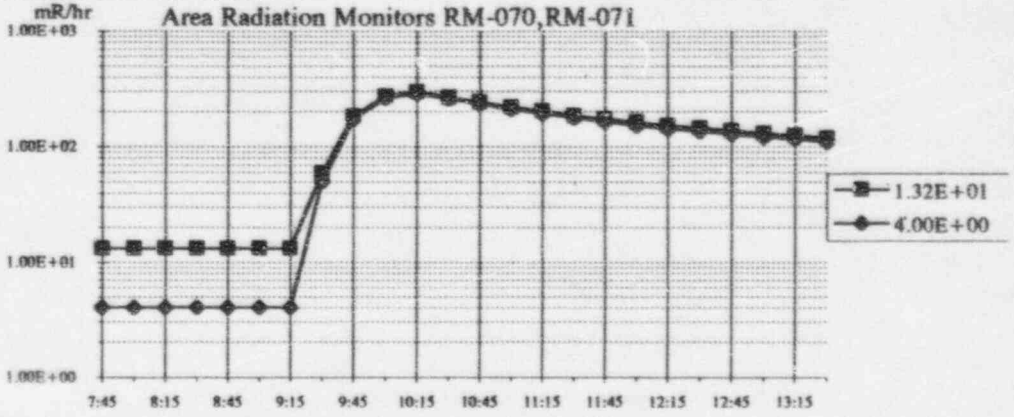


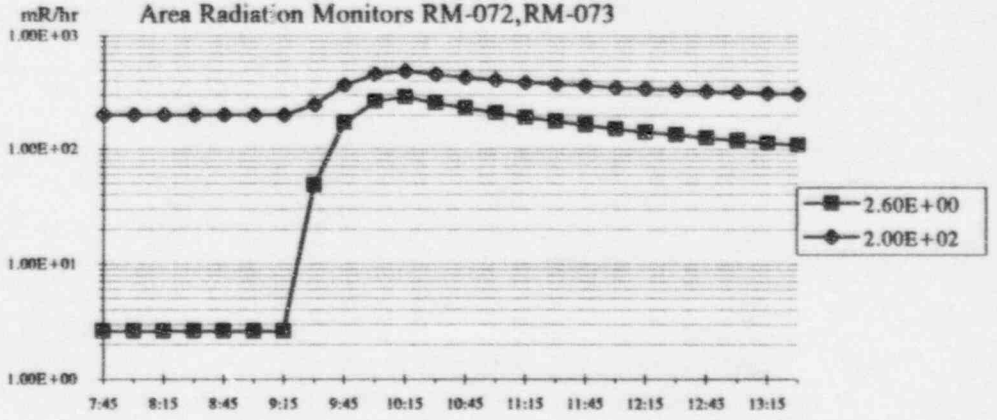
Monitor Descriptions:

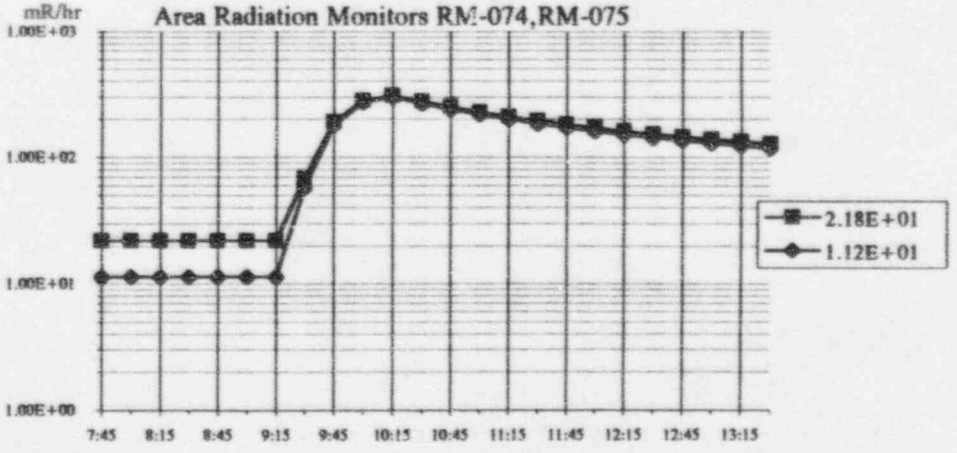
RM-050	TSC (PING) I	RM-053	Cont. N. Main Floor
RM-051	TSC (PING) NG	RM-065	Cont. E. MainFloor
RM-052	Cont. S. Basement	RM-043	Cont. Transfer Canal

RADIATION MONITORING DATA SUMMARIES
AREA RADIATION MONITORS

Time	RM-070 mR/hr	RM-071 mR/hr	RM-072 mR/hr	RM-073 mR/hr	RM-074 mR/hr	RM-075 mR/hr
Bkgnd	1.32E+01	4.00E+00	2.60E+00	2.00E+02	2.18E+01	1.12E+01
Inv Lo	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?
Alert	4.00E+01*	1.50E+01*	1.00E+01*	6.00E+02*	7.00E+01*	3.50E+01*
High	7.00E+01**	3.00E+01**	3.00E+01**	1.00E+03**	1.10E+02**	6.00E+01**
Inv Hi	1.00E+07**?	1.00E+07**?	1.00E+07**?	1.00E+07**?	1.00E+07**?	1.00E+07**?
7:30	1.32E+01	4.00E+00	2.60E+00	2.00E+02	2.18E+01	1.12E+01
7:45	1.32E+01	4.00E+00	2.60E+00	2.00E+02	2.18E+01	1.12E+01
8:00	1.32E+01**	4.00E+00**	2.60E+00**	2.00E+02	2.18E+01**	1.12E+01**
8:15	1.32E+01**	4.00E+00**	2.60E+00**	2.00E+02	2.18E+01**	1.12E+01**
8:30	1.32E+01**	4.00E+00**	2.60E+00**	2.00E+02	2.18E+01**	1.12E+01**
8:45	1.32E+01**	4.00E+00**	2.60E+00**	2.00E+02	2.18E+01**	1.12E+01**
9:00	1.32E+01**	4.00E+00**	2.60E+00**	2.00E+02	2.18E+01**	1.12E+01**
9:15	1.32E+01**	4.00E+00**	2.60E+00**	2.00E+02	2.18E+01**	1.12E+01**
9:30	5.86E+01**	4.94E+01**	4.80E+01**	2.45E+02	6.72E+01**	5.66E+01**
9:45	1.81E+02**	1.72E+02**	1.70E+02**	3.68E+02	1.89E+02**	1.79E+02**
10:00	2.70E+02**	2.61E+02**	2.60E+02**	4.57E+02	2.79E+02**	2.68E+02**
10:15	2.96E+02**	2.86E+02**	2.85E+02**	4.82E+02	3.04E+02**	2.94E+02**
10:30	2.65E+02**	2.56E+02**	2.55E+02**	4.52E+02	2.74E+02*	2.63E+02**
10:45	2.40E+02**	2.30E+02**	2.29E+02**	4.26E+02	2.48E+02*	2.38E+02**
11:00	2.18E+02**	2.09E+02**	2.07E+02**	4.05E+02	2.27E+02*	2.16E+02**
11:15	2.00E+02**	1.91E+02**	1.89E+02**	3.87E+02	2.08E+02*	1.98E+02**
11:30	1.85E+02**	1.76E+02**	1.74E+02**	3.72E+02	1.93E+02*	1.83E+02**
11:45	1.72E+02**	1.63E+02**	1.62E+02**	3.59E+02	1.81E+02*	1.70E+02**
12:00	1.61E+02**	1.52E+02**	1.51E+02**	3.48E+02	1.70E+02*	1.59E+02**
12:15	1.52E+02*	1.43E+02**	1.41E+02**	3.39E+02	1.60E+02*	1.50E+02**
12:30	1.44E+02*	1.34E+02**	1.33E+02**	3.30E+02	1.52E+02*	1.42E+02**
12:45	1.36E+02*	1.27E+02**	1.26E+02**	3.23E+02	1.45E+02*	1.34E+02**
13:00	1.30E+02*	1.21E+02**	1.19E+02**	3.17E+02	1.38E+02	1.28E+02*
13:15	1.24E+02*	1.15E+02**	1.13E+02**	3.11E+02	1.32E+02	1.22E+02*
13:30	1.19E+02*	1.09E+02**	1.08E+02**	3.05E+02	1.27E+02	1.17E+02*





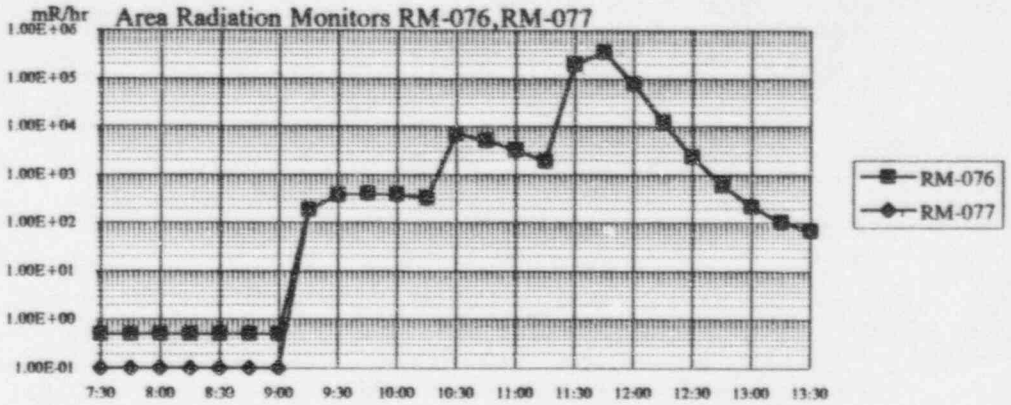


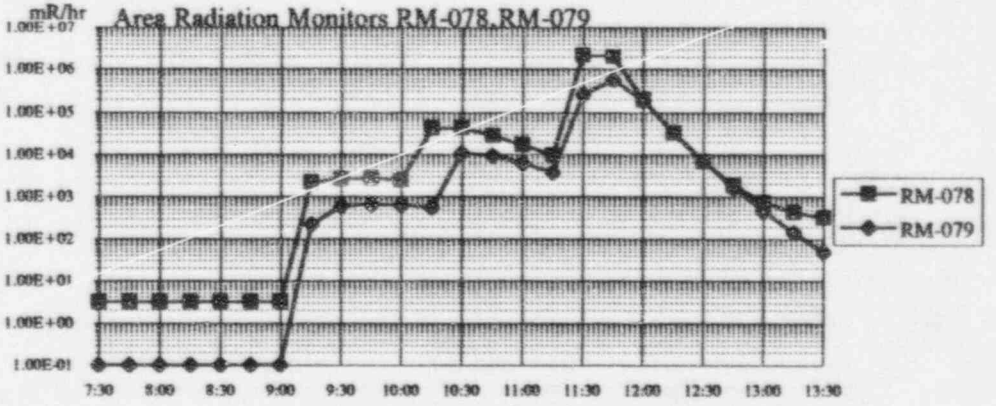
Monitor Descriptions:

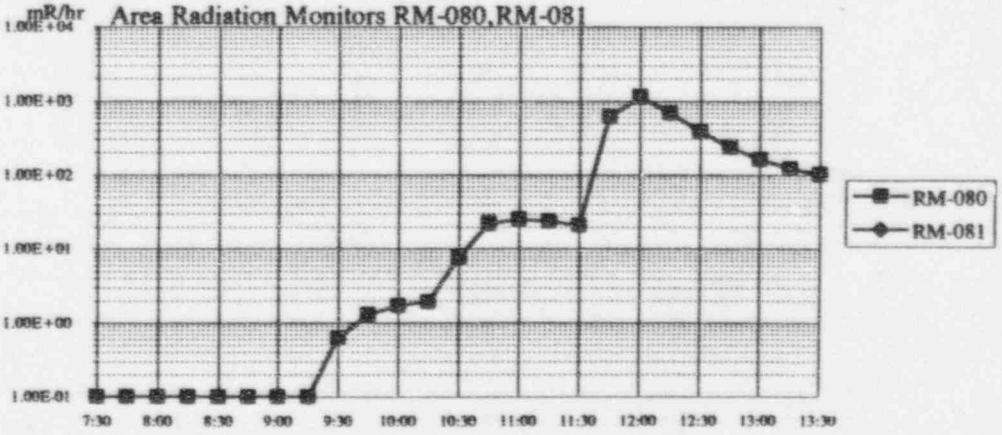
RM-070	Cont. S. Basement	RM-073	Cont. Transfer Canal
RM-071	Cont. N. Main Floor	RM-074	Cont. N. Oper. Level
RM-072	Cont. E. MainFloor	RM-075	Cont. E. Oper. Level

RADIATION MONITORING DATA SUMMARIES
AREA RADIATION MONITORS

Time	RM-076 mR/hr	RM-077 mR/hr	RM-078 mR/hr	RM-079 mR/hr	RM-080 mR/hr	RM-081 mR/hr
Bkgnd	5.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01
Inv Lo	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?
Alert	1.00E+01*	1.00E+01*	1.00E+01*	1.00E+01*	1.00E+01*	1.00E+01*
High	3.00E+01**	3.00E+01**	3.00E+01**	3.00E+01**	3.00E+01**	3.00E+01**
Inv Hi	1.00E+07**?	1.00E+07**?	1.00E+07**?	1.00E+07**?	1.00E+07**?	1.00E+07**?
7:30	5.00E-01	1.00E-01 ?	3.01E+00	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?
7:45	5.00E-01	1.00E-01	3.01E+00**	1.00E-01	1.00E-01	1.00E-01
8:00	5.00E-01	1.00E-01	3.01E+00**	1.00E-01	1.00E-01	1.00E-01
8:15	5.00E-01	1.00E-01	3.01E+00**	1.00E-01	1.00E-01	1.00E-01
8:30	5.00E-01	1.00E-01	3.01E+00**	1.00E-01	1.00E-01	1.00E-01
8:45	5.00E-01	1.00E-01	3.01E+00**	1.00E-01	1.00E-01	1.00E-01
9:00	5.00E-01*	1.00E-01*	3.01E+00**	1.00E-01*	1.00E-01*	1.00E-01*
9:15	1.82E+02*	1.81E+02*	2.17E+03**?	2.22E+02*	1.00E-01*	1.00E-01*
9:30	3.71E+02*	3.71E+02*	2.63E+03**?	5.82E+02*	6.15E-01*	6.15E-01*
9:45	3.93E+02*	3.93E+02*	2.65E+03**?	6.57E+02*	1.30E+00*	1.30E+00*
10:00	3.75E+02**	3.75E+02**	2.44E+03**?	6.43E+02**	1.72E+00**	1.72E+00**
10:15	3.13E+02**	3.13E+02**	4.05E+04**?	5.49E+02**	1.94E+00**	1.94E+00**
10:30	6.91E+03**	6.91E+03**	4.27E+04**?	1.07E+04**	7.69E+00**	7.69E+00**
10:45	5.13E+03**	5.13E+03**	2.79E+04**?	9.16E+03**	2.20E+01**	2.20E+01**
11:00	3.20E+03**	3.20E+03**	1.68E+04**?	6.09E+03**	2.49E+01**	2.49E+01**
11:15	1.88E+03**	1.88E+03**	9.71E+03**?	3.72E+03**	2.35E+01**	2.35E+01**
11:30	1.93E+05**	1.93E+05**	2.15E+06**?	2.56E+05**	2.10E+01**	2.10E+01**
11:45	3.55E+05**	3.55E+05**	1.95E+06**?	5.57E+05**	6.07E+02**	6.07E+02**
12:00	7.82E+04**	7.82E+04**	1.93E+05**?	1.85E+05**	1.14E+03**	1.14E+03**
12:15	1.19E+04**	1.19E+04**	3.23E+04**?	3.39E+04**	6.82E+02**	6.82E+02**
12:30	2.37E+03**	2.37E+03**	6.69E+03**?	6.88E+03**	3.81E+02**	3.81E+02**
12:45	6.09E+02**	6.08E+02**	1.82E+03**?	1.65E+03**	2.33E+02**	2.33E+02**
13:00	2.12E+02**	2.12E+02**	7.22E+02**?	4.58E+02**	1.59E+02**	1.59E+02**
13:15	1.03E+02**	1.03E+02**	4.22E+02**?	1.43E+02**	1.22E+02**	1.22E+02**
13:30	6.66E+01**	6.62E+01**	3.22E+02**?	4.83E+01**	1.01E+02**	1.01E+02**





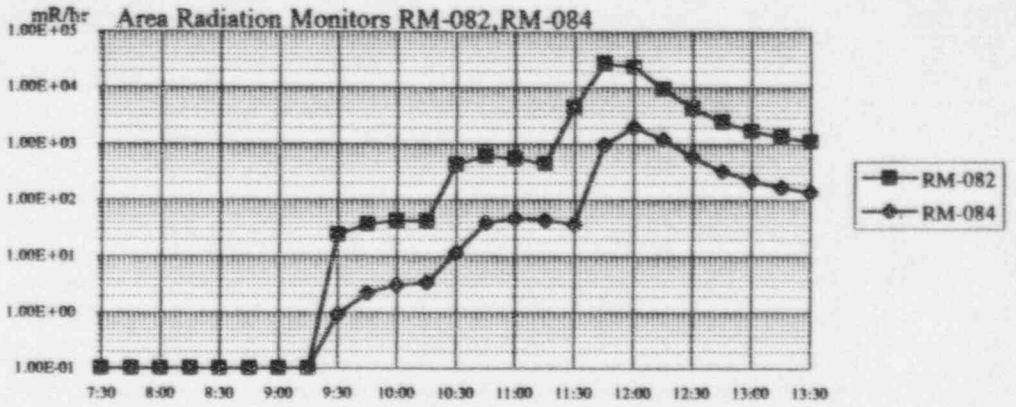


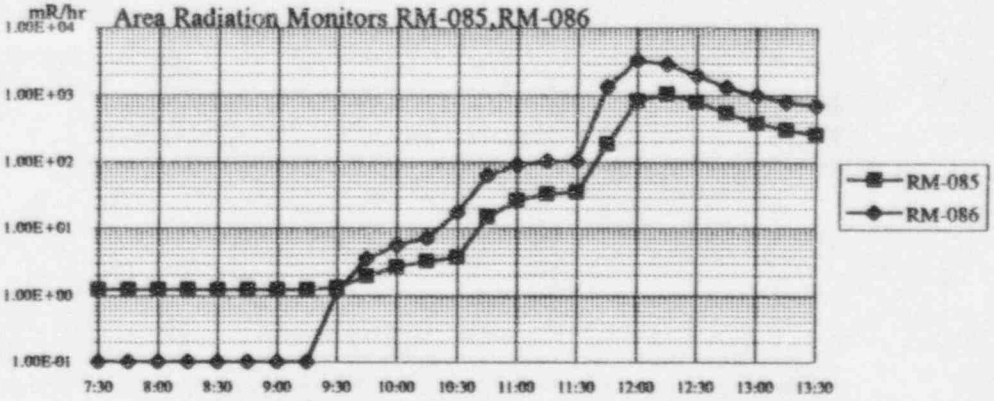
Monitor Descriptions:

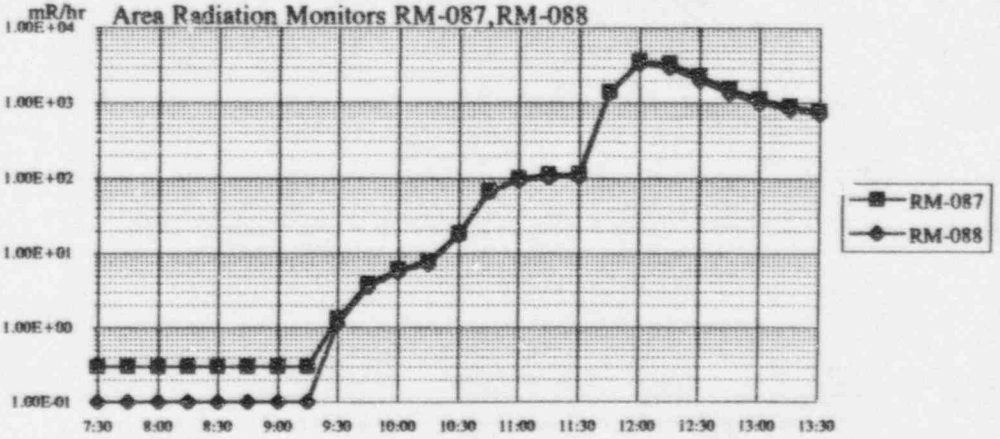
RM-076	Aux. Corr 4	RM-079	Aux. Corr 4
RM-077	Aux. Corr 4	RM-080	Aux. Corr
RM-078	Aux. Corr 4	RM-081	Resin Room

RADIATION MONITORING DATA SUMMARIES
AREA RADIATION MONITORS

Time	RM-082 mR/hr	RM-084 mR/hr	RM-085 mR/hr	RM-086 mR/hr	RM-087 mR/hr	RM-088 mR/hr
Bkgnd	1.00E-01	1.00E-01	1.20E+00	1.00E-01	3.00E-01	1.00E-01
Inv Lo	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?
Alert	1.00E+01*	1.00E+01*	7.00E+01*	1.00E+01*	2.00E+01*	1.00E+01*
High	3.00E+01**	3.00E+01**	1.00E+02**	3.00E+01**	5.00E+01**	3.00E+01**
Inv Hi	1.00E+07**?	1.00E+07**?	1.00E+07**?	1.00E+07**?	1.00E+07**?	1.00E+07**?
7:30	1.00E-01 ?	1.00E-01 ?	1.20E+00	1.00E-01 ?	3.00E-01	1.00E-01 ?
7:45	1.00E-01	1.00E-01	1.20E+00	1.00E-01	3.00E-01	1.00E-01
8:00	1.00E-01	1.00E-01	1.20E+00	1.00E-01	3.00E-01	1.00E-01
8:15	1.00E-01	1.00E-01	1.20E+00	1.00E-01	3.00E-01	1.00E-01
8:30	1.00E-01	1.00E-01	1.20E+00	1.00E-01	3.00E-01	1.00E-01
8:45	1.00E-01	1.00E-01	1.20E+00	1.00E-01	3.00E-01	1.00E-01
9:00	1.00E-01*	1.00E-01*	1.20E+00	1.00E-01*	3.00E-01	1.00E-01*
9:15	1.00E-01*	1.00E-01*	1.20E+00	1.00E-01*	3.00E-01	1.00E-01*
9:30	2.42E+01*	9.05E-01*	1.28E+00	1.12E+00*	1.33E+00*	1.12E+00*
9:45	3.64E+01*	2.24E+00*	1.91E+00	3.47E+00*	3.88E+00*	3.47E+00*
10:00	4.18E+01**	3.03E+00**	2.61E+00	5.51E+00**	6.18E+00*	5.51E+00**
10:15	4.20E+01**	3.42E+00**	3.19E+00	7.04E+00**	7.91E+00*	7.04E+00**
10:30	4.31E+02**	1.15E+01**	3.60E+00	1.73E+01**	1.81E+01*	1.73E+01**
10:45	6.05E+02**	3.90E+01**	1.45E+01	6.26E+01**	6.66E+01*	6.26E+01**
11:00	5.38E+02**	4.61E+01**	2.66E+01	9.09E+01**	9.95E+01*	9.09E+01**
11:15	4.36E+02**	4.28E+01**	3.30E+01	1.02E+02**	1.13E+02**	1.02E+02**
11:30	4.35E+03**	3.70E+01**	3.53E+01	1.04E+02**	1.15E+02**	1.04E+02**
11:45	2.65E+04**	9.74E+02**	1.85E+02	1.35E+03**	1.40E+03**	1.35E+03**
12:00	2.32E+04**	2.00E+03**	8.22E+02	3.34E+03**	3.66E+03**	3.34E+03**
12:15	9.14E+03**	1.20E+03**	1.07E+03	2.90E+03**	3.38E+03**	2.90E+03**
12:30	4.24E+03**	5.78E+02**	7.98E+02	1.94E+03**	2.31E+03**	1.94E+03**
12:45	2.45E+03**	3.20E+02**	5.42E+02	1.32E+03**	1.55E+03**	1.32E+03**
13:00	1.70E+03**	2.14E+02**	3.86E+02	9.78E+02**	1.13E+03**	9.78E+02**
13:15	1.34E+03**	1.65E+02**	3.01E+02	7.96E+02**	9.01E+02**	7.96E+02**
13:30	1.12E+03**	1.38E+02**	2.54E+02	6.92E+02**	7.74E+02**	6.92E+02**







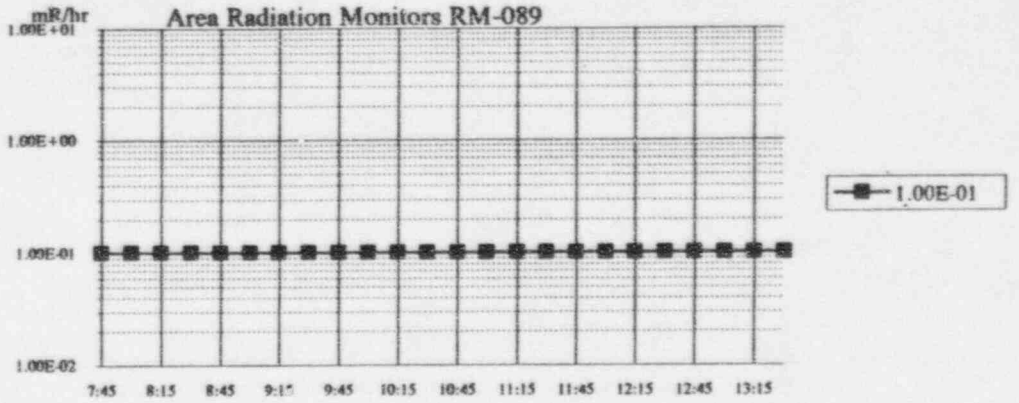
Monitor Descriptions:

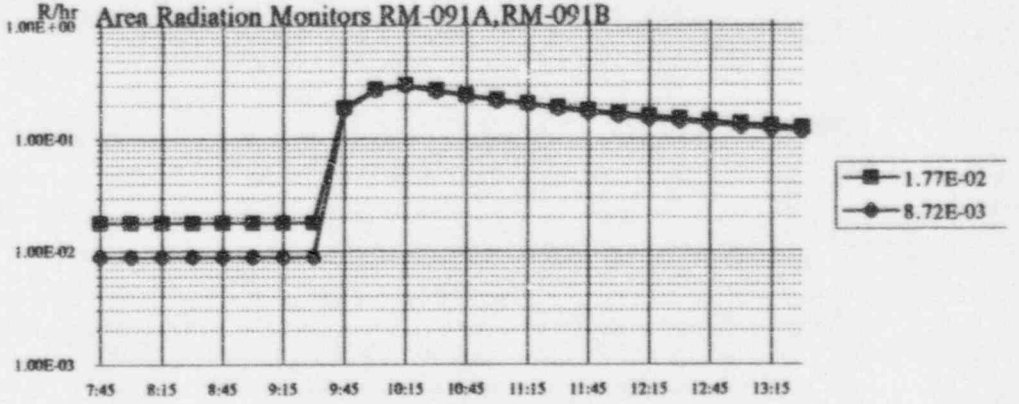
RM-082	B.A.S.T.	RM-086	Aux. Outside Room 30
RM-084	RP Station	RM-087	Aux. SFP Wall
RM-085	Cask Decon Rm.	RM-088	Aux. Room 69

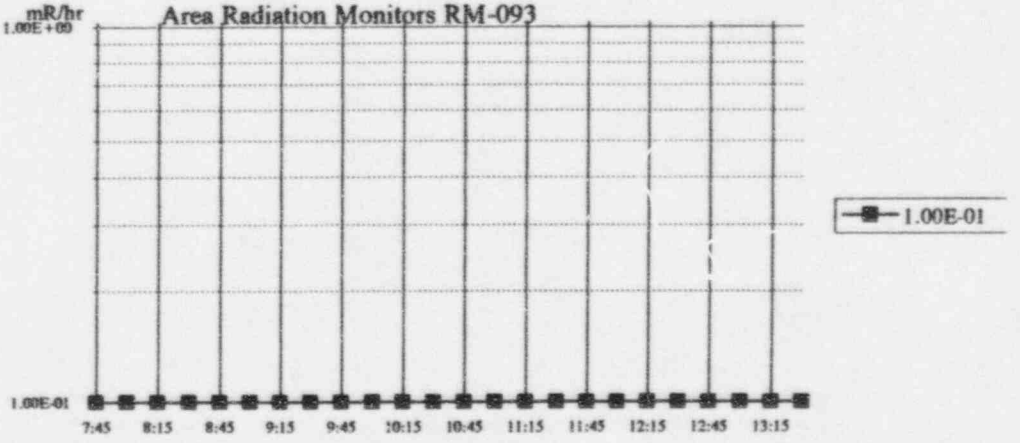
RADIATION MONITORING DATA SUMMARIES

AREA RADIATION MONITORS

Time	RM-089 mR/hr	RM-091A R/hr	RM-091B R/hr	RM-093 mR/hr
Bkgnd	1.00E-01	1.77E-02	8.72E-03	1.00E-01
Inv Lo	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?	1.00E-01 ?
Alert	1.00E+01*	2.50E+03*	2.50E+03*	0.00E+00*
High	3.00E+01**	1.00E+04**	1.00E+04**	1.50E+01**
Inv Hi	1.00E+07**?	1.00E+07**?	1.00E+07**?	1.00E+07**?
7:30	1.00E-01 ?	1.77E-02 ?	8.72E-03 ?	1.00E-01*
7:45	1.00E-01 ?	1.77E-02 ?	8.72E-03 ?	1.00E-01*
8:00	1.00E-01 ?	1.77E-02	8.72E-03	1.00E-01*
8:15	1.00E-01 ?	1.77E-02	8.72E-03	1.00E-01*
8:30	1.00E-01 ?	1.77E-02	8.72E-03	1.00E-01*
8:45	1.00E-01 ?	1.77E-02	8.72E-03	1.00E-01*
9:00	1.00E-01 ?	1.77E-02	8.72E-03	1.00E-01*
9:15	1.00E-01 ?	1.77E-02	8.72E-03	1.00E-01*
9:30	1.00E-01 ?	1.77E-02	8.72E-03	1.00E-01*
9:45	1.00E-01 ?	1.85E-01	1.76E-01	1.00E-01*
10:00	1.00E-01 ?	2.75E-01	2.66E-01	1.00E-01*
10:15	1.00E-01 ?	3.00E-01	2.91E-01 ?	1.00E-01*
10:30	1.00E-01 ?	2.70E-01	2.61E-01 ?	1.00E-01*
10:45	1.00E-01 ?	2.44E-01 ?	2.35E-01 ?	1.00E-01*
11:00	1.00E-01 ?	2.22E-01 ?	2.13E-01 ?	1.00E-01*
11:15	1.00E-01 ?	2.04E-01 ?	1.95E-01 ?	1.00E-01*
11:30	1.00E-01 ?	1.89E-01 ?	1.80E-01 ?	1.00E-01*
11:45	1.00E-01 ?	1.77E-01 ?	1.68E-01 ?	1.00E-01*
12:00	1.00E-01 ?	1.66E-01 ?	1.57E-01 ?	1.00E-01*
12:15	1.00E-01 ?	1.56E-01 ?	1.47E-01 ?	1.00E-01*
12:30	1.00E-01 ?	1.48E-01 ?	1.39E-01 ?	1.00E-01*
12:45	1.00E-01 ?	1.41E-01 ?	1.32E-01 ?	1.00E-01*
13:00	1.00E-01 ?	1.34E-01 ?	1.25E-01 ?	1.00E-01*
13:15	1.00E-01 ?	1.28E-01 ?	1.19E-01 ?	1.00E-01*
13:30	1.00E-01 ?	1.23E-01 ?	1.14E-01 ?	1.00E-01*







Monitor Descriptions:

RM-089	Control Room	RM-093	TSC Room 10'
RM-091A	Cont. High Range		
RM-091B	Cont. High Range		

RADIOLOGICAL DATA

ERFCS DISPLAY - PROCESS MONITORS, PAGE 360

An example of the Emergency Response Facility Computer System (ERFCS) display, "Process Monitors," Page 360, is provided under this heading.

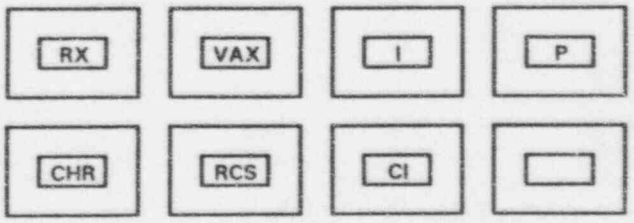
Displays reflect the summaries provided in the "PROCESS RADIATION MONITORS" section of this scenario. A complete set of displays is included in a participant message packet to be issued during the controller briefing. This data is intended to be issued to participants only if the simulator or the computer link between the simulator and the emergency response facilities fails.

NOTE: The examples provided in this scenario submittal are only examples to depict the layout and configuration of the screens. The actual volume of screens to be available for the exercise will be produced from the tables of data. The data reflected in the examples enclosed may not necessarily reflect actual exercise data.

MONITOR	VALUE (CPM)	MONITOR	VALUE (CPM)	MONITOR	VALUE (CPM)
RM043	3.600E+01	RM053	1.300E+03	RM062	5.000E+01
RM044A	1.000E-01	RM054A	9.600E+01	RM063	1.000E-03
RM044B	1.000E-01	RM054B	2.200E+02	RM064	1.900E+01
RM050	5.000E+02	RM055	1.600E+02	SAMPLING LN A OFF	SAMPLING LN B OFF
RM051	9.500E+01	RM057	3.600E+01		
* RM052	5.800E+01				

NOTE: * - VERIFY MONITOR IS SAMPLING FROM STACK OR CONTAINMENT.

PROCESS MONITORS



14 NOV 95

MODE SELECTION
1 AUTOMATIC

07 : 30 : 00

PAGE 360

SAFEGUARD SIGNALS

PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

RADIOLOGICAL DATA

ERFCS DISPLAY - AREA MONITORS, PAGE 361

An example of the Emergency Response Facility Computer System (ERFCS) display, "Area Monitors," Page 361, is provided under this heading.

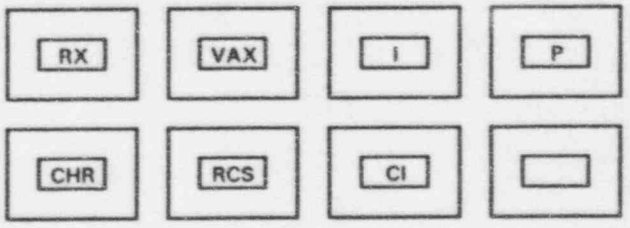
Displays reflect the summaries provided in the "AREA RADIATION MONITORS" section of this scenario. A complete set of displays is included in a participant message packet to be issued during the controller briefing. This data is intended to be issued to participants only if the simulator or the computer link between the simulator and the emergency response facilities fails.

NOTE: The examples provided in this scenario submittal are only examples to depict the layout and configuration of the screens. The actual volume of screens to be available for the exercise will be produced from the tables of data. The data reflected in the examples enclosed may not necessarily reflect actual exercise data.

MONITOR	VALUE (MR/HR)	MONITOR	VALUE (MR/HR)	MONITOR	VALUE (R/HR)
RM070	1.320E+01	RM082	1.000E-01	RM091A	1.766E-02
RM071	4.000E+00	RM084	1.000E-01	RM091B	8.722E-03
RM072	2.600E+00	RM085	1.200E+00		
RM073	2.000E+02	RM086	1.000E-01		
RM074	2.180E+01	RM087	3.000E-01		
RM075	1.120E+01	RM088	1.000E-01		
RM076	5.000E-01	RM089	1.000E-01		
RM077	1.000E-01	RM095	1.800E+00		
RM078	3.014E+00	RM096	1.000E-01		
RM079	1.000E-01	RM097	4.000E-01		
RM080	1.000E-01	RM098	2.000E-01		
RM081	1.000E-01				

AREA MONITORS

PAGE 361



14 NOV 95

MODE SELECTION 07 : 30 : 00
1 AUTOMATIC

SAFEGUARD SIGNALS

PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

RADIOCHEMICAL DATA

TABLE OF CONTENTS

ISOTOPIC DATA SUMMARIES

Isotopic summaries are provided under this heading.

Isotopic summaries are for controller reference only. Participants will be issued isotopic data through the use of Post Accident Sampling System (PASS) reports. An example of a PASS report is included in this scenario. Isotopics are included for the following systems:

Reactor Coolant System
Containment Building Sump
Containment Building Atmosphere
Auxiliary Building Atmosphere
Auxiliary Building Stack
Radwaste Building Stack

Isotopics take into account decays from the reactor trip.

Activities less than 1.00E-12 are indicated as less than the lower limit of detection (<LLD) in the isotopic summaries.

RADIOCHEMICAL DATA

Reactor Coolant System Isotopic (uCi/cc)

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045
Noble gases	Kr85m	6.86E-02	6.86E-02	6.86E-02	6.86E-02	6.86E-02	6.86E-02	6.86E-02	6.83E-02	6.70E-02	6.44E-02	5.96E-02	5.21E-02	4.05E-02	3.10E-02
	Kr85	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	2.36E-08	4.21E-08	5.01E-08	5.22E-08
	Kr87	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.13E-01	1.11E-01	1.06E-01	8.93E-02	7.08E-02	4.99E-02	3.47E-02
	Kr88	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.56E-01	1.53E-01	1.47E-01	1.33E-01	1.14E-01	8.66E-02	6.49E-02
	Kr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe131m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	8.90E-08	1.62E-07	1.96E-07	2.08E-07
	Xe133	9.02E-01	9.02E-01	9.02E-01	9.02E-01	9.02E-01	9.02E-01	9.02E-01	8.97E-01	8.80E-01	8.46E-01	8.12E-01	7.38E-01	5.95E-01	4.73E-01
	Xe135m	4.22E-01	4.22E-01	4.22E-01	4.22E-01	4.22E-01	4.22E-01	4.22E-01	4.20E-01	4.12E-01	3.96E-01	2.07E-01	1.08E-01	5.41E-02	2.95E-02
	Xe135	5.03E-01	5.03E-01	5.03E-01	5.03E-01	5.03E-01	5.03E-01	5.03E-01	5.01E-01	4.91E-01	4.72E-01	4.48E-01	4.02E-01	3.21E-01	2.53E-01
	Xe137	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe138	3.84E-01	3.84E-01	3.84E-01	3.84E-01	3.84E-01	3.84E-01	3.84E-01	3.82E-01	3.75E-01	3.60E-01	1.66E-01	7.20E-02	2.78E-02	1.06E-02
	Total	2.55E+00	2.55E+00	2.55E+00	2.55E+00	2.55E+00	2.55E+00	2.55E+00	2.54E+00	2.49E+00	2.39E+00	1.92E+00	1.56E+00	1.17E+00	8.97E-01
Halogens	I131	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.46E-02	1.43E-02	1.38E-02	1.32E-02	1.20E-02	9.68E-03	7.71E-03
	I132	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.69E-01	1.66E-01	1.59E-01	1.42E-01	1.20E-01	8.95E-02	6.61E-02
	I133	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.30E-01	1.27E-01	1.22E-01	1.17E-01	1.05E-01	8.41E-02	6.65E-02
	I134	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.84E-01	2.78E-01	2.68E-01	2.11E-01	1.57E-01	1.04E-01	6.82E-02
	I135	2.11E-01	2.11E-01	2.11E-01	2.11E-01	2.11E-01	2.11E-01	2.11E-01	2.10E-01	2.06E-01	1.98E-01	1.86E-01	1.64E-01	1.29E-01	1.00E-01
	Total	8.11E-01	8.11E-01	8.11E-01	8.11E-01	8.11E-01	8.11E-01	8.11E-01	8.07E-01	7.92E-01	7.61E-01	6.68E-01	5.58E-01	4.17E-01	3.09E-01
Alkali metals	Cs134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs137*	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs138	3.93E-01	3.93E-01	3.93E-01	3.93E-01	3.93E-01	3.93E-01	3.93E-01	3.91E-01	3.83E-01	3.69E-01	3.23E-01	2.41E-01	1.52E-01	9.20E-02
	Total	3.93E-01	3.93E-01	3.93E-01	3.93E-01	3.93E-01	3.93E-01	3.93E-01	3.91E-01	3.83E-01	3.69E-01	3.23E-01	2.41E-01	1.52E-01	9.20E-02
Rb, Sb, Te	Rb88	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.51E-01	2.49E-01	2.45E-01	2.35E-01	1.87E-01	1.46E-01	1.05E-01	7.63E-02
	Rb89	9.89E-02	9.89E-02	9.89E-02	9.89E-02	9.89E-02	9.89E-02	9.89E-02	9.84E-02	9.66E-02	9.28E-02	4.54E-02	2.10E-02	8.64E-03	3.50E-03
	Te129	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	3.50E-01	3.50E-01	3.50E-01	3.50E-01	3.50E-01	3.50E-01	3.50E-01	3.48E-01	3.41E-01	3.28E-01	2.32E-01	1.67E-01	1.14E-01	7.98E-02
Alkaline earths	Sr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Sr91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Y91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ba140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare earths	Nb95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Zr95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Mo99	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	La140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Br84	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ru103	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

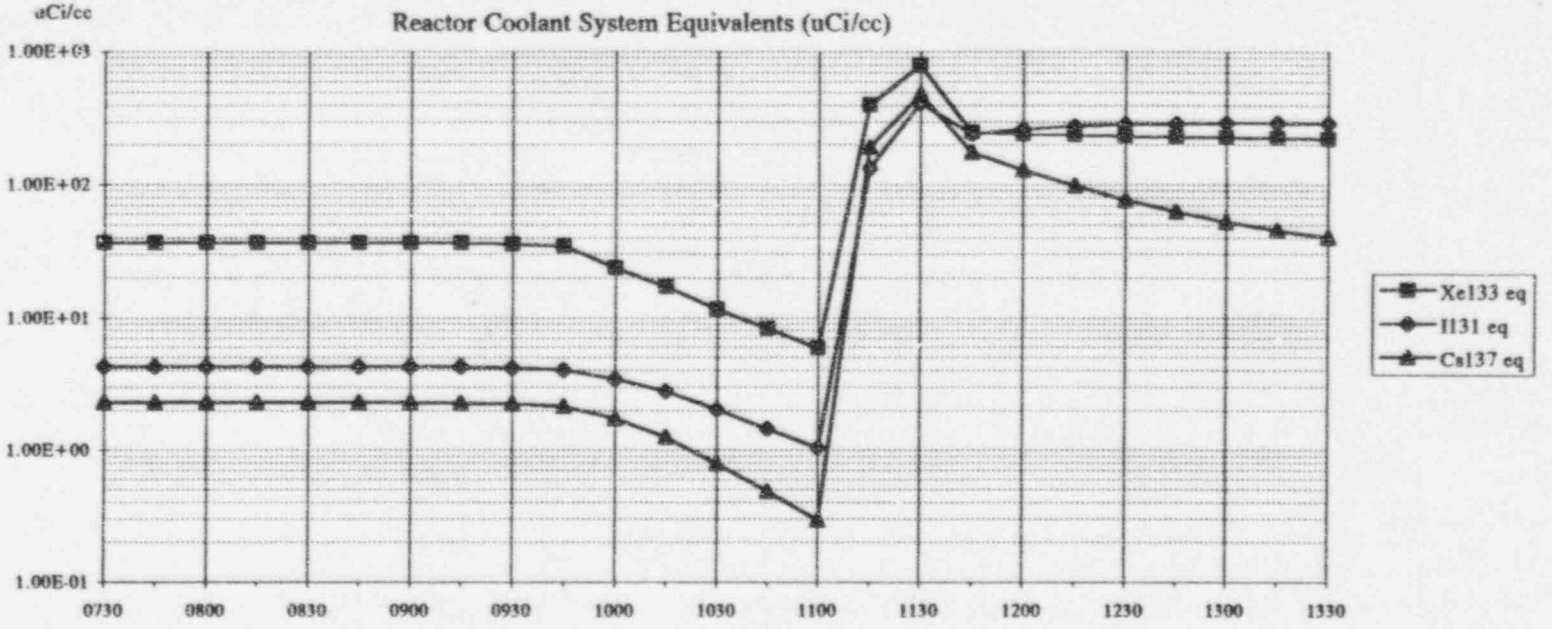
Reactor Coolant System Isotopic (uCi/cc)

		1100	1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Noble gases	Kr85m	2.34E-02	4.25E-01	1.14E+00	5.47E-01	5.26E-01	5.06E-01	4.87E-01	4.69E-01	4.51E-01	4.34E-01	4.17E-01
	Kr85	5.02E-08	3.90E-02	1.12E-01	5.57E-02	5.57E-02	5.57E-02	5.57E-02	5.57E-02	5.57E-02	5.57E-02	5.57E-02
	Kr87	2.37E-02	2.34E-01	5.86E-01	2.54E-01	2.22E-01	1.93E-01	1.69E-01	1.47E-01	1.28E-01	1.12E-01	9.78E-02
	Kr88	4.78E-02	7.09E-01	1.87E+00	8.76E-01	8.24E-01	7.75E-01	7.29E-01	6.86E-01	6.45E-01	6.07E-01	5.71E-01
	Xr89	< LLD	3.79E+00	5.10E+00	9.35E-02	3.44E-03	1.27E-04	4.68E-06	1.72E-07	6.36E-09	2.34E-10	8.64E-12
	Xe131m	2.03E-07	8.34E+01	2.39E+02	1.19E+02	1.19E+02	1.19E+02	1.19E+02	1.19E+02	1.19E+02	1.18E+02	1.18E+02
	Xe133	3.70E-01	8.61E+01	2.46E+02	1.22E+02	1.22E+02	1.22E+02	1.22E+02	1.21E+02	1.21E+02	1.21E+02	1.21E+02
	Xe135m	1.76E-02	1.72E-01	7.54E-01	6.37E-01	7.58E-01	8.08E-01	8.22E-01	8.19E-01	8.07E-01	7.90E-01	7.72E-01
	Xe135	1.95E-01	1.79E+00	4.69E+00	2.38E+00	2.43E+00	2.47E+00	2.51E+00	2.55E+00	2.59E+00	2.61E+00	2.64E+00
	Xe137	< LLD	9.61E+00	1.39E+01	4.55E-01	2.99E-02	1.97E-03	1.29E-04	8.50E-06	5.59E-07	3.68E-08	2.42E-09
	Xe138	3.97E-03	9.97E-02	2.16E-01	5.15E-02	2.46E-02	1.18E-02	5.64E-03	2.70E-03	1.29E-03	6.17E-04	2.95E-04
	Total	6.82E-01	1.86E+02	5.13E+02	2.46E+02	2.46E+02	2.45E+02	2.45E+02	2.45E+02	2.45E+02	2.44E+02	2.44E+02
Halogens	I131	6.03E-03	6.55E+01	1.88E+02	9.32E+01	9.31E+01	9.30E+01	9.30E+01	9.29E+01	9.28E+01	9.27E+01	9.26E+01
	I132	4.80E-02	1.67E+00	6.14E+00	4.81E+00	6.42E+00	7.92E+00	9.30E+00	1.06E+01	1.18E+01	1.28E+01	1.39E+01
	I133	5.17E-02	1.44E+01	4.10E+01	2.02E+01	2.01E+01	1.99E+01	1.97E+01	1.96E+01	1.94E+01	1.93E+01	1.91E+01
	I134	4.38E-02	2.04E+00	9.32E+00	8.06E+00	9.95E+00	1.08E+01	1.09E+01	1.05E+01	9.85E+00	9.05E+00	8.18E+00
	I135	7.65E-02	4.30E+00	1.20E+01	5.81E+00	5.66E+00	5.52E+00	5.37E+00	5.23E+00	5.10E+00	4.96E+00	4.83E+00
	Total	2.26E-01	8.79E+01	2.56E+02	1.32E+02	1.35E+02	1.37E+02	1.38E+02	1.39E+02	1.39E+02	1.39E+02	1.39E+02
Alkali metals	Cs134	< LLD	3.10E+00	8.87E+00	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.41E+00
	Cs137*	< LLD	2.00E+00	5.72E+00	2.84E+00	2.84E+00	2.84E+00	2.84E+00	2.84E+00	2.84E+00	2.84E+00	2.84E+00
	Cs138	5.38E-02	2.24E+01	5.69E+01	2.05E+01	1.49E+01	1.08E+01	7.79E+00	5.64E+00	4.09E+00	2.96E+00	2.14E+00
	Total	5.38E-02	2.75E+01	7.15E+01	2.78E+01	2.21E+01	1.80E+01	1.50E+01	1.29E+01	1.13E+01	1.02E+01	9.40E+00
Rb, Sb, Te	Rb88	5.31E-02	8.00E+00	1.88E+01	5.62E+00	3.51E+00	2.31E+00	1.62E+00	1.21E+00	9.71E-01	8.17E-01	7.16E-01
	Rb99	1.30E-03	1.11E+01	2.59E+01	6.87E+00	3.51E+00	1.79E+00	9.09E-01	4.63E-01	2.36E-01	1.20E-01	6.11E-02
	Te129	< LLD	4.23E+00	1.21E+01	6.03E+00	6.02E+00	6.02E+00	6.02E+00	6.02E+00	6.02E+00	6.02E+00	6.02E+00
	Te132	< LLD	1.90E+01	5.43E+01	2.70E+01	2.69E+01	2.68E+01	2.68E+01	2.67E+01	2.67E+01	2.66E+01	2.65E+01
	Te134	< LLD	2.08E+01	5.42E+01	2.10E+01	1.64E+01	1.28E+01	1.00E+01	7.81E+00	6.10E+00	4.75E+00	3.72E+00
	Total	5.65E-02	6.31E+01	1.65E+02	6.65E+01	5.64E+01	4.98E+01	4.53E+01	4.22E+01	4.00E+01	3.83E+01	3.71E+01
Alkaline earths	Sr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Sr91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Y91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ba140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare earths	Nb95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Zr95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Mo99	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	La140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Br84	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ru103	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

Reactor Coolant System Isotopic (uCi/cc)

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045
Equivalents	Xe133eq	3.66E+01	3.66E+01	3.66E+01	3.66E+01	3.66E+01	3.66E+01	3.66E+01	3.64E+01	3.57E+01	3.43E+01	2.35E+01	1.68E+01	1.15E+01	8.20E+00
	I131eq	4.26E+00	4.26E+00	4.26E+00	4.26E+00	4.26E+00	4.26E+00	4.26E+00	4.24E+00	4.16E+00	4.00E+00	3.42E+00	2.78E+00	2.02E+00	1.46E+00
	Cs137eq	2.29E+00	2.29E+00	2.29E+00	2.29E+00	2.29E+00	2.29E+00	2.29E+00	2.28E+00	2.24E+00	2.15E+00	1.73E+00	1.25E+00	7.87E-01	4.84E-01



System Volume	(gal)	4.76E+04	4.76E+04	4.76E+04	4.76E+04	4.76E+04	4.76E+04	4.76E+04	4.76E+04	4.76E+04	4.76E+04	4.76E+04	4.58E+04	4.04E+04	3.50E+04
	(cc)	1.80E+08	1.80E+08	1.80E+08	1.80E+08	1.80E+08	1.80E+08	1.80E+08	1.80E+08	1.80E+08	1.80E+08	1.80E+08	1.73E+08	1.53E+08	1.33E+08
[Boron]	(ppm)	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02
[Chloride]	(ppm)	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03
[Hydrogen]	(cc/kg)	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02
PASS Dose Rates (mR/hr)															
SI-16/SI-40: Undiluted liquid		1.21E+06	1.21E+06	1.21E+06	1.21E+06	1.21E+06	1.21E+06	1.21E+06	1.21E+06	1.19E+06	1.14E+06	9.29E+05	7.47E+05	5.50E+05	4.08E+05
SI-35: Undiluted gas		1.21E+06	1.21E+06	1.21E+06	1.21E+06	1.21E+06	1.21E+06	1.21E+06	1.21E+06	1.18E+06	1.14E+06	9.28E+05	7.46E+05	5.49E+05	4.07E+05
SL-34 Contact: Diluted gas		3.37E+01	3.37E+01	3.37E+01	3.37E+01	3.37E+01	3.37E+01	3.37E+01	3.36E+01	3.29E+01	3.17E+01	2.58E+01	2.08E+01	1.53E+01	1.13E+01
SL-34 1 Foot: Diluted gas		1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.02E+00	1.00E+00	9.65E-01	7.86E-01	6.32E-01	4.65E-01	3.45E-01
SL-18 Contact: Diluted liquid		4.55E+07	4.55E+07	4.55E+07	4.55E+07	4.55E+07	4.55E+07	4.55E+07	4.53E+07	4.45E+07	4.27E+07	3.48E+07	2.80E+07	2.06E+07	1.53E+07
SL-18 1 Foot: Diluted liquid		4.55E+07	4.55E+07	4.55E+07	4.55E+07	4.55E+07	4.55E+07	4.55E+07	4.53E+07	4.45E+07	4.27E+07	3.48E+07	2.80E+07	2.06E+07	1.53E+07
SI-16/SL-40 Dilution Factor		6.07E+04	6.07E+04	6.07E+04	6.07E+04	6.07E+04	6.07E+04	6.07E+04	6.04E+04	5.93E+04	5.70E+04	4.65E+04	3.74E+04	2.75E+04	2.04E+04
SI-35 Dilution Factor		6.07E+04	6.07E+04	6.07E+04	6.07E+04	6.07E+04	6.07E+04	6.07E+04	6.03E+04	5.92E+04	5.69E+04	4.64E+04	3.73E+04	2.75E+04	2.04E+04

RADIOCHEMICAL DATA

Reactor Coolant System Isotopic (uCi/cc)

		1100	1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Equivalents	Xe133eq	5.90E+00	3.98E+02	7.90E+02	2.48E+02	2.39E+02	2.36E+02	2.32E+02	2.29E+02	2.25E+02	2.22E+02	2.19E+02
	I131eq	1.04E+00	1.33E+02	4.12E+02	2.39E+02	2.62E+02	2.76E+02	2.85E+02	2.89E+02	2.91E+02	2.91E+02	2.90E+02
	Cs137eq	2.93E-01	1.91E+02	4.83E+02	1.72E+02	1.27E+02	9.71E+01	7.66E+01	6.24E+01	5.23E+01	4.50E+01	3.97E+01

System Volume	(gal)	2.96E+04	1.72E+04	1.72E+04	1.72E+04	1.72E+04	1.72E+04	1.72E+04	1.72E+04	1.72E+04	1.72E+04	1.72E+04
	(cc)	1.12E+08	6.51E+07	6.51E+07	6.51E+07	6.51E+07	6.51E+07	6.51E+07	6.51E+07	6.51E+07	6.51E+07	6.51E+07
[Boron]	(ppm)	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02	8.95E+02
[Chloride]	(ppm)	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.00E-03
[Hydrogen]	(cc/kg)	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02
PASS Dose Rates (mR/hr)												
SI-16/SI-40: Undiluted liquid		3.01E+05	1.08E+08	2.98E+08	1.40E+08	1.36E+08	1.33E+08	1.31E+08	1.30E+08	1.29E+08	1.28E+08	1.27E+08
SI-35: Undiluted gas		3.01E+05	1.08E+08	2.98E+08	1.40E+08	1.36E+08	1.33E+08	1.31E+08	1.30E+08	1.29E+08	1.28E+08	1.27E+08
SL-34 Contact: Diluted gas		8.38E+00	3.00E+03	8.27E+03	3.89E+03	3.78E+03	3.70E+03	3.65E+03	3.61E+03	3.58E+03	3.55E+03	3.53E+03
SL-34 1 Foot: Diluted gas		2.55E-01	9.14E+01	2.52E+02	1.18E+02	1.15E+02	1.13E+02	1.11E+02	1.10E+02	1.09E+02	1.08E+02	1.07E+02
SL-18 Contact: Diluted liquid		1.13E+07	4.05E+09	1.12E+10	5.25E+09	5.10E+09	5.00E+09	4.93E+09	4.87E+09	4.83E+09	4.79E+09	4.76E+09
SL-18 1 Foot: Diluted liquid		1.13E+07	4.05E+09	1.12E+10	5.25E+09	5.10E+09	5.00E+09	4.93E+09	4.87E+09	4.83E+09	4.79E+09	4.76E+09
SI-16/SL-40 Dilution Factor		1.51E+04	5.40E+06	1.49E+07	7.00E+06	6.80E+06	6.66E+06	6.57E+06	6.49E+06	6.43E+06	6.39E+06	6.35E+06
SI-35 Dilution Factor		1.51E+04	5.39E+06	1.49E+07	6.99E+06	6.79E+06	6.66E+06	6.56E+06	6.49E+06	6.43E+06	6.38E+06	6.34E+06

RADIOCHEMICAL DATA

Containment Building Sump Isotopic (uCi/cc)

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Noble gases	Kr85m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr85	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr87	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe131	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.78E-08	9.88E-08	2.88E-07	6.13E-07	1.07E-06	1.67E-06
	Xe133	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	3.13E-05	1.73E-04	5.01E-04	1.06E-03	1.85E-03	2.87E-03
	Xe135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	3.15E-03	1.49E-02	3.76E-02	6.89E-02	1.04E-01	1.39E-01
	Xe135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.97E-04	3.25E-03	9.31E-03	1.94E-02	3.33E-02	5.07E-02
	Xe137	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Halogens	I131	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	4.75E-03	1.64E-02	3.47E-02	5.51E-02	7.54E-02	9.58E-02
	I132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.07E-02	1.66E-01	3.31E-01	4.90E-01	6.25E-01	7.37E-01
	I133	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	4.19E-02	1.44E-01	3.02E-01	4.77E-01	6.49E-01	8.17E-01
	I134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	7.43E-02	2.25E-01	4.06E-01	5.38E-01	6.10E-01	6.39E-01
	I135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	6.65E-02	2.26E-01	4.67E-01	7.25E-01	9.69E-01	1.20E+00
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Alkali metals	Cs134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs137*	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.44E+00	5.63E+00	1.12E+01	1.57E+01	1.81E+01	1.85E+01
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rb, Sb, Te	Rb88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.05E+00	4.32E+00	9.51E+00	1.50E+01	1.92E+01	2.19E+01
	Rb89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.54E-02	3.45E-02	4.28E-02	3.66E-02	2.61E-02	1.71E-02
	Te129	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Alkaline earths	Sr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Sr91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Y91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ba140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare earths	Nb95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Zr95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Mo99	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	La140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Br84	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ru103	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

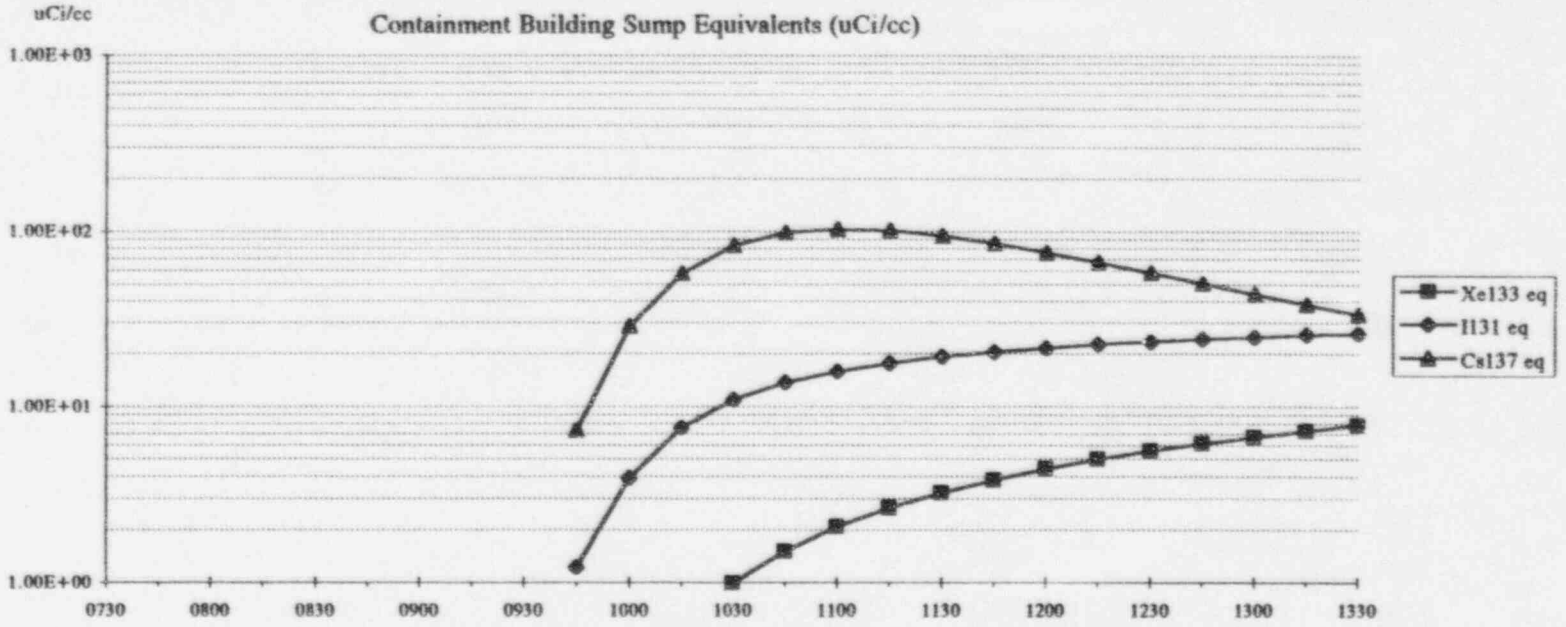
Containment Building Sump Isotopic (uCi/cc)

		1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Noble gases	Kr85m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr85	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr87	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe131	2.41E-06	3.28E-06	4.33E-06	5.60E-06	7.13E-06	8.94E-06	1.11E-05	1.35E-05	1.64E-05	1.96E-05
	Xe133	4.11E-03	5.56E-03	7.24E-03	9.12E-03	1.12E-02	1.35E-02	1.60E-02	1.87E-02	2.17E-02	2.48E-02
	Xe135	1.74E-01	2.08E-01	2.40E-01	2.71E-01	2.99E-01	3.27E-01	3.53E-01	3.77E-01	4.00E-01	4.21E-01
	Xe135	7.13E-02	9.49E-02	1.21E-01	1.50E-01	1.81E-01	2.15E-01	2.50E-01	2.86E-01	3.25E-01	3.65E-01
	Xe137	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Halogens	I131	1.16E-01	1.38E-01	1.66E-01	2.01E-01	2.40E-01	2.84E-01	3.33E-01	3.86E-01	4.43E-01	5.05E-01
	I132	8.29E-01	9.04E-01	9.64E-01	1.01E+00	1.05E+00	1.07E+00	1.09E+00	1.10E+00	1.11E+00	1.11E+00
	I133	9.83E-01	1.15E+00	1.31E+00	1.47E+00	1.63E+00	1.79E+00	1.94E+00	2.10E+00	2.25E+00	2.40E+00
	I134	6.37E-01	6.16E-01	5.83E-01	5.43E-01	5.00E-01	4.56E-01	4.13E-01	3.72E-01	3.34E-01	2.98E-01
	I135	1.42E+00	1.62E+00	1.82E+00	2.00E+00	2.18E+00	2.34E+00	2.49E+00	2.64E+00	2.77E+00	2.90E+00
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Alkali metals	Cs134	< LLD	6.44E-05	4.65E-04	1.16E-03	2.07E-03	3.20E-03	4.54E-03	6.11E-03	7.90E-03	9.90E-03
	Cs137*	< LLD	4.15E-05	3.00E-04	7.45E-04	1.33E-03	2.06E-03	2.93E-03	3.94E-03	5.09E-03	6.38E-03
	Cs138	1.76E+01	1.59E+01	1.39E+01	1.18E+01	9.82E+00	8.04E+00	6.50E+00	5.20E+00	4.12E+00	3.24E+00
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rb, Sb, Te	Rb88	2.33E+01	2.37E+01	2.35E+01	2.28E+01	2.19E+01	2.09E+01	1.99E+01	1.88E+01	1.78E+01	1.68E+01
	Rb89	1.07E-02	7.19E-03	6.93E-03	6.02E-03	4.46E-03	3.03E-03	1.95E-03	1.21E-03	7.35E-04	4.37E-04
	Te129	< LLD	8.80E-05	6.35E-04	1.58E-03	2.82E-03	4.36E-03	6.20E-03	8.34E-03	1.08E-02	1.35E-02
	Te132	< LLD	3.94E-04	2.84E-03	7.05E-03	1.26E-02	1.94E-02	2.75E-02	3.69E-02	4.76E-02	5.96E-02
	Te134	< LLD	3.45E-04	2.07E-03	4.10E-03	5.78E-03	7.02E-03	7.83E-03	8.24E-03	8.34E-03	8.18E-03
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Alkaline earths	Sr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Sr91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Y91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ba140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare earths	Nb95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Zr95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Mo99	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	La140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Br84	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ru103	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

Containment Building Sump Isotopic (uCi/cc)

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Equivalents	Xe133e	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-02	2.06E-01	5.26E-01	9.81E-01	1.50E+00	2.06E+00
	I131eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E+00	3.89E+00	7.55E+00	1.09E+01	1.36E+01	1.59E+01
	Cs137e	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E+00	2.86E+01	5.77E+01	8.30E+01	9.77E+01	1.03E+02



System Volume	(gal)	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03
	(cc)	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07
Narrow Level	(in)	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01
Wide Level	(ft)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
[Boron]	(ppm)	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02
PASS Dose Rates (mR/hr)																
Liquid Sample																
SI-16/SL-40 (undiluted)		9.1E-10	9.1E-10	9.1E-10	9.1E-10	9.1E-10	9.1E-10	9.1E-10	9.1E-10	9.1E-10	8.1E+05	3.2E+06	6.6E+06	9.8E+06	1.2E+07	1.3E+07
SL-16 Contact (diluted)		Bkg	Bkg	Bkg	Bkg	Bkg	Bkg	Bkg	Bkg	Bkg	1.0E-01	4.1E-01	8.5E-01	1.3E+00	1.5E+00	1.7E+00
SL-16 1 Foot (diluted)		Bkg	Bkg	Bkg	Bkg	Bkg	Bkg	Bkg	Bkg	Bkg	1.0E-01	4.1E-01	8.5E-01	1.3E+00	1.5E+00	1.7E+00
SI-16/SL-40 Dilution Fa		4.57E-11	4.57E-11	4.57E-11	4.57E-11	4.57E-11	4.57E-11	4.57E-11	4.57E-11	4.57E-11	4.06E+04	1.59E+05	3.30E+05	4.89E+05	5.97E+05	6.51E+05

RADIOCHEMICAL DATA

Containment Building Sump Isotopic (uCi/cc)

		1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Equivalents	Xe133e	2.64E+00	3.22E+00	3.80E+00	4.38E+00	4.96E+00	5.53E+00	6.10E+00	6.66E+00	7.21E+00	7.76E+00
	I131eq	1.77E+01	1.92E+01	2.04E+01	2.15E+01	2.25E+01	2.34E+01	2.41E+01	2.48E+01	2.55E+01	2.61E+01
	Cs137e	1.00E+02	9.38E+01	8.51E+01	7.57E+01	6.64E+01	5.79E+01	5.03E+01	4.36E+01	3.79E+01	3.31E+01

System Volume	(gal)	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03	8.98E+03
	(cc)	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07	3.40F+07	3.40E+07	3.40E+07	3.40E+07	3.40E+07
Narrow Level	(in)	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01
Wide Level	(ft)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
[Boron]	(ppm)	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02	4.51E+02
PASS Dose Rates (mR/hr											
Liquid Sample											
SI-16/SL-40 (undiluted)		1.3E+07	1.3E+07	1.3E+07	1.2E+07	1.1E+07	1.0E+07	9.8E+06	9.3E+06	8.7E+06	8.3E+06
SL-18 Contact (diluted)		1.7E+00	1.7E+00	1.6E+00	1.5E+00	1.4E+00	1.3E+00	1.3E+00	1.2E+00	1.1E+00	1.1E+00
SL-18 1 Foot (diluted)		1.7E+00	1.7E+00	1.6E+00	1.5E+00	1.4E+00	1.3E+00	1.3E+00	1.2E+00	1.1E+00	1.1E+00
SI-16/SL-40 Dilution Fa		6.66E+05	6.55E+05	6.28E+05	5.94E+05	5.59E+05	5.24E+05	4.92E+05	4.63E+05	4.37E+05	4.15E+05

RADIOCHEMICAL DATA

Containment Building Atmosphere Isotopic (uCi/cc)

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Noble gases	Kr85m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	4.27E-06	1.64E-05	2.75E-05	3.37E-05	3.24E-05	3.12E-05	3.00E-05
	Kr85	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.43E-12	1.63E-11	3.27E-11	4.55E-11	5.79E-11	6.98E-11
	Kr87	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	6.83E-06	2.50E-05	3.93E-05	4.42E-05	3.85E-05	3.36E-05	2.93E-05
	Kr88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	9.69E-06	3.69E-05	6.08E-05	7.31E-05	6.88E-05	6.47E-05	6.09E-05
	Kr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe131	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	6.33E-12	1.99E-11	2.05E-11	2.10E-11	2.15E-11
	Xe133	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.68E-05	2.22E-04	3.81E-04	4.84E-04	4.83E-04	4.82E-04	4.82E-04
	Xe135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	2.12E-05	6.08E-05	6.95E-05	4.88E-05	2.48E-05	1.26E-05	6.48E-06
	Xe135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	3.15E-05	1.22E-04	2.08E-04	2.59E-04	2.54E-04	2.50E-04	2.45E-04
	Xe137	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.89E-05	5.30E-05	5.79E-05	3.77E-05	1.80E-05	8.63E-06	4.13E-06
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.49E-04	5.37E-04	8.44E-04	9.80E-04	9.20E-04	8.83E-04	8.57E-04
Halogens	I131	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	9.23E-09	3.62E-08	6.21E-08	7.87E-08	7.86E-08	7.86E-08	7.85E-08
	I132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.04E-07	3.94E-07	6.43E-07	7.63E-07	7.07E-07	6.55E-07	6.07E-07
	I133	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	8.18E-08	3.20E-07	5.46E-07	6.87E-07	6.82E-07	6.76E-07	6.70E-07
	I134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.68E-07	5.98E-07	9.05E-07	9.61E-07	7.89E-07	6.47E-07	5.31E-07
	I135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.32E-07	5.10E-07	8.61E-07	1.07E-06	1.04E-06	1.01E-06	9.86E-07
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	4.95E-07	1.86E-06	3.02E-06	3.56E-06	3.30E-06	3.07E-06	2.87E-06
Alkali metals	Cs134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs137	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	2.41E-06	1.62E-05	3.07E-05	3.69E-05	3.39E-05	2.80E-05	2.19E-05
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	2.41E-06	1.62E-05	3.07E-05	3.69E-05	3.39E-05	2.80E-05	2.19E-05
Rb, Sb, Te	Rb88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.86E-06	1.44E-05	3.25E-05	5.05E-05	5.94E-05	6.26E-05	6.26E-05
	Rb89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	4.97E-08	1.43E-07	1.62E-07	1.12E-07	5.68E-08	2.89E-08	1.47E-08
	Te129	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.91E-06	1.45E-05	3.27E-05	5.06E-05	5.95E-05	6.26E-05	6.26E-05
Alkaline earths	Sr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Sr91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Y91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ba140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare earths	Nb95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Zr95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Mo99	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	La140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Br84	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ru103	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

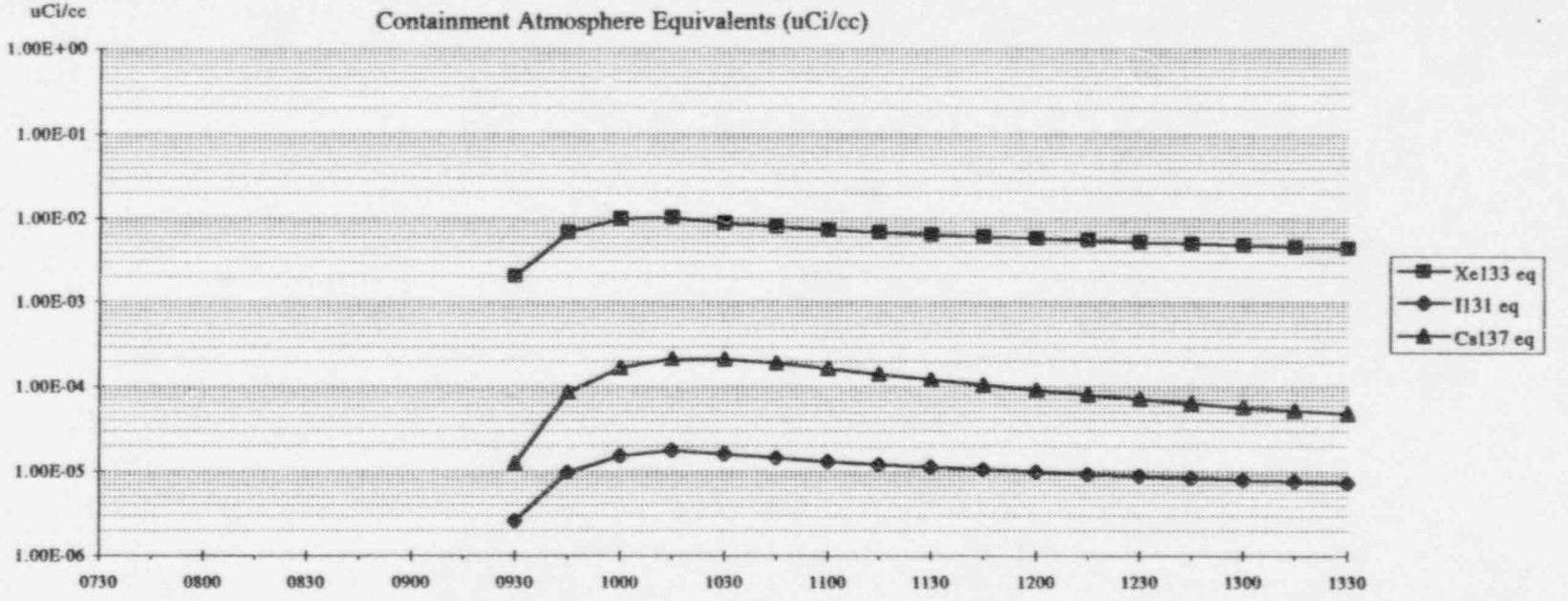
Containment Building Atmosphere Isotopic (uCi/cc)

		1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Noble gases	Kr85m	2.89E-05	2.78E-05	2.67E-05	2.57E-05	2.48E-05	2.38E-05	2.29E-05	2.21E-05	2.12E-05	2.04E-05
	Kr85	8.12E-11	1.37E-09	3.10E-09	4.18E-09	5.25E-09	6.32E-09	7.39E-09	8.46E-09	9.54E-09	1.06E-08
	Kr87	2.56E-05	2.23E-05	1.95E-05	1.70E-05	1.48E-05	1.30E-05	1.13E-05	9.87E-06	8.61E-06	7.51E-06
	Xr88	5.73E-05	5.39E-05	5.07E-05	4.77E-05	4.49E-05	4.23E-05	3.98E-05	3.75E-05	3.52E-05	3.32E-05
	Kr89	< LLD	1.49E-08	3.43E-09	1.92E-10	9.51E-12	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe131	2.20E-11	2.74E-06	6.41E-06	8.67E-06	1.09E-05	1.32E-05	1.54E-05	1.77E-05	2.00E-05	2.22E-05
	Xe133	4.81E-04	4.83E-04	4.86E-04	4.88E-04	4.89E-04	4.91E-04	4.93E-04	4.94E-04	4.96E-04	4.98E-04
	Xe135	3.35E-06	1.78E-06	9.79E-07	5.73E-07	3.67E-07	2.61E-07	2.06E-07	1.76E-07	1.60E-07	1.49E-07
	Xe135	2.40E-04	2.36E-04	2.32E-04	2.27E-04	2.23E-04	2.19E-04	2.15E-04	2.11E-04	2.07E-04	2.03E-04
	Xe137	< LLD	5.20E-08	1.75E-08	1.72E-09	1.51E-10	1.24E-11	< LLD	< LLD	< LLD	< LLD
	Xe138	1.97E-06	9.46E-07	4.54E-07	2.18E-07	1.04E-07	5.00E-08	2.40E-08	1.15E-08	5.51E-09	2.64E-09
	Total	8.38E-04	8.28E-04	8.23E-04	8.15E-04	8.08E-04	8.03E-04	7.97E-04	7.93E-04	7.88E-04	7.84E-04
Halogens	I131	7.84E-08	9.98E-08	1.29E-07	1.46E-07	1.64E-07	1.81E-07	1.99E-07	2.17E-07	2.34E-07	2.52E-07
	I132	5.63E-07	5.23E-07	4.86E-07	4.53E-07	4.23E-07	3.95E-07	3.71E-07	3.48E-07	3.28E-07	3.10E-07
	I133	6.65E-07	6.64E-07	6.65E-07	6.63E-07	6.61E-07	6.60E-07	6.58E-07	6.56E-07	6.54E-07	6.53E-07
	I134	4.36E-07	3.59E-07	2.98E-07	2.48E-07	2.08E-07	1.74E-07	1.47E-07	1.24E-07	1.05E-07	8.89E-08
	I135	9.60E-07	9.36E-07	9.14E-07	8.91E-07	8.69E-07	8.47E-07	8.26E-07	8.06E-07	7.86E-07	7.66E-07
	Total	2.70E-06	2.58E-06	2.49E-06	2.40E-06	2.32E-06	2.26E-06	2.20E-06	2.15E-06	2.11E-06	2.07E-06
Alkali metals	Cs134	< LLD	1.02E-09	2.38E-09	3.22E-09	4.06E-09	4.91E-09	5.75E-09	6.59E-09	7.43E-09	8.28E-09
	Cs137*	< LLD	6.55E-10	1.53E-09	2.08E-09	2.62E-09	3.16E-09	3.71E-09	4.25E-09	4.79E-09	5.34E-09
	Cs138	1.67E-05	1.25E-05	9.20E-06	6.75E-06	4.93E-06	3.59E-06	2.61E-06	1.90E-06	1.38E-06	9.98E-07
	Total	1.67E-05	1.25E-05	9.21E-06	6.76E-06	4.94E-06	3.60E-06	2.62E-06	1.91E-06	1.39E-06	1.01E-06
Rb, Sb, Te	Rb88	6.09E-05	5.85E-05	5.57E-05	5.28E-05	4.99E-05	4.70E-05	4.43E-05	4.17E-05	3.93E-05	3.70E-05
	Rb89	7.50E-09	1.70E-08	1.79E-08	1.03E-08	5.61E-09	3.03E-09	1.63E-09	8.75E-10	4.68E-10	2.50E-10
	Te129	< LLD	1.39E-09	3.25E-09	4.40E-09	5.55E-09	6.70E-09	7.84E-09	8.99E-09	1.01E-08	1.13E-08
	Te132	< LLD	6.22E-09	1.45E-08	1.96E-08	2.47E-08	2.98E-08	3.48E-08	3.98E-08	4.48E-08	4.98E-08
	Te134	< LLD	5.67E-09	1.09E-08	1.17E-08	1.15E-08	1.09E-08	1.00E-08	8.99E-09	7.93E-09	6.90E-09
	Total	6.09E-05	5.85E-05	5.57E-05	5.28E-05	4.99E-05	4.71E-05	4.44E-05	4.18E-05	3.94E-05	3.71E-05
Alkaline earths	Sr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Sr91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Y91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ba140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare earths	Nb95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Zr95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Mo99	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	La140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Br84	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ru103	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

Containment Building Atmosphere Isotopic (uCi/cc)

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Equivalents	Xe133e	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	6.80E-03	9.80E-03	1.02E-02	8.78E-03	7.87E-03	7.24E-03
	I131eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-06	9.55E-06	1.52E-05	1.75E-05	1.58E-05	1.43E-05	1.31E-05
	Cs137e	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	8.45E-05	1.66E-04	2.13E-04	2.11E-04	1.90E-04	1.64E-04



Pressure	(psig)	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01
Temperature	(F)	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02
Volume	TP (cc)	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10
	STP (cc	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10
[Hydrogen]	%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PASS Dose Rates (mR/hr)																
Gas Sample																
SI-35 Undiluted		9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	4.55E+01	1.68E+02	2.69E+02	3.17E+02	3.01E+02	2.89E+02	2.79E+02
SL-34 Contact: Dilute		2.50E-06	2.50E-06	2.50E-06	2.50E-06	2.50E-06	2.50E-06	2.50E-06	2.50E-06	1.27E-03	4.69E-03	7.49E-03	8.81E-03	8.36E-03	8.03E-03	7.77E-03
SL-34 1 Foot: Diluted		8.57E-08	8.57E-08	8.57E-08	8.57E-08	8.57E-08	8.57E-08	8.57E-08	8.57E-08	3.86E-05	1.43E-04	2.28E-04	2.68E-04	2.55E-04	2.45E-04	2.37E-04
SI-35 Dilution Factor		4.79E-10	4.79E-10	4.79E-10	4.79E-10	4.79E-10	4.79E-10	4.79E-10	4.79E-10	2.28E+00	8.42E+00	1.35E+01	1.58E+01	1.50E+01	1.44E+01	1.40E+01

RADIOCHEMICAL DATA

Containment Building Atmosphere Isotopic (uCi/cc)

		1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Equivalents	Xe133e	6.76E-03	6.37E-03	6.04E-03	5.74E-03	5.46E-03	5.21E-03	4.97E-03	4.76E-03	4.55E-03	4.36E-03
	I131eq	1.20E-05	1.11E-05	1.04E-05	9.72E-06	9.16E-06	8.66E-06	8.23E-06	7.86E-06	7.52E-06	7.22E-06
	Cs137e	1.40E-04	1.20E-04	1.03E-04	8.98E-05	7.89E-05	7.00E-05	6.28E-05	5.68E-05	5.18E-05	4.75E-05

Pressure	(psig)	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01	1.52E+01
Temper · .re	(F)	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02
Volume	TP (cc)	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10	2.97E+10
	STP (cc	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10	5.27E+10
[Hydrogen]	%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PASS Dose Rates (m											
Gas Sample											
SI-35 Undiluted		2.72E+02	2.67E+02	2.63E+02	2.59E+02	2.56E+02	2.53E+02	2.50E+02	2.48E+02	2.46E+02	2.44E+02
SL-34 Contact: Dilute		7.56E-03	7.42E-03	7.32E-03	7.21E-03	7.12E-03	7.04E-03	6.96E-03	6.90E-03	6.84E-03	6.78E-03
SL-34 1 Foot: Diluted		2.30E-04	2.26E-04	2.23E-04	2.20E-04	2.17E-04	2.14E-04	2.12E-04	2.10E-04	2.08E-04	2.07E-04
SI-35 Dilution Factor		1.36E+01	1.33E+01	1.32E+01	1.30E+01	1.28E+01	1.26E+01	1.25E+01	1.24E+01	1.23E+01	1.22E+01

RADIOCHEMICAL DATA

Auxiliary Building Atmospheric Isotopic (uCi/cc)

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Noble gases	Kr85m	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	6.99E-05	9.54E-05	9.99E-05	9.72E-05	1.54E-03	2.18E-03	1.70E-03	1.16E-03
	Kr85	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	1.22E-11	2.49E-11	3.10E-11	4.69E-11	1.25E-09	2.70E-09	2.86E-09	2.48E-09
	Kr87	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	1.11E-04	1.48E-04	1.53E-04	1.43E-04	2.10E-03	2.69E-03	1.90E-03	1.17E-03
	Kr88	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	1.58E-04	2.15E-04	2.25E-04	2.17E-04	3.38E-03	4.67E-03	3.55E-03	2.37E-03
	Kr89	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Xe133m	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	4.21E-11	7.58E-11	8.77E-11	1.42E-10	4.76E-09	1.01E-08	1.07E-08	9.34E-09
	Xe133	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	9.34E-04	1.29E-03	1.35E-03	1.34E-03	2.19E-02	3.21E-02	2.59E-02	1.83E-02
	Xe135m	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	3.33E-04	4.08E-04	4.07E-04	3.06E-04	3.19E-03	2.85E-03	1.52E-03	7.78E-04
	Xe135	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	5.18E-04	7.11E-04	7.46E-04	7.35E-04	1.19E-02	1.73E-02	1.38E-02	9.65E-03
	Xe137	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Xe138	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	2.88E-04	3.49E-04	3.46E-04	2.44E-04	2.13E-03	1.50E-03	5.80E-04	1.97E-04
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Halogens	I131	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	1.36E-05	1.63E-05	1.62E-05	1.56E-05	3.50E-04	4.05E-04	2.92E-04	1.92E-04
	I132	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	1.53E-04	1.81E-04	1.79E-04	1.67E-04	3.48E-03	3.74E-03	2.50E-03	1.53E-03
	I133	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	1.21E-04	1.44E-04	1.43E-04	1.38E-04	3.06E-03	3.52E-03	2.52E-03	1.64E-03
	I134	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	2.44E-04	2.85E-04	2.80E-04	2.46E-04	4.58E-03	4.36E-03	2.58E-03	1.39E-03
	I135	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	1.95E-04	2.31E-04	2.29E-04	2.19E-04	4.78E-03	5.40E-03	3.79E-03	2.43E-03
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Alkali metal	Cs134	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Cs137*	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Cs138	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	3.60E-04	4.29E-04	4.25E-04	3.88E-04	7.03E-03	6.42E-03	3.52E-03	1.73E-03
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Rb, Sb, Te	Rb88	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	2.17E-04	2.62E-04	2.63E-04	2.36E-04	4.28E-03	4.66E-03	3.21E-03	2.02E-03
	Rb89	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	6.97E-05	7.75E-05	7.55E-05	5.17E-05	6.12E-04	3.61E-04	1.33E-04	4.44E-05
	Te129	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Te132	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Te134	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Alkaline ear	Sr89	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Sr91	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Y91	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Ba140	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare earths	Nb95	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Zr95	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Mo99	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	La140	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Br84	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Ru103	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

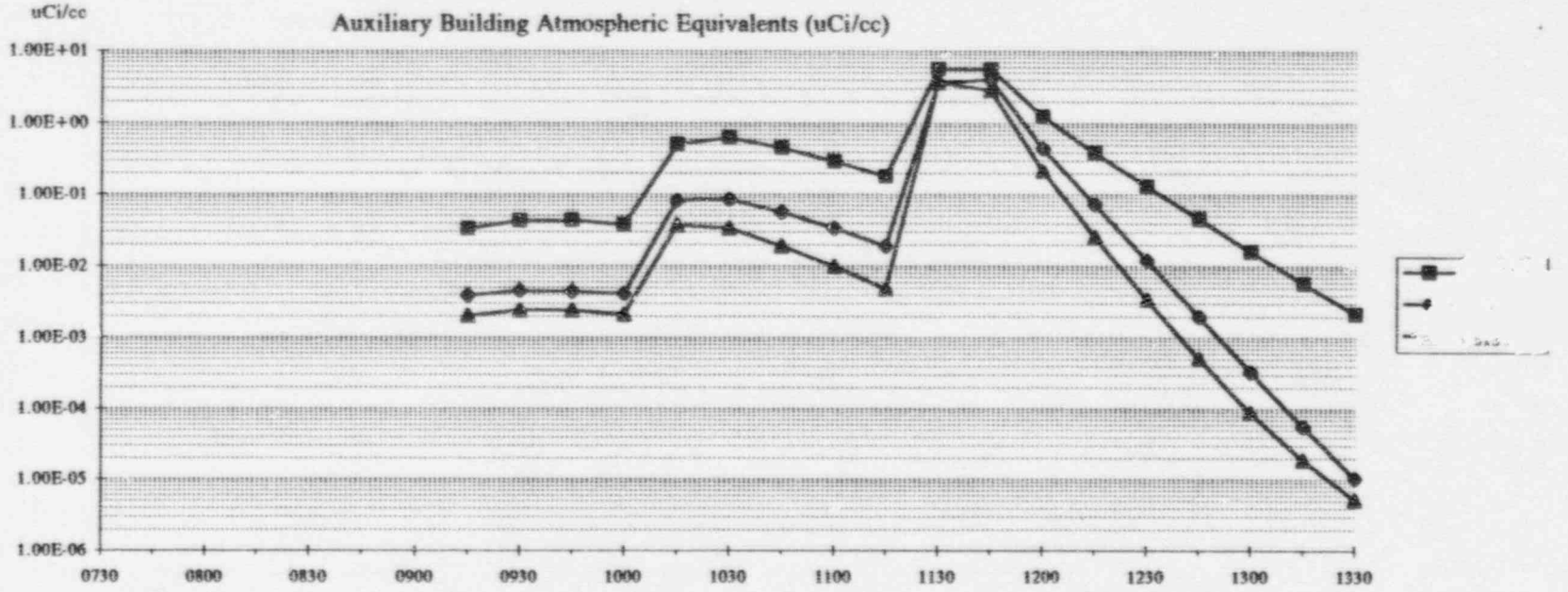
Auxiliary Building Atmospheric Isotopic (uCi/cc)

		1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Noble gases	Kr85m	7.30E-04	1.08E-02	1.23E-02	2.72E-03	8.48E-04	2.84E-04	9.69E-05	3.34E-05	1.18E-05	4.36E-06
	Kr85	1.92E-09	1.04E-03	1.25E-03	2.86E-04	9.24E-05	3.22E-05	1.14E-05	4.08E-06	1.49E-06	5.66E-07
	Kr87	6.71E-04	5.50E-03	5.72E-03	1.15E-03	3.24E-04	9.85E-05	3.05E-05	9.54E-06	3.05E-06	1.03E-06
	Kr88	1.46E-03	1.77E-02	1.97E-02	4.26E-03	1.30E-03	4.26E-04	1.42E-04	4.79E-05	1.65E-05	5.99E-06
	Kr89	<LLD	1.47E-02	1.85E-03	1.49E-05	1.75E-07	2.24E-09	2.92E-11	<LLD	<LLD	<LLD
	Xe133m	7.29E-09	2.23E+00	2.66E+00	6.10E-01	1.97E-01	6.86E-02	2.43E-02	8.68E-03	3.16E-03	1.20E-03
	Xe133	1.20E-02	2.30E+00	2.73E+00	6.26E-01	2.02E-01	7.04E-02	2.49E-02	8.89E-03	3.24E-03	1.23E-03
	Xe135m	4.03E-04	8.67E-03	1.28E-02	2.40E-03	5.34E-04	1.16E-04	2.41E-05	4.92E-06	9.98E-07	2.09E-07
	Xe135	6.24E-03	4.65E-02	5.38E-02	1.24E-02	3.97E-03	1.36E-03	4.75E-04	1.67E-04	6.04E-05	2.31E-05
	Xe137	<LLD	5.00E-02	9.12E-03	1.32E-04	2.77E-06	6.32E-08	1.47E-09	3.45E-11	<LLD	<LLD
	Xe138	6.17E-05	1.61E-03	1.11E-03	1.20E-04	1.86E-05	3.09E-06	5.24E-07	8.96E-08	1.56E-08	2.84E-09
	Total	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Halogens	I131	1.19E-04	1.55E+00	1.54E+00	1.55E-01	2.40E-02	3.87E-03	6.30E-04	1.04E-04	1.77E-05	3.27E-06
	I132	8.77E-04	5.92E-02	8.00E-02	1.08E-02	2.06E-03	3.90E-04	7.22E-05	1.32E-05	2.47E-06	4.91E-07
	I133	1.01E-03	3.38E-01	3.34E-01	3.34E-02	5.14E-03	8.23E-04	1.33E-04	2.18E-05	3.68E-06	6.74E-07
	I134	7.09E-04	9.68E-02	1.34E-01	1.66E-02	2.78E-03	4.52E-04	7.11E-05	1.10E-05	1.72E-06	2.87E-07
	I135	1.47E-03	9.88E-02	9.59E-02	9.43E-03	1.42E-03	2.24E-04	3.55E-05	5.71E-06	9.49E-07	1.71E-07
	Total	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Alkali metal	Cs134	<LLD	7.32E-02	7.28E-02	7.35E-03	1.14E-03	1.84E-04	3.00E-05	4.94E-06	8.44E-07	1.56E-07
	Cs137*	<LLD	4.72E-02	4.69E-02	4.74E-03	7.35E-04	1.19E-04	1.93E-05	3.19E-06	5.44E-07	1.00E-07
	Cs138	7.90E-04	4.29E-01	3.36E-01	2.45E-02	2.75E-03	3.22E-04	3.82E-05	4.59E-06	5.71E-07	7.71E-08
	Total	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Rb, Sb, Te	Rb88	1.20E-03	1.34E-01	9.29E-02	6.78E-03	1.07E-03	2.55E-04	7.65E-05	2.51E-05	8.61E-06	3.16E-06
	Rb89	1.40E-05	1.81E-01	1.12E-01	5.72E-03	4.52E-04	3.71E-05	3.08E-06	2.58E-07	2.24E-08	2.10E-09
	Te129	<LLD	1.00E-01	9.94E-02	1.00E-02	1.56E-03	2.51E-04	4.09E-05	6.75E-06	1.15E-06	2.12E-07
	Te132	<LLD	4.48E-01	4.45E-01	4.48E-02	6.93E-03	1.12E-03	1.81E-04	2.99E-05	5.09E-06	9.37E-07
	Te134	<LLD	4.17E-01	3.45E-01	2.71E-02	3.28E-03	4.13E-04	5.25E-05	6.76E-06	9.00E-07	1.30E-07
	Total	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
Alkaline ear	Sr89	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Sr91	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Y91	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Ba140	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare earths	Nb95	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Zr95	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Mo99	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	La140	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Br84	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Ru103	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

Auxiliary Building Atmospheric Isotopic (uCi/cc)

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Equivalents	Xe133eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-02	4.18E-02	4.27E-02	3.70E-02	4.99E-01	6.22E-01	4.47E-01	2.91E-01
	I131eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-03	4.45E-03	4.39E-03	4.01E-03	8.10E-02	8.45E-02	5.51E-02	3.30E-02
	Cs137eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	2.38E-03	2.35E-03	2.08E-03	3.65E-02	3.34E-02	1.89E-02	9.71E-03



Ctmt Breac	(cfm)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E+01	2.50E+01	2.50E+01	2.50E+01	9.55E+02	9.10E+02	8.65E+02	8.20E+02
Streaming V	(cf)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E+02	1.25E+02	1.25E+02	1.25E+02	4.78E+03	4.55E+03	4.33E+03	4.10E+03
	(cc)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E+06	3.54E+06	3.54E+06	3.54E+06	1.35E+08	1.29E+08	1.22E+08	1.16E+08

RADIOCHEMICAL DATA

Auxiliary Building Atmospheric Isotopic (uCi/cc)

		1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Equivalents	Xe133eq	1.75E-01	5.52E+00	5.54E+00	1.21E+00	3.81E-01	1.29E-01	4.48E-02	1.57E-02	5.64E-03	2.12E-03
	I131eq	1.87E-02	3.59E+00	3.96E+00	4.38E-01	7.15E-02	1.19E-02	1.96E-03	3.26E-04	5.56E-05	1.02E-05
	Cs137eq	4.74E-03	3.62E+00	2.82E+00	2.11E-01	2.54E-02	3.39E-03	5.01E-04	8.65E-05	1.85E-05	5.08E-06

Ctmt Breac	(cfm)	7.75E+02	7.30E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Streaming V	(cf)	3.88E+03	3.65E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	(cc)	1.10E+08	1.03E+08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

RADIOCHEMICAL DATA

Auxiliary Building Ventilation Stack Isotopic (uCi/cc)

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Noble gase	Kr85m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	7.39E-06	3.76E-05	4.40E-05	4.47E-05	< LLD	< LLD	< LLD	< LLD
	Kr85	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.94E-12	1.53E-11	2.15E-11	2.59E-11	< LLD	< LLD	< LLD	< LLD
	Kr87	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.14E-05	5.63E-05	6.46E-05	6.44E-05	< LLD	< LLD	< LLD	< LLD
	Kr88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.67E-05	8.42E-05	9.79E-05	9.92E-05	< LLD	< LLD	< LLD	< LLD
	Kr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe131m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	7.26E-12	4.77E-11	6.07E-11	7.11E-11	< LLD	< LLD	< LLD	< LLD
	Xe133	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	9.95E-05	5.14E-04	6.05E-04	6.20E-04	< LLD	< LLD	< LLD	< LLD
	Xe135m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	3.09E-05	1.30E-04	1.39E-04	1.26E-04	< LLD	< LLD	< LLD	< LLD
	Xe135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.51E-05	2.83E-04	3.32E-04	3.40E-04	< LLD	< LLD	< LLD	< LLD
	Xe137	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	2.59E-05	1.06E-04	1.12E-04	9.91E-05	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Halogens	I131	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.62E-06	6.65E-06	7.03E-06	6.87E-06	< LLD	< LLD	< LLD	< LLD
	I132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.78E-05	7.18E-05	7.54E-05	7.27E-05	< LLD	< LLD	< LLD	< LLD
	I133	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.43E-05	5.87E-05	6.20E-05	6.05E-05	< LLD	< LLD	< LLD	< LLD
	I134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	2.76E-05	1.08E-04	1.12E-04	1.05E-04	< LLD	< LLD	< LLD	< LLD
	I135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	2.29E-05	9.36E-05	9.87E-05	9.59E-05	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Alkali met	Cs134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs137*	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	4.14E-05	1.69E-04	1.78E-04	1.70E-04	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rb, Sb, T	Rb88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	2.42E-05	1.02E-04	1.11E-04	1.08E-04	< LLD	< LLD	< LLD	< LLD
	Rb89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	6.96E-06	2.43E-05	2.46E-05	2.11E-05	< LLD	< LLD	< LLD	< LLD
	Te129	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Alkaline e	Sr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Sr91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Y91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ba140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare eart	Nb95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Zr95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Mo99	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	La140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Br84	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ru103	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

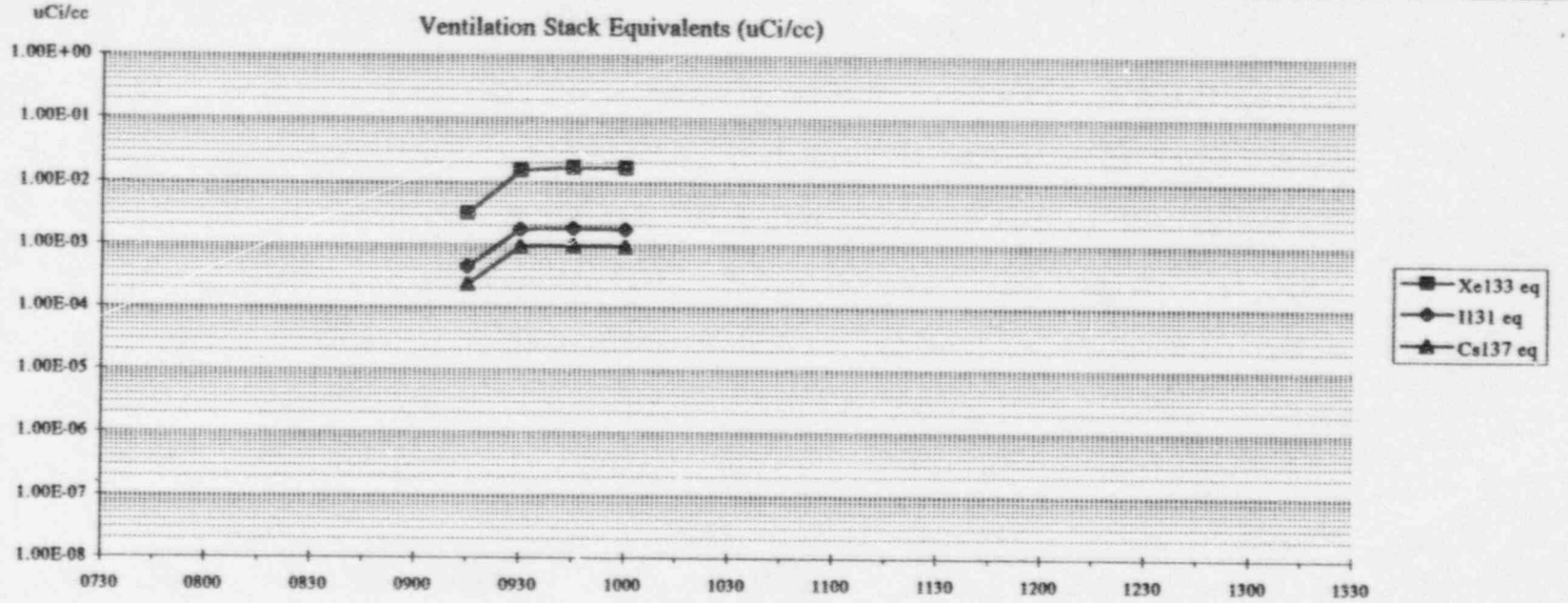
Auxiliary Building Ventilation Stack Isotopic (uCi/cc)

		1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Noble gase	Kr85m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr85	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr87	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Kr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe131m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe133	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe135m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe137	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Halogens	I131	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	I132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	I133	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	I134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	I135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Alkali met	Cs134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs137*	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rb, Sb, T	Rb88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Rb89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te129	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Alkaline e	Sr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Sr91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Y91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ba140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare eart	Nb95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Zr95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Mo99	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	La140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Br84	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ru103	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

Auxiliary Building Ventilation Stack Isotopic (uCi/cc)

	0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Equivalent Xe133e	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03	1.49E-02	1.68E-02	1.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I131eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	1.74E-03	1.82E-03	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs137eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	9.09E-04	9.59E-04	9.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00



		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Stack Flo	(cfm)	4.80E+04	4.80E+04	4.80E+04	4.80E+04	4.80E+04	4.80E+04	4.80E+04	4.80E+04	2.40E+04	2.40E+04	2.40E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	(cc/s)	8.16E+10	8.16E+10	8.16E+10	8.16E+10	8.16E+10	8.16E+10	8.16E+10	8.16E+10	4.08E+10	4.08E+10	4.08E+10	0.00E+00	0.00E+00	0.00E+00	0.00E+00

RADIOCHEMICAL DATA

Auxiliary Building Ventilation Stack Isotopic (uCi/cc)

	1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Equivalent Xe133e	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I131eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs137eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Stack Flo	(cfm)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	(cc/s)	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

RADIOCHEMICAL DATA

Rad Waste Building

Isotopic (uCi/cc) Cont

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Noble gases	Kr85m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	2.52E-06	6.19E-06	9.60E-06	1.24E-05	5.64E-05	1.41E-04	1.96E-04
	Kr85	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.42E-12	4.93E-12	9.73E-12	1.57E-11	7.49E-11	2.42E-10	4.26E-10
	Kr87	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	3.62E-06	8.45E-06	1.25E-05	1.53E-05	6.82E-05	1.57E-04	1.98E-04
	Kr88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.58E-06	1.35E-05	2.08E-05	2.65E-05	1.20E-04	2.94E-04	4.02E-04
	Kr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe133m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	4.51E-12	1.28E-11	2.15E-11	3.14E-11	2.39E-10	7.83E-10	1.31E-09
	Xe133	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	3.48E-05	8.75E-05	1.38E-04	1.83E-04	8.35E-04	2.16E-03	3.12E-03
	Xe135m	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	6.94E-06	1.28E-05	1.56E-05	1.47E-05	6.62E-05	1.11E-04	1.02E-04
	Xe135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.91E-05	4.76E-05	7.46E-05	9.75E-05	4.48E-04	1.14E-03	1.63E-03
	Xe137	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Xe138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.33E-06	9.39E-06	1.11E-05	9.85E-06	3.56E-05	4.68E-05	3.28E-05
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	7.79E-05	1.85E-04	2.82E-04	3.59E-04	1.63E-03	4.05E-03	5.68E-03
Halogens	I131	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	3.80E-07	6.02E-07	6.70E-07	6.74E-07	8.67E-06	1.46E-05	1.32E-05
	I132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	3.98E-06	6.15E-06	6.74E-06	6.56E-06	8.02E-05	1.25E-04	1.05E-04
	I133	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	3.34E-06	5.29E-06	5.87E-06	5.89E-06	7.54E-05	1.26E-04	1.13E-04
	I134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.68E-06	8.44E-06	9.06E-06	8.33E-06	9.33E-05	1.29E-04	9.63E-05
	I135	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.29E-06	8.31E-06	9.19E-06	9.15E-06	1.16E-04	1.90E-04	1.68E-04
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.87E-05	2.88E-05	3.15E-05	3.06E-05	3.73E-04	5.86E-04	4.96E-04
Alkali metals	Cs134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs137*	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Cs138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	9.12E-06	1.43E-05	1.59E-05	1.50E-05	1.39E-04	1.83E-04	1.27E-04
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	9.12E-06	1.43E-05	1.59E-05	1.50E-05	1.39E-04	1.83E-04	1.27E-04
Rb, Sb, Te	Rb88	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.65E-06	1.04E-05	1.38E-05	1.59E-05	1.09E-04	2.05E-04	2.34E-04
	Rb89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.05E-06	1.38E-06	1.40E-06	1.00E-06	7.71E-06	6.64E-06	3.07E-06
	Te129	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Te134	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	6.70E-06	1.18E-05	1.52E-05	1.69E-05	1.17E-04	2.12E-04	2.37E-04
Alkaline earth	Sr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Sr91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Y91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ba140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare earths	Nb95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Zr95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Mo99	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	La140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Br84	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ru103	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

Rad Waste Building

Isotopic (uCi/cc) Cont

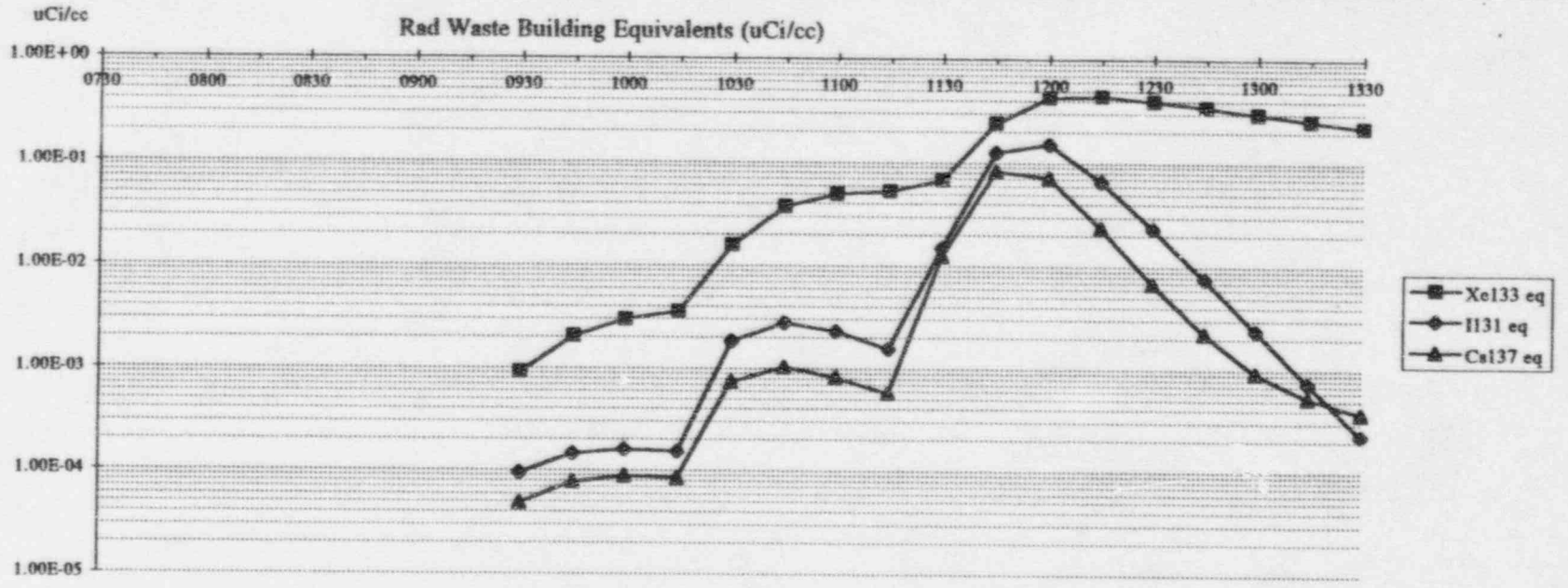
		1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Noble gases	Kr85m	2.20E-04	2.53E-04	6.33E-04	1.04E-03	1.04E-03	9.23E-04	7.93E-04	6.73E-04	5.69E-04	4.80E-04
	Kr85	5.81E-10	3.42E-06	4.45E-05	9.20E-05	9.85E-05	9.17E-05	8.21E-05	7.25E-05	6.37E-05	5.59E-05
	Kr87	2.01E-04	1.99E-04	3.46E-04	4.77E-04	4.27E-04	3.43E-04	2.67E-04	2.05E-04	1.57E-04	1.20E-04
	Kr88	4.39E-04	4.84E-04	1.07E-03	1.67E-03	1.63E-03	1.41E-03	1.19E-03	9.86E-04	8.15E-04	6.72E-04
	Kr89	< LLD	1.22E-05	2.94E-05	3.66E-06	1.53E-07	5.31E-09	1.76E-10	5.74E-12	< LLD	< LLD
	Xe133m	1.68E-09	7.31E-03	9.50E-02	1.96E-01	2.10E-01	1.95E-01	1.75E-01	1.54E-01	1.36E-01	1.19E-01
	Xe133	3.62E-03	1.13E-02	1.01E-01	2.05E-01	2.18E-01	2.03E-01	1.81E-01	1.60E-01	1.40E-01	1.23E-01
	Xe135m	7.61E-05	8.62E-05	4.76E-04	8.03E-04	5.73E-04	3.18E-04	1.59E-04	7.59E-05	3.52E-05	1.61E-05
	Xe135	1.86E-03	2.05E-03	3.67E-03	5.48E-03	5.50E-03	4.96E-03	4.34E-03	3.76E-03	3.24E-03	2.79E-03
	Xe137	< LLD	5.54E-05	1.63E-04	3.34E-05	2.47E-06	1.53E-07	9.05E-09	5.27E-10	3.04E-11	1.76E-12
	Xe138	1.83E-05	1.32E-05	3.69E-05	3.77E-05	1.94E-05	8.66E-06	3.71E-06	1.57E-06	6.59E-07	2.76E-07
	Total	6.43E-03	2.17E-02	2.02E-01	4.11E-01	4.38E-01	4.06E-01	3.63E-01	3.20E-01	2.81E-01	2.46E-01
Halogens	I131	9.84E-06	5.74E-03	4.75E-02	5.30E-02	2.21E-02	7.59E-03	2.44E-03	7.61E-04	2.35E-04	7.26E-05
	I132	7.26E-05	2.99E-04	2.67E-03	3.75E-03	1.91E-03	7.68E-04	2.80E-04	9.72E-05	3.28E-05	1.09E-05
	I133	8.36E-05	1.30E-03	1.03E-02	1.14E-02	4.74E-03	1.61E-03	5.14E-04	1.59E-04	4.89E-05	1.50E-05
	I134	5.87E-05	4.64E-04	4.41E-03	5.73E-03	2.57E-03	8.85E-04	2.74E-04	8.03E-05	2.28E-05	6.36E-06
	I135	1.22E-04	4.40E-04	2.98E-03	3.23E-03	1.31E-03	4.39E-04	1.37E-04	4.18E-05	1.26E-05	3.79E-06
	Total	3.47E-04	8.25E-03	6.79E-02	7.71E-02	3.27E-02	1.13E-02	3.64E-03	1.14E-03	3.52E-04	1.09E-04
Alkali metals	Cs134	< LLD	2.71E-04	2.25E-03	2.51E-03	1.05E-03	3.60E-04	1.16E-04	3.62E-05	1.12E-05	3.46E-06
	Cs137*	< LLD	1.75E-04	1.45E-03	1.62E-03	6.77E-04	2.32E-04	7.46E-05	2.33E-05	7.22E-06	2.23E-06
	Cs138	7.15E-05	1.46E-03	9.71E-03	8.22E-03	2.51E-03	6.26E-04	1.47E-04	3.37E-05	7.72E-06	1.80E-06
	Total	7.15E-05	1.91E-03	1.34E-02	1.24E-02	4.23E-03	1.22E-03	3.37E-04	9.32E-05	2.61E-05	7.49E-06
Rb, Sb, Te	Rb88	2.30E-04	6.24E-04	2.81E-03	2.38E-03	1.12E-03	7.01E-04	5.34E-04	4.32E-04	3.55E-04	2.92E-04
	Rb89	1.16E-06	5.36E-04	3.00E-03	1.89E-03	4.06E-04	7.12E-05	1.17E-05	1.86E-06	2.92E-07	4.60E-08
	Te129	< LLD	3.71E-04	3.07E-03	3.43E-03	1.43E-03	4.92E-04	1.58E-04	4.94E-05	1.53E-05	4.71E-06
	Te132	< LLD	1.66E-03	1.37E-02	1.53E-02	6.39E-03	2.19E-03	7.01E-04	2.19E-04	6.75E-05	2.08E-05
	Te134	< LLD	1.42E-03	1.01E-02	9.13E-03	2.99E-03	8.02E-04	2.01E-04	4.92E-05	1.19E-05	2.86E-06
	Total	2.31E-04	4.61E-03	3.27E-02	3.21E-02	1.23E-02	4.25E-03	1.61E-03	7.51E-04	4.50E-04	3.21E-04
Alkaline earth	Sr89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Sr91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Y91	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ba140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Rare earths	Nb95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Zr95	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Mo99	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	La140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Br84	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Ru103	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
	Total	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD

RADIOCHEMICAL DATA

Rad Waste Building

Isotopic (uCi/cc) Cont

		0730	0745	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030	1045	1100
Equivalents	Xe133eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	2.03E-03	2.95E-03	3.55E-03	1.58E-02	3.68E-02	4.88E-02
	I131eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.46E-05	1.45E-04	1.58E-04	1.51E-04	1.81E-03	2.76E-03	2.28E-03
	Cs137eq	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	7.68E-05	8.75E-05	8.45E-05	7.35E-04	1.03E-03	8.14E-04



RADIOCHEMICAL DATA

Rad Waste Building

Isotopic (uCi/cc) Cont

		1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
Equivalents	Xe133eq	5.28E-02	6.71E-02	2.40E-01	4.27E-01	4.36E-01	3.94E-01	3.44E-01	2.97E-01	2.56E-01	2.20E-01
	I131eq	1.55E-03	1.50E-02	1.26E-01	1.50E-01	6.60E-02	2.33E-02	7.59E-03	2.39E-03	7.38E-04	2.27E-04
	Cs137eq	5.70E-04	1.24E-02	8.20E-02	7.11E-02	2.34E-02	6.84E-03	2.21E-03	9.24E-04	5.27E-04	3.73E-04

RADIOCHEMICAL DATA

ISOTOPIC ANALYSIS REPORTS

An example of an isotopic analysis report for the RCS coolant is included under this heading. A complete set of reports, including the Containment Building Atmosphere, Containment Sump, Auxiliary Building Stack, Auxiliary Building Atmosphere and Radwaste Building Stack will be included in a controller packet to be issued during the controller briefing.

Reports are included for each time period indicated in the isotopic data summaries. Reports are to be issued to participants only upon proper operation of the PASS.

RADIOCHEMICAL DATA

POST ACCIDENT SAMPLING SYSTEM ANALYSIS REPORT

OPPD FT. CALHOUN CANBERRA SERIES-90

SAMPLE: RCS
DATA COLLECTED ON 14-NOV-95 AT 12:00
DECAY TO 0. DAYS, 0.0000 HOURS BEFORE THE START OF COLLECT

RADIONUCLIDE ANALYSIS REPORT

NUCLIDE	ACTIVITY CONCENTRATION IN uCi/gr				ENERGY (KEV)	COMPARISON
	MEASURED	ERROR	DECAY CORRECTED	ERROR	EXPECT	DIFF
Kr85m	5.26E-01	+-4.53E-02	5.26E-01	+-4.53E-02	151.32	
Kr85	5.57E-02	+-4.79E-03	5.57E-02	+-4.79E-03	514.00	
Kr87	2.22E-01	+-1.91E-02	2.22E-01	+-1.91E-02	402.58	
Kr88	8.24E-01	+-7.08E-02	8.24E-01	+-7.08E-02	196.28	
Kr89	3.44E-03	+-2.96E-04	3.44E-03	+-2.96E-04	220.90	
Xe131m	1.19E+02	+-1.02E+01	1.19E+02	+-1.02E+01	233.18	
Xe133	1.22E+02	+-1.05E+01	1.22E+02	+-1.05E+01	81.00	
Xe135m	7.58E-01	+-6.52E-02	7.58E-01	+-6.52E-02	526.62	
Xe135	2.43E+00	+-2.09E-01	2.43E+00	+-2.09E-01	249.74	
Xe137	2.99E-02	+-2.57E-03	2.99E-02	+-2.57E-03	455.40	
Xe138	2.46E-02	+-2.12E-03	2.46E-02	+-2.12E-03	258.31	
I131	9.31E+01	+-8.01E+00	9.31E+01	+-8.01E+00	364.46	
I132	6.42E+00	+-5.53E-01	6.42E+00	+-5.53E-01	667.68	
I133	2.01E+01	+-1.73E+00	2.01E+01	+-1.73E+00	529.89	
I134	9.95E+00	+-8.55E-01	9.95E+00	+-8.55E-01	847.03	
I135	5.66E+00	+-4.87E-01	5.66E+00	+-4.87E-01	1260.41	
Cs134	4.41E+00	+-3.79E-01	4.41E+00	+-3.79E-01	795.81	
Cs137*	2.84E+00	+-2.45E-01	2.84E+00	+-2.45E-01	649.00	
Cs138	1.49E+01	+-1.28E+00	1.49E+01	+-1.28E+00	1435.79	
Rb88	3.51E+00	+-3.02E-01	3.51E+00	+-3.02E-01	1836.01	
Rb89	3.51E+00	+-3.02E-01	3.51E+00	+-3.02E-01	1031.94	
Te129	6.02E+00	+-5.18E-01	6.02E+00	+-5.18E-01	111.57	
Te132	2.69E+01	+-2.31E+00	2.69E+01	+-2.31E+00	228.30	
Te134	1.64E+01	+-1.41E+00	1.64E+01	+-1.41E+00	767.20	
Sr89	< LLD	< LLD	< LLD	< LLD		
Sr91	< LLD	< LLD	< LLD	< LLD	1024.30	
Y91	< LLD	< LLD	< LLD	< LLD	1204.90	
Ba140	< LLD	< LLD	< LLD	< LLD	537.38	
Nb95	< LLD	< LLD	< LLD	< LLD	871.10	
Zr95	< LLD	< LLD	< LLD	< LLD	756.72	
Mo99	< LLD	< LLD	< LLD	< LLD	739.58	
La140	< LLD	< LLD	< LLD	< LLD	1596.49	
Br84	< LLD	< LLD	< LLD	< LLD	881.50	
Ru103	< LLD	< LLD	< LLD	< LLD	497.08	
TOTAL	4.59E+02	+-3.95E+01	4.59E+02	+-3.95E+01		

OMAHA PUBLIC POWER DISTRICT

FORT CALHOUN STATION

1995

EMERGENCY PREPAREDNESS EXERCISE MANUAL

VOLUME

4

CAUTION: THIS MANUAL CONTAINS CONFIDENTIAL EXERCISE INFORMATION THAT CAN NOT BE SHARED WITH EXERCISE PARTICIPANTS PRIOR TO THE 1995 EMERGENCY PREPAREDNESS EXERCISE SCHEDULED FOR NOVEMBER 14, 1995.

1995

FORT CALHOUN STATION

EMERGENCY PREPAREDNESS EXERCISE

TABLE OF CONTENTS

DOSE ASSESSMENT AND OFFSITE DATA

TABLE OF CONTENTS

DOSE ASSESSNEBT AND OFFSITE DATA

METEOROLOGICAL DATA SUMMARY

The summary for the meteorological data is provided under this heading.

The dominate stability class is B, unstable.

DOSE ASSESSMENT DATA and OFFSITE DATA

METEOROLOGICAL DATA SUMMARY

Time	Wind Direction (From)				Wind Speed (mph)		Delta Temp (°C/100m)		Ambient Temp. (°C)		Pasquill Class	Target Sectors
	60m	60m	10m	10m	10m	10m	10m	10m	10m	10m		
07:30	002.2	001.8	**000.0**	000.8	**2.0**	2.8	-1.3	**-1.4**	**10.0**	10.2	**D**	**J**
07:45	014.2	013.8	**012.0**	012.8	**2.6**	3.4	-1.4	**-1.5**	**10.9**	11.1	**D**	**K**
08:00	024.2	023.8	**022.0**	022.8	**3.0**	3.8	-1.5	**-1.6**	**11.8**	12.0	**C**	**K**
08:15	027.2	026.8	**026.0**	025.8	**3.3**	4.1	-1.6	**-1.7**	**12.7**	12.9	**C**	**K**
08:30	036.0	035.6	**033.8**	034.6	**3.7**	4.5	-1.7	**-1.8**	**13.6**	13.8	**B**	**L**
08:45	036.0	035.6	**033.8**	034.6	**4.8**	5.6	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
09:00	036.0	035.6	**033.8**	034.6	**4.8**	5.6	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
09:15	036.0	035.6	**033.8**	034.6	**4.8**	5.6	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
09:30	036.0	035.6	**033.8**	034.6	**4.8**	5.6	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
09:45	036.0	035.6	**033.8**	034.6	**4.8**	5.6	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
10:00	036.0	035.6	**033.8**	034.6	**4.8**	5.6	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
10:15	036.0	035.6	**033.8**	034.6	**6.0**	6.8	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
10:30	036.0	035.6	**033.8**	034.6	**6.5**	7.3	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
10:45	036.0	035.6	**033.8**	034.6	**6.5**	7.3	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
11:00	036.0	035.6	**033.8**	034.6	**6.8**	7.6	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
11:15	036.0	035.6	**033.8**	034.6	**6.8**	7.6	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
11:30	036.0	035.6	**033.8**	034.6	**7.0**	7.8	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
11:45	036.0	035.6	**033.8**	034.6	**8.0**	8.8	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
12:00	036.0	035.6	**033.8**	034.6	**8.0**	8.8	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
12:15	036.0	035.6	**033.8**	034.6	**13.0**	13.8	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
12:30	036.0	035.6	**033.8**	034.6	**13.0**	13.8	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
12:45	036.0	035.6	**033.8**	034.6	**13.0**	13.8	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
13:00	036.0	035.6	**033.8**	034.6	**13.0**	13.8	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
13:15	036.0	035.6	**033.8**	034.6	**13.0**	13.8	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**
13:30	036.0	035.6	**033.8**	034.6	**13.0**	13.8	-1.7	**-1.8**	**14.0**	14.2	**B**	**L**

Note:

Bold faced data (first set of data for 10m elevation) is data used to calculate offsite radiological releases.

Pasquill Class Definitions

x <= -1.9	very unstabl	A
-1.9 < x <= -1.7	unstable	B
-1.7 < x <= -1.5	slightly unstab	C
-1.5 < x <= -0.5	moderate	D
-0.5 < x <= +1.5	slightly stabl	E
+1.5 < x <= +4.0	stable	F
x > +4.0	very stable	G

Meteorological Forecast

11/14/95: Cloudy start to the day with clearing in the lat. morning. Unseasonably warm temperatures expected from a low of 50°F to a high of 60°F. Winds from the northeast of about 5-15 mph are expected for most of the day.

DOSE ASSESSMENT AND OFFSITE DATA
ERFCS DISPLAY - MET AND RAD DATA FC-197

An example of the emergency response facility computer (ERFCS) display, "Met and Rad Data FC-197" is included under this heading. A complete set of displays is included in a message packet to be issued in event of failure of the simulator or the simulator ERFCS. Normally Page 197 will be available to participants using the simulator ERFCS.

I. METEOROLOGICAL DATA (15 MINUTE AVERAGES)

1. WIND SPEED AT 10 METERS (MPH)	4.8 5.6			
2. WIND DIRECTION FROM (DEGREES)	10M	45.0 45.8	60M	47.2 46.8
3. AMBIENT TEMPERATURE 10 METERS (DEG C)		14.0		14.2
4. TEMPERATURE DIFFERENCE (DEG C/100 METERS)		-1.8		-1.7

II. RW BLDG STACK

1. FLOW (F6699)	2.05E+04	CFM
2. RM043	3.60E+01	CPM

III. AUX BLDG STACK

1. FLOW (F758)	4.83E+04	CFM
* 2. RM052	5.80E-01	CPM
2. RM062	5.00E+01	CPM
3. RM063	1.00E-03	uCI/CC
4. RM044A	1.00E-01	MR/HR
RM044B	1.00E-01	MR/HR

NOTE: * - VERIFY MONITOR IS SAMPLING FROM STACK OR CONTAINMENT

IV. CONDENSER/MAIN STEAM

1. RM057	3.60E+01	CPM
2. RM064	1.90E+01	CPM

SAMPLING LN A OFF
SAMPLING LN B OFF

V. CONTAINMENT LEAK

1. RM070	1.32E+01	MR/HR
2. RM071	4.00E+00	MR/HR
3. RM072	2.60E+00	MR/HR
4. RM073	2.00E+02	MR/HR
5. RM074	2.18E+01	MR/HR
6. RM075	1.12E+01	MR/HR
7. RM091A	1.77E-02	R/HR
RM091B	8.72E-03	R/HR

MET AND RAD DATA FC-197

PAGE 197

RX | VAX | I | P

CHR | RCS | CI |

14 NOV 95

MODE 0 SELECTION AUTOMATIC 07 : 30 : 00

SAFEGUARD SIGNALS

PPLS	SIAS	DAS1
CPHS	CIAS	DAS2
CRHS	VIAS	SS1
RAS	STLS	SS2
CSAS		

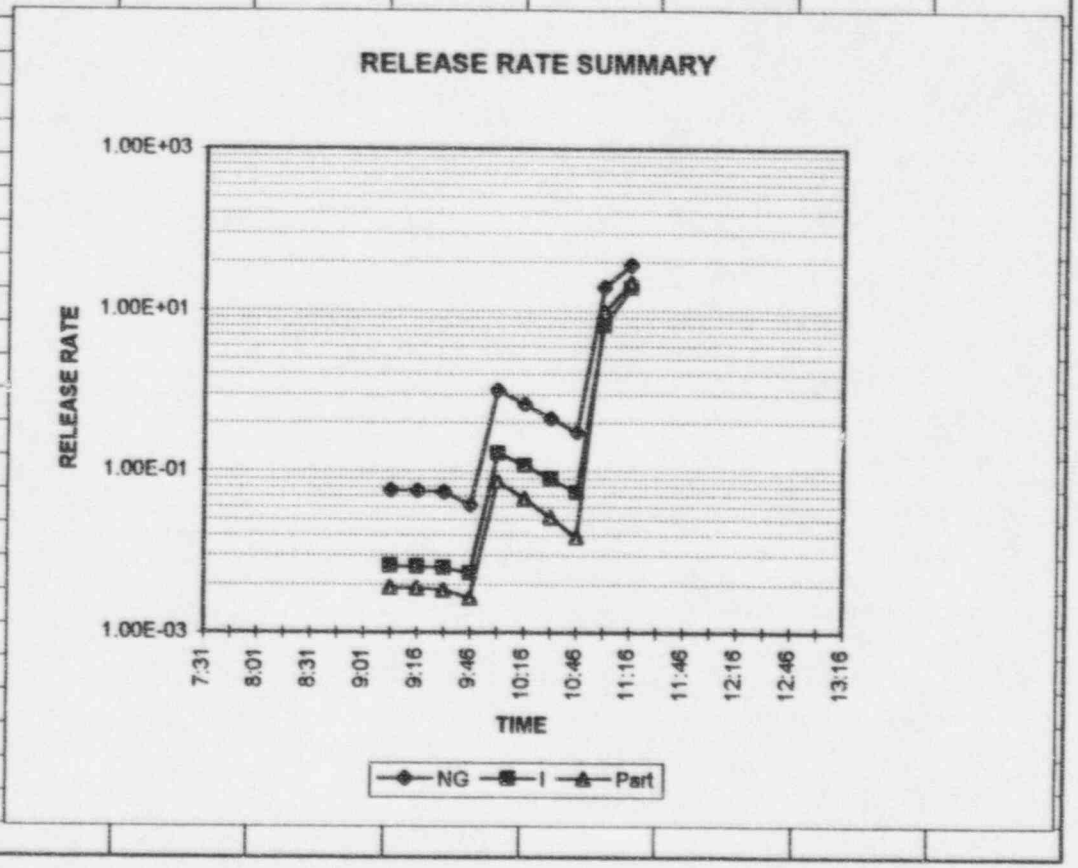
DOSE ASSESSMENT AND OFFSITE DATA

RELEASE RATE SUMMARY

The scenario release rate summary is included under this heading. The release rate summary is the total release taking place during the scenario and is based on the RCS equivalent concentration of Xe-133, I-131 and Cs-137 being released at the leak downstream of HCV-348 in the Auxiliary Building. During the scenario, the release will exit the plant via the Auxiliary Building Stack, the Radwaste Building Stack and out the broken windows in the Radwaste Building. The release begins at 0901 and is assumed to be terminated at about 1130.

RELEASE RATE (Ci/sec) SUMMARY

	Release Rate (Ci/s)		
	NG	I	Part
7:31	0.00E+00	0.00E+00	0.00E+00
7:46	0.00E+00	0.00E+00	0.00E+00
8:01	0.00E+00	0.00E+00	0.00E+00
8:16	0.00E+00	0.00E+00	0.00E+00
8:31	0.00E+00	0.00E+00	0.00E+00
8:46	0.00E+00	0.00E+00	0.00E+00
9:01	0.00E+00	0.00E+00	0.00E+00
9:01	5.73E-02	6.68E-03	3.59E-03
9:16	5.63E-02	6.56E-03	3.52E-03
9:31	5.41E-02	6.30E-03	3.39E-03
9:46	3.71E-02	5.39E-03	2.72E-03
10:01	9.97E-01	1.65E-01	7.41E-02
10:16	6.61E-01	1.16E-01	4.51E-02
10:31	4.47E-01	7.94E-02	2.64E-02
10:46	3.05E-01	5.37E-02	1.51E-02
11:01	1.94E+01	6.47E+00	9.33E+00
11:16	3.63E+01	1.89E+01	2.22E+01
11:31	0.00E+00	0.00E+00	0.00E+00
11:46	0.00E+00	0.00E+00	0.00E+00
12:01	0.00E+00	0.00E+00	0.00E+00
12:16	0.00E+00	0.00E+00	0.00E+00
12:31	0.00E+00	0.00E+00	0.00E+00
12:46	0.00E+00	0.00E+00	0.00E+00
13:01	0.00E+00	0.00E+00	0.00E+00
13:16	0.00E+00	0.00E+00	0.00E+00



DOSE ASSESSMENT AND OFFSITE DATA

PLUME EXPOSURE DATA AND FIELD TEAM DATA

This heading includes the Plume Exposure Data and the Field Team Data (for on and offsite). Several maps are included for reference. These maps include a "Site Boundary/Owner Controlled Area, " and "Fort Calhoun Station" map. A "Plume Map" is included for each plume segment.

Each plume segment includes, for Evaluator/Controller reference only, a sheet labeled Dose Assessment Data. The dose assessment data will be representative of the data that may be determined by the players performing dose assessment . The dose assessment data was calculated using Fort Calhoun Station's dose assessment software "EAGLE," and the meteorological and release rate data found in this section.

Each plume segment also includes field team data designed for Nebraska, OPPD and Iowa field teams. This data is to be provided to the field teams, if earned, for the time and locations that sampling is performed. A plume segment is valid for a time period of 15 minutes. Data is available for the following:

1. Site Boundary (SB) on the plume center line.
2. The 2, 3, 4, 5, 6, 8, and 10 Mile Circular Polar-Grids on the plume center line.
3. The following Special-Interest Receptors Goedekr (Milk), Sass Dairy, Japp Dairy and the Smith Dairy.
4. Emergency Monitoring Locations J1, J3, K1-K10, L1-L10 and M6.
5. On the plume center line at 0.1, 0.3 and 0.5 mile from the plant (Owner Controlled Area).

Controllers may interpret dose rates for other locations using the contour scales on the Plume Segment Maps.

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:	1		9:01	to	9:16		
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	1.61E-04	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	0.00E+00
K2	1.18E-04	1.18E-04	0.00E+00	8.83E-04	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	0.00E+00
0.3Mile	0.00E+00	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00
			PLUME SEGMENT:				1

NEBRASKA FIELD TEAM DATA

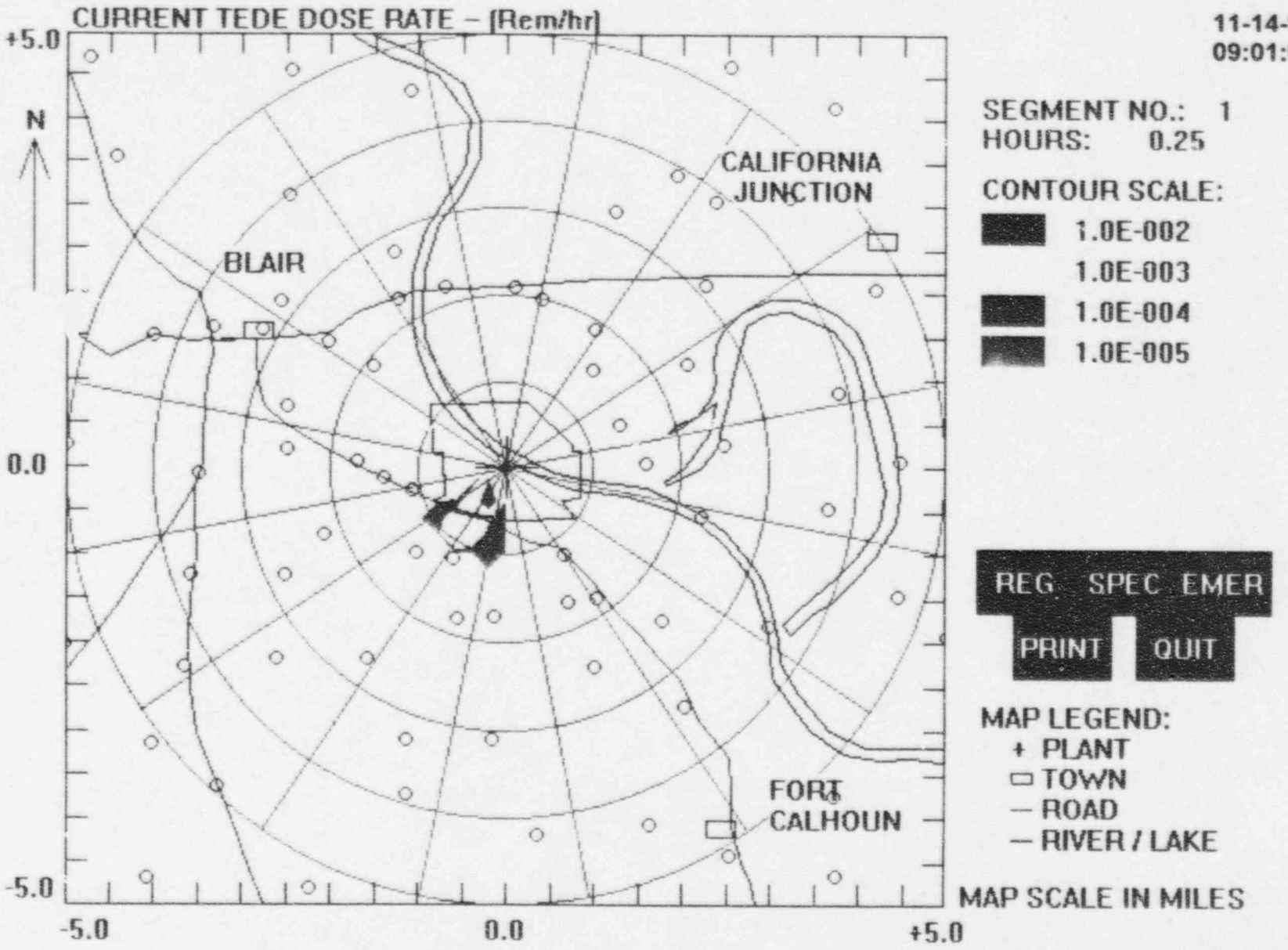
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	1	1				TIME:	9:01	to	9:16	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K2	0.00E+00	0.00E+00	0.00E+00	1.30E-01	1.30E-01	1.18E-01	1.18E-01	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.3Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						PLUME SEGMENT:				1

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	1	1	TIME:	9:01	to	9:16			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K2	0.00E+00	0.00E+00	0.00E+00	1.30E-01	1.30E-01	1.18E-01	1.18E-01	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.3Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
					PLUME SEGMENT:				1

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	1	1	TIME:	9:01	to	9:16			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K2	0.00E+00	0.00E+00	0.00E+00	1.30E-01	1.30E-01	1.18E-01	1.18E-01	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.3Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
					PLUME SEGMENT:				1


CURRENT TEDE DOSE RATE – [Rem/hr]
11-14-95
09:01:00
+5.0
N
0.0
-5.0
-5.0
0.0
+5.0
BLAIR
CALIFORNIA JUNCTION
FORT CALHOUN
SEGMENT NO.: 1
HOURS: 0.25
CONTOUR SCALE:
1.0E-002
1.0E-003
1.0E-004
1.0E-005
REG
SPEC
EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		2		9:16	to	9:31	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	7.07E-04	7.07E-04	0.00E+00	5.45E-03	0.00E+00	1.86E-08	0.00E+00
2 Mile	1.58E-04	1.58E-04	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	5.27E-04	5.27E-04	0.00E+00	4.07E-03	0.00E+00	1.44E-08	0.00E+00
K2	4.11E-04	4.11E-04	0.00E+00	3.20E-03	0.00E+00	1.23E-08	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.27E-04	2.27E-04	0.00E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.06E-03	1.06E-03	0.00E+00	8.18E-03	0.00E+00	2.79E-08	0.00E+00
0.3Mile	7.78E-04	7.78E-04	0.00E+00	6.00E-03	0.00E+00	2.05E-08	0.00E+00
0.5 Mile	7.07E-04	7.07E-04	0.00E+00	5.45E-03	0.00E+00	1.86E-08	0.00E+00
			PLUME SEGMENT:				2

NEBRASKA FIELD TEAM DATA

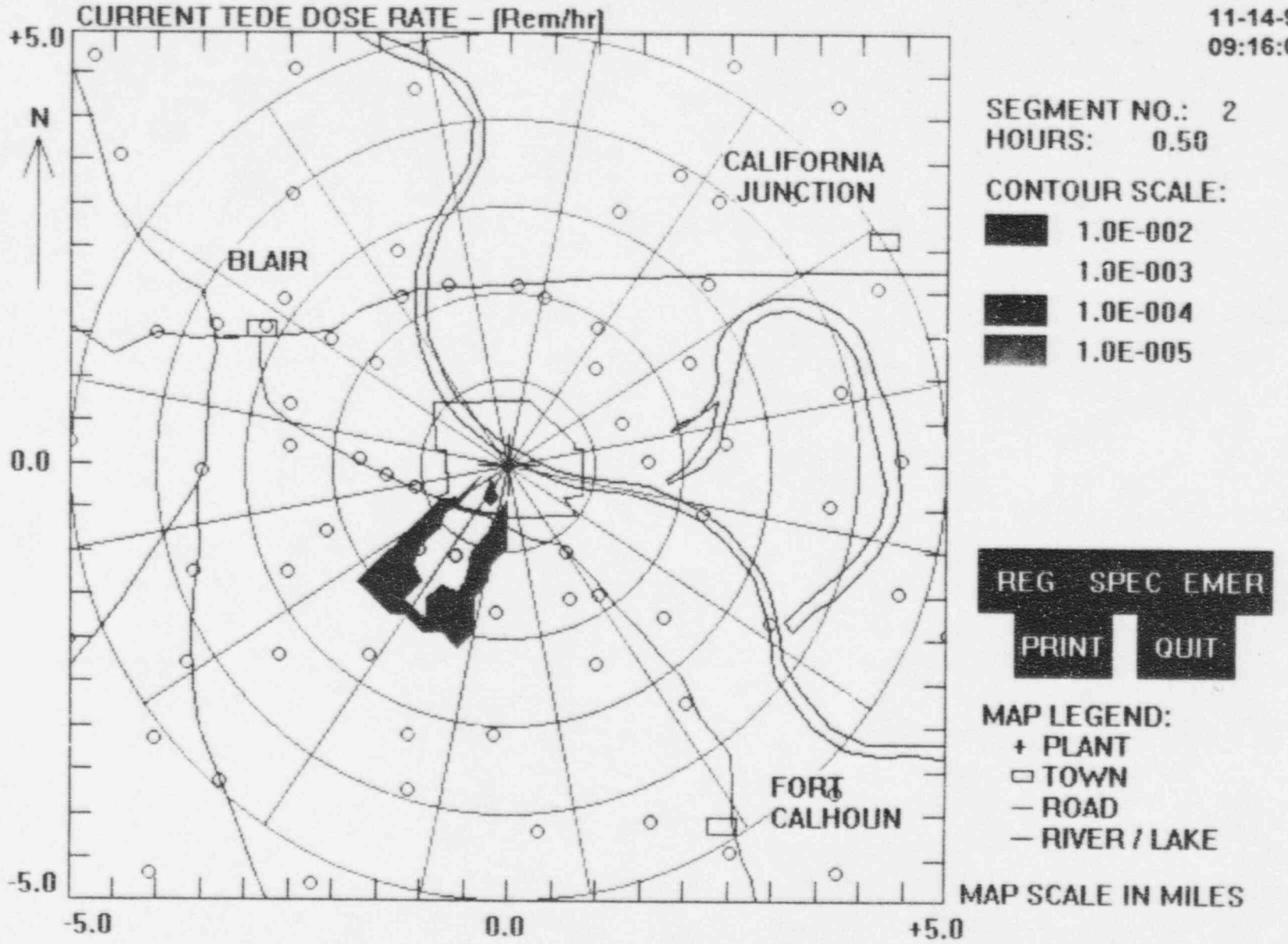
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	2	2				TIME:	9:16	to	9:31	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	2.34E+03	1.75E+03	3.51E+02	7.78E-01	7.78E-01	7.07E-01	7.07E-01	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.74E-01	1.74E-01	1.58E-01	1.58E-01	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	1.81E+03	1.36E+03	2.72E+02	5.80E-01	5.80E-01	5.27E-01	5.27E-01	0.00E+00	0.00E+00	0.00E+00
K2	1.55E+03	1.16E+03	2.32E+02	4.52E-01	4.52E-01	4.11E-01	4.11E-01	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.50E-01	2.50E-01	2.27E-01	2.27E-01	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	3.51E+03	2.63E+03	5.26E+02	1.17E+00	1.17E+00	1.06E+00	1.06E+00	0.00E+00	0.00E+00	0.00E+00
0.3Mile	2.57E+03	1.93E+03	3.86E+02	8.55E-01	8.55E-01	7.78E-01	7.78E-01	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	2.34E+03	1.75E+03	3.51E+02	7.78E-01	7.78E-01	7.07E-01	7.07E-01	0.00E+00	0.00E+00	0.00E+00
						PLUME SEGMENT:				2

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	2	2	TIME:	9:16	to	9:31			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	1.17E+03	0.00E+00	7.78E-01	7.78E-01	7.07E-01	7.07E-01	0.00E+00	1.17E+03
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.74E-01	1.74E-01	1.58E-01	1.58E-01	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	9.06E+02	0.00E+00	5.80E-01	5.80E-01	5.27E-01	5.27E-01	0.00E+00	9.06E+02
K2	0.00E+00	7.74E+02	0.00E+00	4.52E-01	4.52E-01	4.11E-01	4.11E-01	0.00E+00	7.74E+02
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.50E-01	2.50E-01	2.27E-01	2.27E-01	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	1.75E+03	0.00E+00	1.17E+00	1.17E+00	1.06E+00	1.06E+00	0.00E+00	1.75E+03
0.3Mile	0.00E+00	1.29E+03	0.00E+00	8.55E-01	8.55E-01	7.78E-01	7.78E-01	0.00E+00	1.29E+03
0.5 Mile	0.00E+00	1.17E+03	0.00E+00	7.78E-01	7.78E-01	7.07E-01	7.07E-01	0.00E+00	1.17E+03
					PLUME SEGMENT:				**2**

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	2	2	TIME:	9:16	to	9:31			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	1.17E+03	0.00E+00	7.78E-01	7.78E-01	7.07E-01	7.07E-01	0.00E+00	1.17E+03
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.74E-01	1.74E-01	1.58E-01	1.58E-01	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	9.06E+02	0.00E+00	5.80E-01	5.80E-01	5.27E-01	5.27E-01	0.00E+00	9.06E+02
K2	0.00E+00	7.74E+02	0.00E+00	4.52E-01	4.52E-01	4.11E-01	4.11E-01	0.00E+00	7.74E+02
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.50E-01	2.50E-01	2.27E-01	2.27E-01	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	1.75E+03	0.00E+00	1.17E+00	1.17E+00	1.06E+00	1.06E+00	0.00E+00	1.75E+03
0.3Mile	0.00E+00	1.29E+03	0.00E+00	8.55E-01	8.55E-01	7.78E-01	7.78E-01	0.00E+00	1.29E+03
0.5 Mile	0.00E+00	1.17E+03	0.00E+00	7.78E-01	7.78E-01	7.07E-01	7.07E-01	0.00E+00	1.17E+03
					PLUME SEGMENT:				2


CURRENT TEDE DOSE RATE – [Rem/hr]
11-14-95
09:16:00
+5.0
N
0.0
-5.0
-5.0
0.0
+5.0
BLAIR
CALIFORNIA
JUNCTION
FORT
CALHOUN
SEGMENT NO.: 2
HOURS: 0.50
CONTOUR SCALE:
1.0E-002
1.0E-003
1.0E-004
1.0E-005
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		3		9:31	to	9:46	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	6.94E-04	6.94E-04	0.00E+00	5.35E-03	0.00E+00	1.83E-08	0.00E+00
2 Mile	1.58E-04	1.58E-04	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	5.17E-04	5.17E-04	0.00E+00	4.00E-03	0.00E+00	1.41E-08	0.00E+00
K2	4.03E-04	4.03E-04	0.00E+00	3.14E-03	0.00E+00	1.21E-08	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.23E-04	2.23E-04	0.00E+00	1.72E-03	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.04E-03	1.04E-03	0.00E+00	8.03E-03	0.00E+00	2.75E-08	0.00E+00
0.3Mile	7.63E-04	7.63E-04	0.00E+00	5.89E-03	0.00E+00	2.01E-08	0.00E+00
0.5 Mile	6.94E-04	6.94E-04	0.00E+00	5.35E-03	0.00E+00	1.83E-08	0.00E+00
			PLUME SEGMENT:				3

NEBRASKA FIELD TEAM DATA

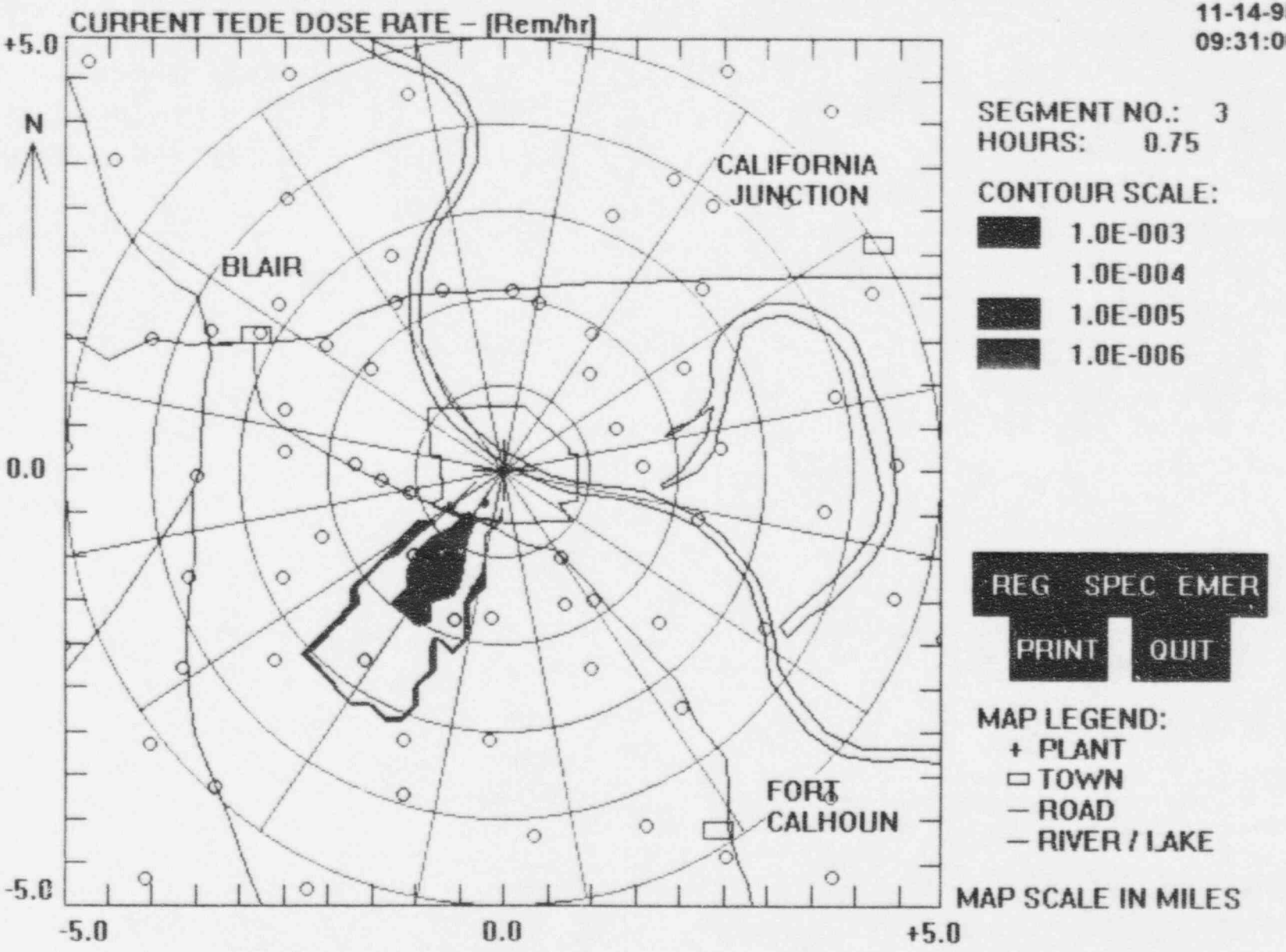
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	3	3				TIME:	9:31	to	9:46	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	2.30E+03	1.73E+03	3.45E+02	7.63E-01	7.63E-01	6.94E-01	6.94E-01	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.74E-01	1.74E-01	1.58E-01	1.58E-01	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	1.77E+03	1.33E+03	2.66E+02	5.69E-01	5.69E-01	5.17E-01	5.17E-01	0.00E+00	0.00E+00	0.00E+00
K2	1.52E+03	1.14E+03	2.28E+02	4.43E-01	4.43E-01	4.03E-01	4.03E-01	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.45E-01	2.45E-01	2.23E-01	2.23E-01	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	3.45E+03	2.59E+03	5.18E+02	1.15E+00	1.15E+00	1.04E+00	1.04E+00	0.00E+00	0.00E+00	0.00E+00
0.3Mile	2.53E+03	1.90E+03	3.80E+02	8.40E-01	8.40E-01	7.63E-01	7.63E-01	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	2.30E+03	1.73E+03	3.45E+02	7.63E-01	7.63E-01	6.94E-01	6.94E-01	0.00E+00	0.00E+00	0.00E+00
						PLUME SEGMENT:				3

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	3	3	TIME:	9:31	to	9:46			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	1.15E+03	0.00E+00	7.63E-01	7.63E-01	6.94E-01	6.94E-01	0.00E+00	1.15E+03
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.74E-01	1.74E-01	1.58E-01	1.58E-01	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	8.87E+02	0.00E+00	5.69E-01	5.69E-01	5.17E-01	5.17E-01	0.00E+00	8.87E+02
K2	0.00E+00	7.61E+02	0.00E+00	4.43E-01	4.43E-01	4.03E-01	4.03E-01	0.00E+00	7.61E+02
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.45E-01	2.45E-01	2.23E-01	2.23E-01	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	1.73E+03	0.00E+00	1.15E+00	1.15E+00	1.04E+00	1.04E+00	0.00E+00	1.73E+03
0.3Mile	0.00E+00	1.27E+03	0.00E+00	8.40E-01	8.40E-01	7.63E-01	7.63E-01	0.00E+00	1.27E+03
0.5 Mile	0.00E+00	1.15E+03	0.00E+00	7.63E-01	7.63E-01	6.94E-01	6.94E-01	0.00E+00	1.15E+03
					PLUME SEGMENT:				3

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	3	3	TIME:	9:31	to	9:46			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RSO-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	1.15E+03	0.00E+00	7.63E-01	7.63E-01	6.94E-01	6.94E-01	0.00E+00	1.15E+03
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.74E-01	1.74E-01	1.58E-01	1.58E-01	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	8.87E+02	0.00E+00	5.69E-01	5.69E-01	5.17E-01	5.17E-01	0.00E+00	8.87E+02
K2	0.00E+00	7.61E+02	0.00E+00	4.43E-01	4.43E-01	4.03E-01	4.03E-01	0.00E+00	7.61E+02
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.45E-01	2.45E-01	2.23E-01	2.23E-01	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	1.73E+03	0.00E+00	1.15E+00	1.15E+00	1.04E+00	1.04E+00	0.00E+00	1.73E+03
0.3Mile	0.00E+00	1.27E+03	0.00E+00	8.40E-01	8.40E-01	7.63E-01	7.63E-01	0.00E+00	1.27E+03
0.5 Mile	0.00E+00	1.15E+03	0.00E+00	7.63E-01	7.63E-01	6.94E-01	6.94E-01	0.00E+00	1.15E+03
					PLUME SEGMENT:				**3**


CURRENT TEDE DOSE RATE – [Rem/hr]
11-14-95
09:31:00
+5.0
N
0.0
-5.0
-5.0
0.0
+5.0
BLAIR
CALIFORNIA
JUNCTION
FORT
CALHOUN
SEGMENT NO.: 3
HOURS: 0.75
CONTOUR SCALE:
1.0E-003
1.0E-004
1.0E-005
1.0E-006
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		4		9:46	to	10:01	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	6.67E-04	6.67E-04	0.00E+00	5.14E-03	0.00E+00	1.76E-08	0.00E+00
2 Mile	1.55E-04	1.55E-04	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	4.98E-04	4.98E-04	0.00E+00	3.84E-03	0.00E+00	1.36E-08	0.00E+00
K2	3.88E-04	3.88E-04	0.00E+00	3.02E-03	0.00E+00	1.16E-08	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.14E-04	2.14E-04	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.00E-03	1.00E-03	0.00E+00	7.71E-03	0.00E+00	2.64E-08	0.00E+00
0.3Mile	7.34E-04	7.34E-04	0.00E+00	5.65E-03	0.00E+00	1.94E-08	0.00E+00
0.5 Mile	6.67E-04	6.67E-04	0.00E+00	5.14E-03	0.00E+00	1.76E-08	0.00E+00
			PLUME SEGMENT:				4

NEBRASKA FIELD TEAM DATA

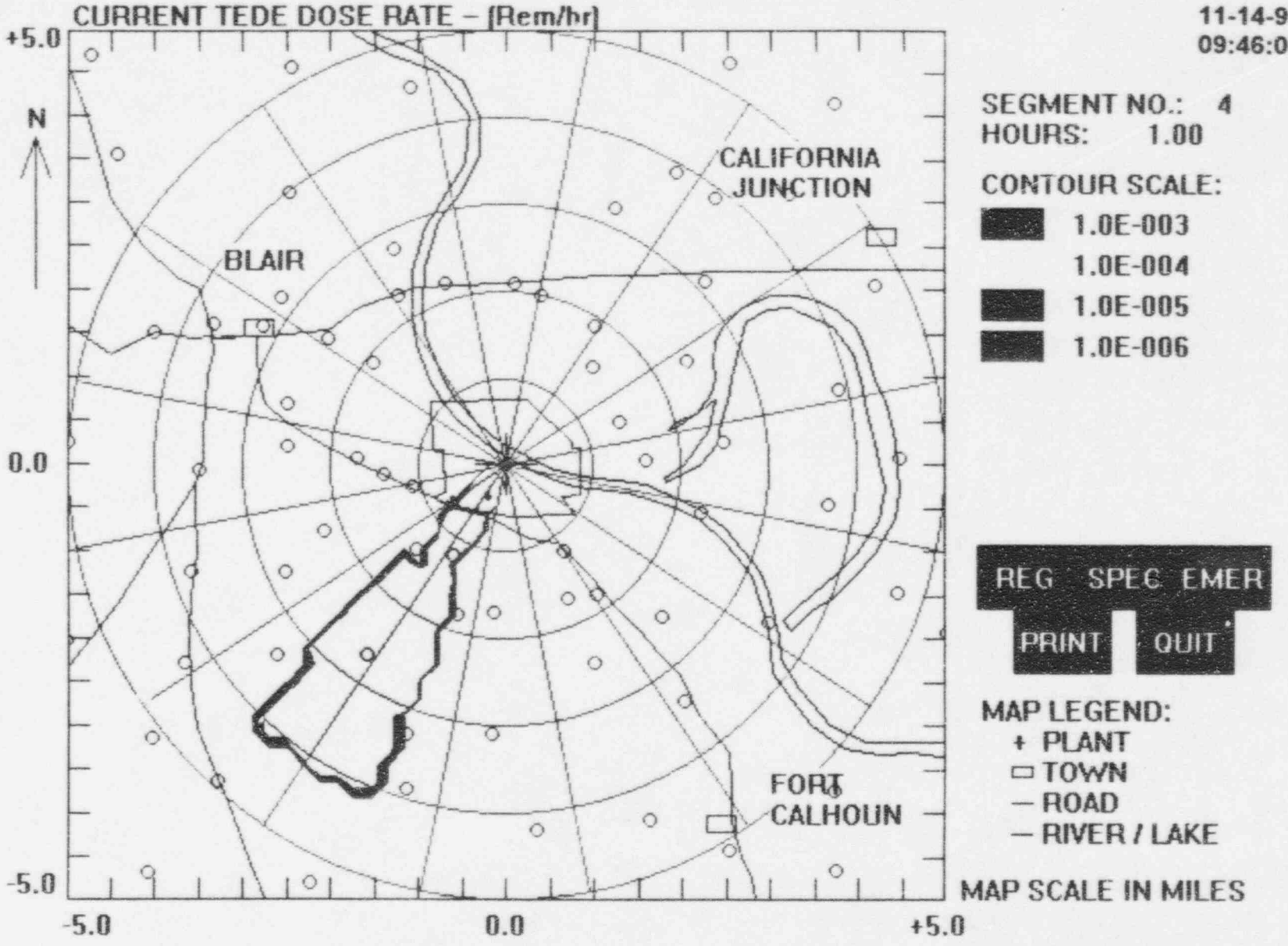
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	4	4				TIME:	9:46	to	10:01	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	2.21E+03	1.66E+03	3.32E+02	7.34E-01	7.34E-01	6.67E-01	6.67E-01	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.71E-01	1.71E-01	1.55E-01	1.55E-01	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	1.71E+03	1.28E+03	2.57E+02	5.48E-01	5.48E-01	4.98E-01	4.98E-01	0.00E+00	0.00E+00	0.00E+00
K2	1.46E+03	1.09E+03	2.19E+02	4.27E-01	4.27E-01	3.88E-01	3.88E-01	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.35E-01	2.35E-01	2.14E-01	2.14E-01	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	3.32E+03	2.49E+03	4.98E+02	1.10E+00	1.10E+00	1.00E+00	1.00E+00	0.00E+00	0.00E+00	0.00E+00
0.3Mile	2.43E+03	1.83E+03	3.65E+02	8.07E-01	8.07E-01	7.34E-01	7.34E-01	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	2.21E+03	1.66E+03	3.32E+02	7.34E-01	7.34E-01	6.67E-01	6.67E-01	0.00E+00	0.00E+00	0.00E+00
						PLUME SEGMENT:				4

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	4	4	TIME:	9:46	to	10:01			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	1.11E+03	0.00E+00	7.34E-01	7.34E-01	6.67E-01	6.67E-01	0.00E+00	1.11E+03
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.71E-01	1.71E-01	1.55E-01	1.55E-01	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	8.55E+02	0.00E+00	5.48E-01	5.48E-01	4.98E-01	4.98E-01	0.00E+00	8.55E+02
K2	0.00E+00	7.30E+02	0.00E+00	4.27E-01	4.27E-01	3.88E-01	3.88E-01	0.00E+00	7.30E+02
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.35E-01	2.35E-01	2.14E-01	2.14E-01	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	1.66E+03	0.00E+00	1.10E+00	1.10E+00	1.00E+00	1.00E+00	0.00E+00	1.66E+03
0.3Mile	0.00E+00	1.22E+03	0.00E+00	8.07E-01	8.07E-01	7.34E-01	7.34E-01	0.00E+00	1.22E+03
0.5 Mile	0.00E+00	1.11E+03	0.00E+00	7.34E-01	7.34E-01	6.67E-01	6.67E-01	0.00E+00	1.11E+03
					PLUME SEGMENT:				**4**

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	4	4	TIME:	9:46	to	10:01			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	1.11E+03	0.00E+00	7.34E-01	7.34E-01	6.67E-01	6.67E-01	0.00E+00	1.11E+03
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.71E-01	1.71E-01	1.55E-01	1.55E-01	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	8.55E+02	0.00E+00	5.48E-01	5.48E-01	4.98E-01	4.98E-01	0.00E+00	8.55E+02
K2	0.00E+00	7.30E+02	0.00E+00	4.27E-01	4.27E-01	3.88E-01	3.88E-01	0.00E+00	7.30E+02
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.35E-01	2.35E-01	2.14E-01	2.14E-01	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	1.66E+03	0.00E+00	1.10E+00	1.10E+00	1.00E+00	1.00E+00	0.00E+00	1.66E+03
0.3Mile	0.00E+00	1.22E+03	0.00E+00	8.07E-01	8.07E-01	7.34E-01	7.34E-01	0.00E+00	1.22E+03
0.5 Mile	0.00E+00	1.11E+03	0.00E+00	7.34E-01	7.34E-01	6.67E-01	6.67E-01	0.00E+00	1.11E+03
					PLUME SEGMENT:				**4**


CURRENT TEDE DOSE RATE – (Rem/hr)
11-14-95
09:46:00
+5.0
N
0.0
-5.0
-5.0
0.0
+5.0
CALIFORNIA JUNCTION
BLAIR
FORT CALHOUN
SEGMENT NO.: 4
HOURS: 1.00
CONTOUR SCALE:
1.0E-003
1.0E-004
1.0E-005
1.0E-006
REG
SPEC
EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		5		10:01	to	10:16	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	5.36E-04	5.36E-04	0.00E+00	4.36E-03	0.00E+00	1.34E-08	0.00E+00
2 Mile	1.49E-04	1.49E-04	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	4.00E-04	4.00E+04	0.00E+00	3.26E-03	0.00E+00	1.03E-08	0.00E+00
K2	3.12E-04	3.12E-04	0.00E+00	2.56E-03	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	1.72E-04	1.72E-04	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	8.04E-04	8.04E-04	0.00E+00	6.54E-03	0.00E+00	2.01E-08	0.00E+00
0.3Mile	5.90E-04	5.90E-04	0.00E+00	4.80E-03	0.00E+00	1.47E-08	0.00E+00
0.5 Mile	5.36E-04	5.36E-04	0.00E+00	4.36E-03	0.00E+00	1.34E-08	0.00E+00
			PLUME SEGMENT:				5

NEBRASKA FIELD TEAM DATA

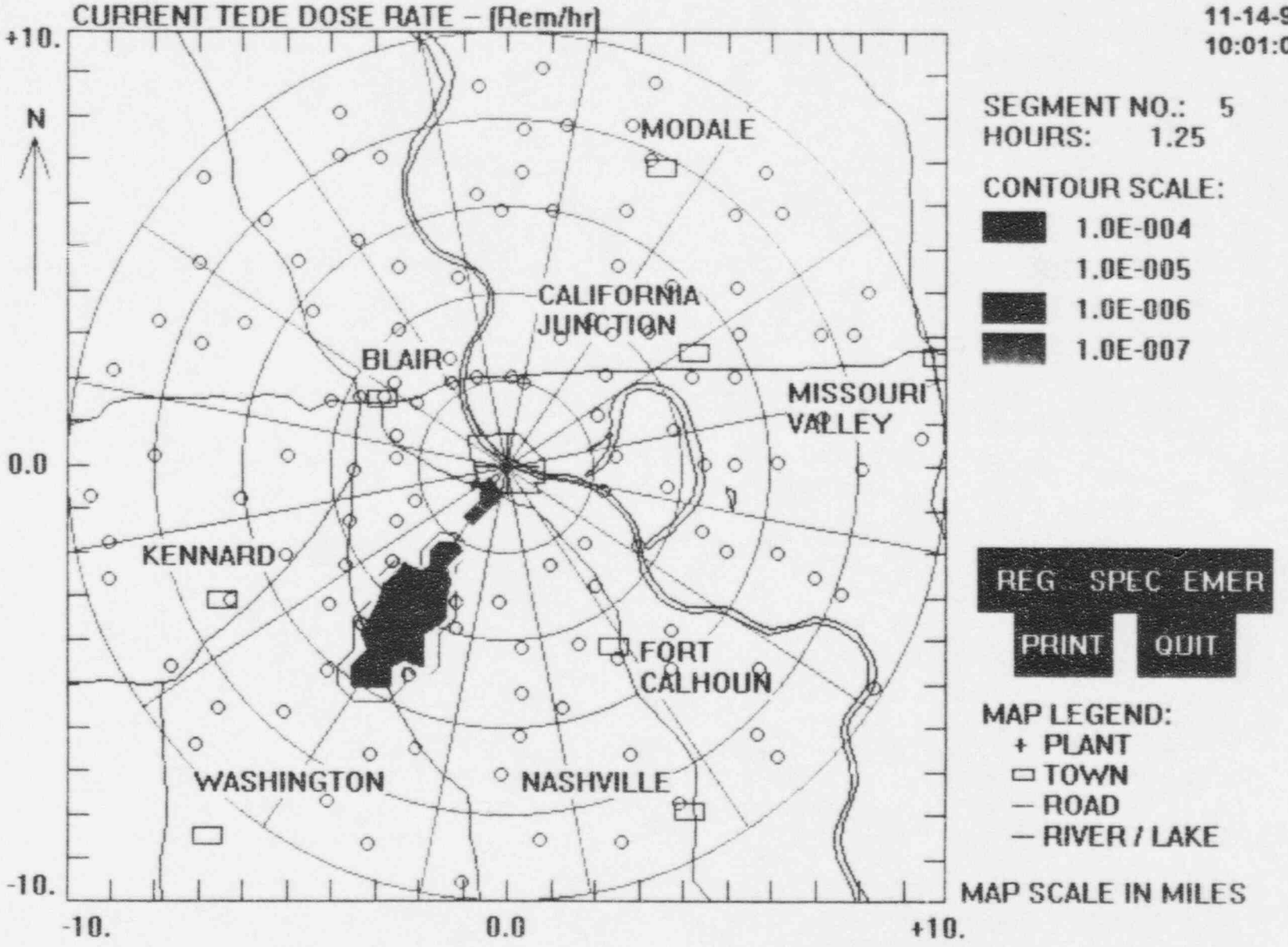
NEBRASKA FIELD TEAM EQUIPMENT DATA											
PLUME SEGMENT:		5	5				TIME:	10:01	to	10:16	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)			
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm	
SB	1.68E+03	1.26E+03	2.53E+02	5.90E-01	5.90E-01	5.36E-01	5.36E-01	0.00E+00	0.00E+00	0.00E+00	
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.64E-01	1.64E-01	1.49E-01	1.49E-01	0.00E+00	0.00E+00	0.00E+00	
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K1	1.30E+03	9.71E+02	1.94E+02	4.40E-01	4.40E-01	4.00E-01	4.00E-01	0.00E+00	0.00E+00	0.00E+00	
K2	0.00E+00	0.00E+00	0.00E+00	3.43E-01	3.43E-01	3.12E-01	3.12E-01	0.00E+00	0.00E+00	0.00E+00	
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L1	0.00E+00	0.00E+00	0.00E+00	1.89E-01	1.89E-01	1.72E-01	1.72E-01	0.00E+00	0.00E+00	0.00E+00	
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
0.1Mile	2.53E+03	1.90E+03	3.79E+02	8.84E-01	8.84E-01	8.04E-01	8.04E-01	0.00E+00	0.00E+00	0.00E+00	
0.3Mile	1.85E+03	1.39E+03	2.78E+02	6.49E-01	6.49E-01	5.90E-01	5.90E-01	0.00E+00	0.00E+00	0.00E+00	
0.5 Mile	1.68E+03	1.26E+03	2.53E+02	5.90E-01	5.90E-01	5.36E-01	5.36E-01	0.00E+00	0.00E+00	0.00E+00	
						PLUME SEGMENT:				5	

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	5	5	TIME:	10:01	to	10:16			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RSO-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	8.43E+02	0.00E+00	5.90E-01	5.90E-01	5.36E-01	5.36E-01	0.00E+00	8.43E+02
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.64E-01	1.64E-01	1.49E-01	1.49E-01	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	6.48E+02	0.00E+00	4.40E-01	4.40E-01	4.00E-01	4.00E-01	0.00E+00	6.48E+02
K2	0.00E+00	0.00E+00	0.00E+00	3.43E-01	3.43E-01	3.12E-01	3.12E-01	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	1.89E-01	1.89E-01	1.72E-01	1.72E-01	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	1.26E+03	0.00E+00	8.84E-01	8.84E-01	8.04E-01	8.04E-01	0.00E+00	1.26E+03
0.3Mile	0.00E+00	9.27E+02	0.00E+00	6.49E-01	6.49E-01	5.90E-01	5.90E-01	0.00E+00	9.27E+02
0.5 Mile	0.00E+00	8.43E+02	0.00E+00	5.90E-01	5.90E-01	5.36E-01	5.36E-01	0.00E+00	8.43E+02
					PLUME SEGMENT:				**5**

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	5	5	TIME:	10:01	to	10:16			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	8.43E+02	0.00E+00	5.90E-01	5.90E-01	5.36E-01	5.36E-01	0.00E+00	8.43E+02
2 Mile	0.00E+00	0.00E+00	0.00E+00	1.64E-01	1.64E-01	1.49E-01	1.49E-01	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	6.48E+02	0.00E+00	4.40E-01	4.40E-01	4.00E-01	4.00E-01	0.00E+00	6.48E+02
K2	0.00E+00	0.00E+00	0.00E+00	3.43E-01	3.43E-01	3.12E-01	3.12E-01	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	1.89E-01	1.89E-01	1.72E-01	1.72E-01	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	1.26E+03	0.00E+00	8.84E-01	8.84E-01	8.04E-01	8.04E-01	0.00E+00	1.26E+03
0.3Mile	0.00E+00	9.27E+02	0.00E+00	6.49E-01	6.49E-01	5.90E-01	5.90E-01	0.00E+00	9.27E+02
0.5 Mile	0.00E+00	8.43E+02	0.00E+00	5.90E-01	5.90E-01	5.36E-01	5.36E-01	0.00E+00	8.43E+02
					PLUME SEGMENT:				**5**


CURRENT TEDE DOSE RATE – (Rem/hr)
11-14-95
10:01:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 5
HOURS: 1.25
CONTOUR SCALE:
1.0E-004
1.0E-005
1.0E-006
1.0E-007
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:	6			10:16	to	10:31	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	1.15E-02	1.15E-02	0.00E+00	1.01E-01	4.92E-08	2.66E-07	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	4.00E-04	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	0.00E+00
6 Mile	2.12E-04	2.12E-04	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	1.45E-04	1.45E-04	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	8.64E-03	8.64E-03	0.00E+00	7.55E-02	3.70E-08	2.06E-07	0.00E+00
K2	7.03E-03	7.03E-03	0.00E+00	6.19E-02	3.03E-08	1.84E-07	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	3.59E-03	3.59E-03	0.00E+00	3.14E-02	1.54E-08	8.59E-08	0.00E+00
L2	1.48E-03	1.48E-03	0.00E+00	1.31E-02	0.00E+00	3.94E-08	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	1.09E-04	1.09E-04	0.00E+00	2.07E-04	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.73E-02	1.73E-02	0.00E+00	1.52E-01	7.38E-08	3.99E-07	0.00E+00
0.3Mile	1.27E-02	1.27E-02	0.00E+00	1.11E-01	5.41E-08	2.93E-07	0.00E+00
0.5 Mile	1.15E-02	1.15E-02	0.00E+00	1.01E-01	4.92E-08	2.66E-07	0.00E+00
			PLUME SEGMENT:				6

NEBRASKA FIELD TEAM DATA

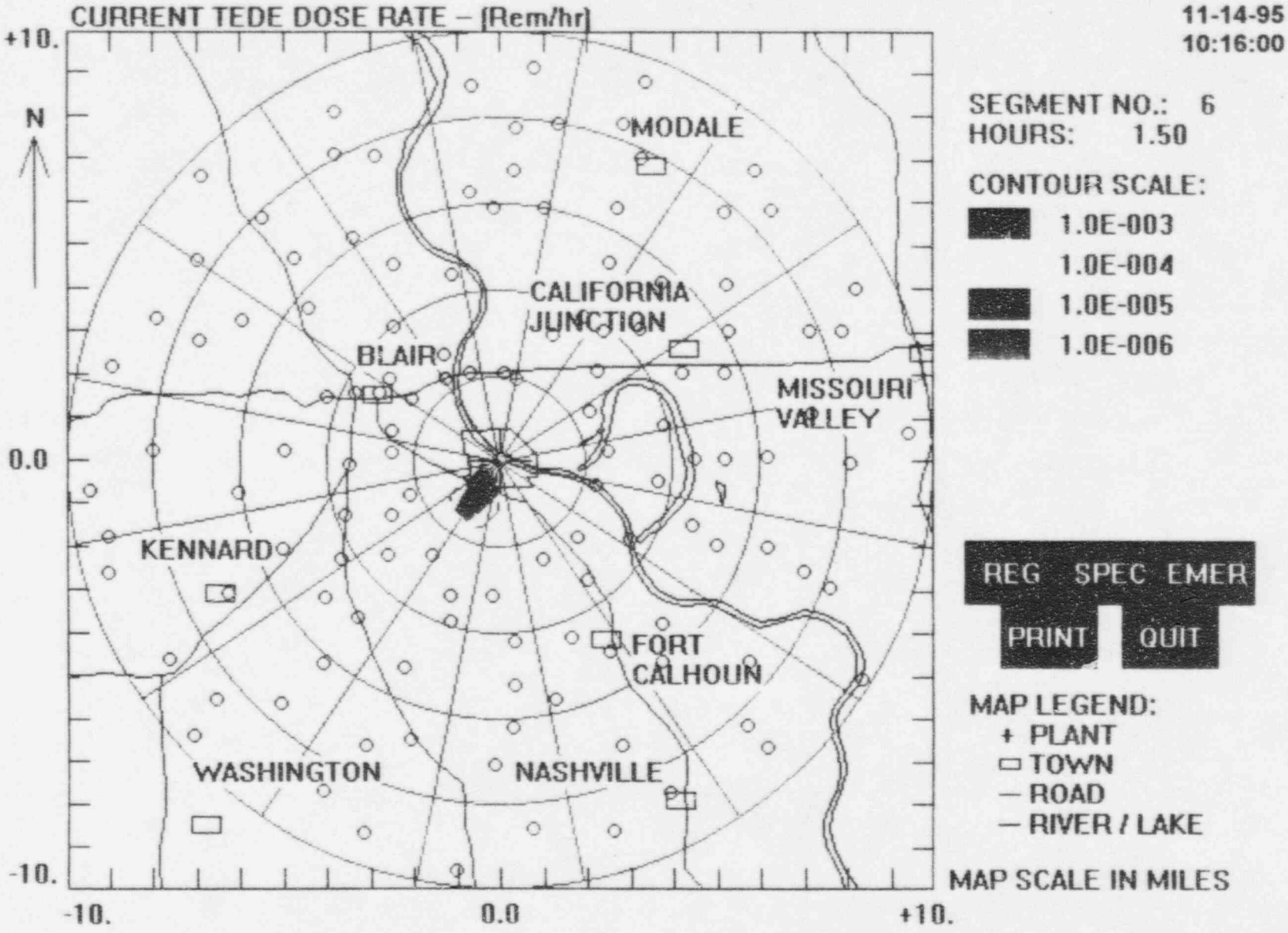
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	6	6				TIME:	10:18	to	10:31	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	3.34E+04	2.51E+04	5.02E+03	1.27E+01	1.27E+01	1.15E+01	1.15E+01	6.19E+01	3.09E+01	9.28E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	2.33E-01	2.33E-01	2.12E-01	2.12E-01	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	1.60E-01	1.60E-01	1.45E-01	1.45E-01	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	2.59E+04	1.94E+04	3.89E+03	9.50E+00	9.50E+00	8.64E+00	8.64E+00	4.65E+01	2.33E+01	6.98E+00
K2	2.31E+04	1.74E+04	3.47E+03	7.73E+00	7.73E+00	7.03E+00	7.03E+00	3.81E+01	1.90E+01	5.71E+00
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	1.08E+04	8.10E+03	1.62E+03	3.95E+00	3.95E+00	3.59E+00	3.59E+00	1.94E+01	9.38E+00	2.90E+00
L2	4.95E+03	3.72E+03	7.43E+02	1.63E+00	1.63E+00	1.48E+00	1.48E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	1.20E-01	1.20E-01	1.09E-01	1.09E-01	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	5.02E+04	3.76E+04	7.53E+03	1.90E+01	1.90E+01	1.73E+01	1.73E+01	9.28E+01	4.64E+01	1.39E+01
0.3Mile	3.68E+04	2.76E+04	5.52E+03	1.39E+01	1.39E+01	1.27E+01	1.27E+01	6.81E+01	3.40E+01	1.02E+01
0.5 Mile	3.34E+04	2.51E+04	5.02E+03	1.27E+01	1.27E+01	1.15E+01	1.15E+01	6.19E+01	3.09E+01	9.28E+00
						PLUME SEGMENT:				6

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:		6	6	TIME:	10:16	to	10:31		
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	1.67E+04	3.09E+03	1.27E+01	1.27E+01	1.15E+01	1.15E+01	0.00E+00	1.67E+04
2 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	2.33E-01	2.33E-01	2.12E-01	2.12E-01	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	1.60E-01	1.60E-01	1.45E-01	1.45E-01	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	1.30E+04	2.33E+03	9.50E+00	9.50E+00	8.64E+00	8.64E+00	0.00E+00	1.30E+04
K2	0.00E+00	1.16E+04	1.91E+03	7.73E+00	7.73E+00	7.03E+00	7.03E+00	0.00E+00	1.16E+04
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	5.40E+03	9.69E+02	3.95E+00	3.95E+00	3.59E+00	3.59E+00	0.00E+00	5.40E+03
L2	0.00E+00	2.48E+03	0.00E+00	1.63E+00	1.63E+00	1.48E+00	1.48E+00	0.00E+00	2.48E+03
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	1.20E-01	1.20E-01	1.09E-01	1.09E-01	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	2.51E+04	4.64E+03	1.90E+01	1.90E+01	1.73E+01	1.73E+01	0.00E+00	2.51E+04
0.3Mile	0.00E+00	1.84E+04	3.40E+03	1.39E+01	1.39E+01	1.27E+01	1.27E+01	0.00E+00	1.84E+04
0.5 Mile	0.00E+00	1.67E+04	3.09E+03	1.27E+01	1.27E+01	1.15E+01	1.15E+01	0.00E+00	1.67E+04
					PLUME SEGMENT:				6

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	6	6	TIME:	10:16	to	10:31			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	0.00E+00	1.67E+04	3.09E+03	1.27E+01	1.27E+01	1.15E+01	1.15E+01	0.00E+00	1.67E+04
2 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	2.33E-01	2.33E-01	2.12E-01	2.12E-01	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	1.60E-01	1.60E-01	1.45E-01	1.45E-01	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	1.30E+04	2.33E+03	9.50E+00	9.50E+00	8.64E+00	8.64E+00	0.00E+00	1.30E+04
K2	0.00E+00	1.16E+04	1.91E+03	7.73E+00	7.73E+00	7.03E+00	7.03E+00	0.00E+00	1.16E+04
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	5.40E+03	9.69E+02	3.95E+00	3.95E+00	3.59E+00	3.59E+00	0.00E+00	5.40E+03
L2	0.00E+00	2.48E+03	0.00E+00	1.63E+00	1.63E+00	1.48E+00	1.48E+00	0.00E+00	2.48E+03
L3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	1.20E-01	1.20E-01	1.09E-01	1.09E-01	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	2.51E+04	4.64E+03	1.90E+01	1.90E+01	1.73E+01	1.73E+01	0.00E+00	2.51E+04
0.3Mile	0.00E+00	1.84E+04	3.40E+03	1.39E+01	1.39E+01	1.27E+01	1.27E+01	0.00E+00	1.84E+04
0.5 Mile	0.00E+00	1.67E+04	3.09E+03	1.27E+01	1.27E+01	1.15E+01	1.15E+01	0.00E+00	1.67E+04
					PLUME SEGMENT:				6


CURRENT TEDE DOSE RATE – [Rem/hr]
11-14-95
10:16:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 6
HOURS: 1.50
CONTOUR SCALE:
1.0E-003
1.0E-004
1.0E-005
1.0E-006
REG
SPEC
EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		7		10:31	to	10:46	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	6.81E+03	6.69E-03	1.20E-04	6.32E-02	3.14E-08	1.48E-07	1.44E+03
2 Mile	2.52E+03	2.52E-03	0.00E+00	2.23E-02	1.09E-08	6.69E-08	0.00E+00
3 Mile	1.07E-03	1.07E-03	0.00E+00	9.50E-03	0.00E+00	2.92E-08	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	1.70E-04	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	1.14E-04	0.00E+00	0.00E+00	0.00E+00
8 Mile	1.45E-04	1.45E-04	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	5.02E-03	5.02E-03	0.00E+00	4.75E-02	2.36E-08	1.16E-07	0.00E+00
K2	4.15E-03	4.15E-03	0.00E+00	3.96E-02	1.97E-08	1.06E-07	0.00E+00
K3	2.94E-04	2.94E-04	0.00E+00	2.60E-03	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.06E-03	2.06E-03	0.00E+00	1.95E-02	0.00E+00	4.75E-08	0.00E+00
L2	8.57E-04	8.57E-04	0.00E+00	8.18E-03	0.00E+00	2.23E-08	0.00E+00
L3	1.27E-03	1.27E-03	0.00E+00	1.13E-02	0.00E+00	3.49E-08	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.02E+04	1.00E-02	1.80E-04	9.48E-02	4.71E-08	2.22E-07	2.16E+03
0.3Mile	7.49E+03	7.36E-03	1.32E-04	6.95E-02	3.45E-08	1.63E-07	1.58E+03
0.5 Mile	6.81E+03	6.69E-03	1.20E-04	6.32E-02	3.14E-08	1.48E-07	1.44E+03
			PLUME SEGMENT:				7

NEBRASKA FIELD TEAM DATA

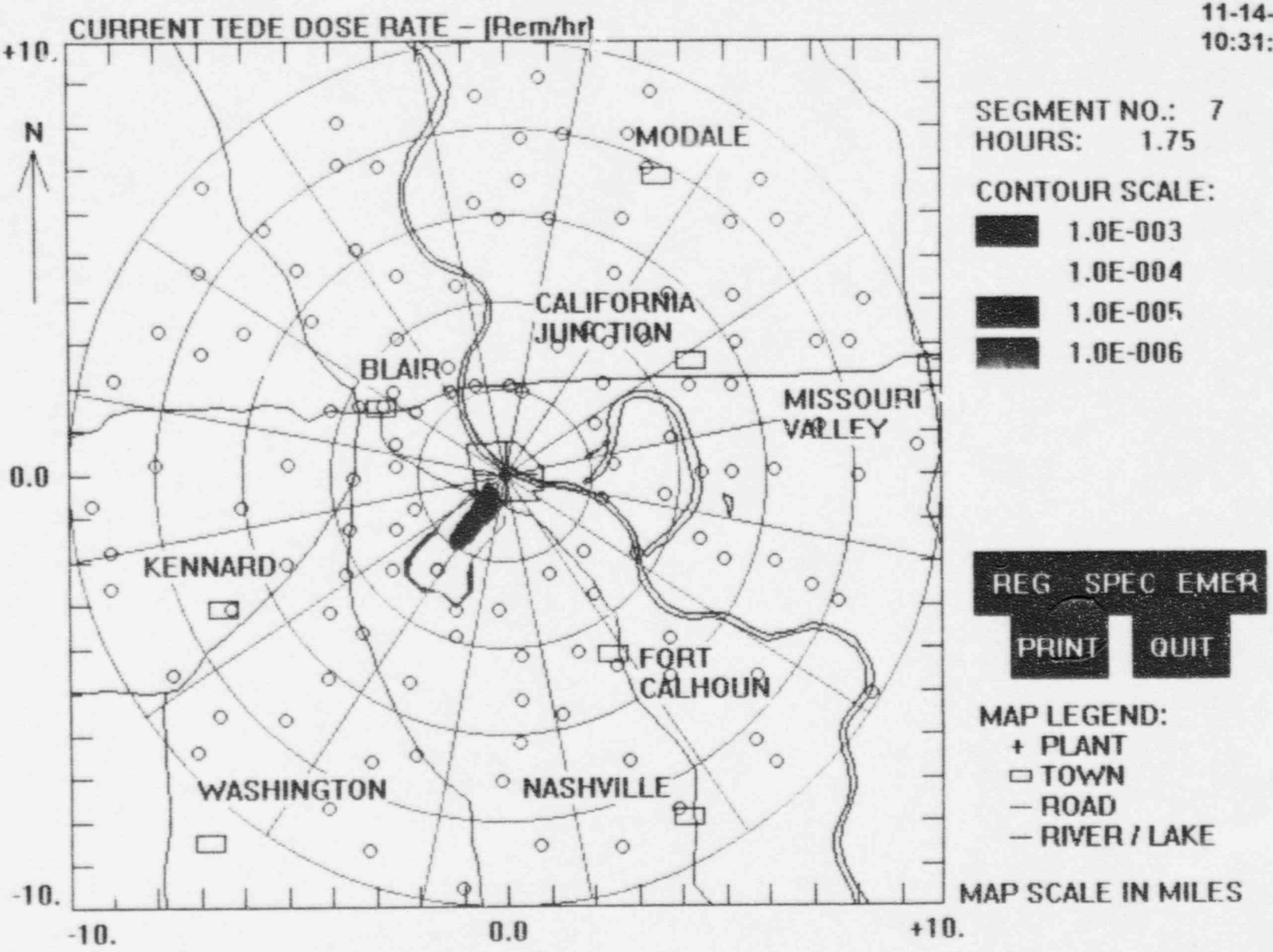
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	7	7				TIME:	10:31	to	10:46	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	1.86E+04	1.40E+04	2.79E+03	7.49E+06	7.49E+06	6.81E+06	6.81E+06	3.95E+01	1.97E+01	5.92E+00
2 Mile	8.41E+03	6.31E+03	1.26E+03	2.77E+06	2.77E+06	2.52E+06	2.52E+06	1.37E+01	6.85E+00	2.06E+00
3 Mile	3.67E+03	2.75E+03	5.51E+02	1.18E+00	1.18E+00	1.07E+00	1.07E+00	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	1.60E-01	1.60E-01	1.45E-01	1.45E-01	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	1.46E+04	1.09E+04	2.19E+03	5.52E+00	5.52E+00	5.02E+00	5.02E+00	2.97E+01	1.48E+01	4.45E+00
K2	1.33E+04	1.00E+04	2.00E+03	4.57E+00	4.57E+00	4.15E+00	4.15E+00	2.48E+01	1.24E+01	3.72E+00
K3	0.00E+00	0.00E+00	0.00E+00	3.23E-01	3.23E-01	2.94E-01	2.94E-01	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	5.97E+03	4.48E+03	8.96E+02	2.27E+00	2.27E+00	2.06E+00	2.06E+00	0.00E+00	0.00E+00	0.00E+00
L2	2.80E+03	2.10E+03	4.21E+02	9.43E-01	9.43E-01	8.57E-01	8.57E-01	0.00E+00	0.00E+00	0.00E+00
L3	4.39E+03	3.29E+03	6.58E+02	1.40E+00	1.40E+00	1.27E+00	1.27E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	2.79E+04	2.09E+04	4.19E+03	1.12E+07	1.12E+07	1.02E+07	1.02E+07	5.92E+01	2.96E+01	8.88E+00
0.3Mile	2.05E+04	1.54E+04	3.07E+03	8.24E+06	8.24E+06	7.49E+06	7.49E+06	4.34E+01	2.17E+01	6.51E+00
0.5 Mile	1.86E+04	1.40E+04	2.79E+03	7.49E+06	7.49E+06	6.81E+06	6.81E+06	3.95E+01	1.97E+01	5.92E+00
						PLUME SEGMENT:				7

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	7	7	TIME:	10:31	to	10:46			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	1.44E+02	9.31E+03	1.97E+03	7.49E+06	7.49E+06	6.81E+06	6.81E+06	1.44E+02	9.31E+03
2 Mile	0.00E+00	4.21E+03	6.86E+02	2.77E+06	2.77E+06	2.52E+06	2.52E+06	0.00E+00	4.21E+03
3 Mile	0.00E+00	1.84E+03	0.00E+00	1.18E+00	1.18E+00	1.07E+00	1.07E+00	0.00E+00	1.84E+03
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	1.60E-01	1.60E-01	1.45E-01	1.45E-01	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Bair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	7.30E+03	1.48E+03	5.52E+00	5.52E+00	5.02E+00	5.02E+00	0.00E+00	7.30E+03
K2	0.00E+00	6.67E+03	1.24E+03	4.57E+00	4.57E+00	4.15E+00	4.15E+00	0.00E+00	6.67E+03
K3	0.00E+00	0.00E+00	0.00E+00	3.23E-01	3.23E-01	2.94E-01	2.94E-01	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	2.99E+03	0.00E+00	2.27E+00	2.27E+00	2.06E+00	2.06E+00	0.00E+00	2.99E+03
L2	0.00E+00	1.40E+03	0.00E+00	9.43E-01	9.43E-01	8.57E-01	8.57E-01	0.00E+00	1.40E+03
L3	0.00E+00	2.19E+03	0.00E+00	1.40E+00	1.40E+00	1.27E+00	1.27E+00	0.00E+00	2.19E+03
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	2.16E+02	1.40E+04	2.96E+03	1.12E+07	1.12E+07	1.02E+07	1.02E+07	2.16E+02	1.40E+04
0.3Mile	1.58E+02	1.02E+04	2.17E+03	8.24E+06	8.24E+06	7.49E+06	7.49E+06	1.58E+02	1.02E+04
0.5 Mile	1.44E+02	9.31E+03	1.97E+03	7.49E+06	7.49E+06	6.81E+06	6.81E+06	1.44E+02	9.31E+03
					PLUME SEGMENT:				7

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	7	7	TIME:	10:31	to	10:46			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	1.44E+02	9.31E+03	1.97E+03	7.49E+06	7.49E+06	6.81E+06	6.81E+06	1.44E+02	9.31E+03
2 Mile	0.00E+00	4.21E+03	6.86E+02	2.77E+06	2.77E+06	2.52E+06	2.52E+06	0.00E+00	4.21E+03
3 Mile	0.00E+00	1.84E+03	0.00E+00	1.18E+00	1.18E+00	1.07E+00	1.07E+00	0.00E+00	1.84E+03
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	1.60E-01	1.60E-01	1.45E-01	1.45E-01	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedeker	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	7.30E+03	1.48E+03	5.52E+00	5.52E+00	5.02E+00	5.02E+00	0.00E+00	7.30E+03
K2	0.00E+00	6.67E+03	1.24E+03	4.57E+00	4.57E+00	4.15E+00	4.15E+00	0.00E+00	6.67E+03
K3	0.00E+00	0.00E+00	0.00E+00	3.23E-01	3.23E-01	2.94E-01	2.94E-01	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	2.99E+03	0.00E+00	2.27E+00	2.27E+00	2.06E+00	2.06E+00	0.00E+00	2.99E+03
L2	0.00E+00	1.40E+03	0.00E+00	9.43E-01	9.43E-01	8.57E-01	8.57E-01	0.00E+00	1.40E+03
L3	0.00E+00	2.19E+03	0.00E+00	1.40E+00	1.40E+00	1.27E+00	1.27E+00	0.00E+00	2.19E+03
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	2.16E+02	1.40E+04	2.96E+03	1.12E+07	1.12E+07	1.02E+07	1.02E+07	2.16E+02	1.40E+04
0.3Mile	1.58E+02	1.02E+04	2.17E+03	8.24E+06	8.24E+06	7.49E+06	7.49E+06	1.58E+02	1.02E+04
0.5 Mile	1.44E+02	9.31E+03	1.97E+03	7.49E+06	7.49E+06	6.81E+06	6.81E+06	1.44E+02	9.31E+03
					PLUME SEGMENT:				7


CURRENT TEDE DOSE RATE – (Rem/hr)
11-14-95
10:31:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 7
HOURS: 1.75
CONTOUR SCALE:
1.0E-003
1.0E-004
1.0E-005
1.0E-006
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		8		10:46	to	11:01	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	4.31E-03	4.17E-03	1.38E-04	4.27E-02	2.15E-08	9.09E-08	1.66E+03
2 Mile	1.61E-03	1.61E-03	0.00E+00	1.52E-02	0.00E+00	4.35E-08	0.00E+00
3 Mile	6.81E-04	6.81E-04	0.00E+00	6.58E-03	0.00E+00	1.85E-08	0.00E+00
4 Mile	5.80E-04	5.80E-04	0.00E+00	5.19E-03	0.00E+00	1.54E-08	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00
Goedekr	1.09E-04	1.09E-04	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	3.23E-03	3.13E-03	1.03E-04	3.21E-02	1.62E-08	7.14E-08	1.24E+03
K2	2.58E-03	2.58E-03	0.00E+00	2.67E-02	1.35E-08	6.57E-08	0.00E+00
K3	1.88E-04	1.88E-04	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	1.28E-03	1.28E-03	0.00E+00	1.32E-02	0.00E+00	2.92E-08	0.00E+00
L2	5.34E-04	5.34E-04	0.00E+00	5.53E-03	0.00E+00	1.39E-08	0.00E+00
L3	8.10E-04	8.10E-04	0.00E+00	7.82E-03	0.00E+00	2.21E-08	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	6.47E-03	6.26E-03	2.07E-04	6.41E-02	3.23E-08	1.36E-07	2.48E+03
0.3Mile	4.74E-03	4.59E-03	1.52E-04	4.70E-02	2.37E-08	1.00E-07	1.82E+03
0.5 Mile	4.31E-03	4.17E-03	1.38E-04	4.27E-02	2.15E-08	9.09E-08	1.66E+03
			PLUME SEGMENT:				8

NEBRASKA FIELD TEAM DATA

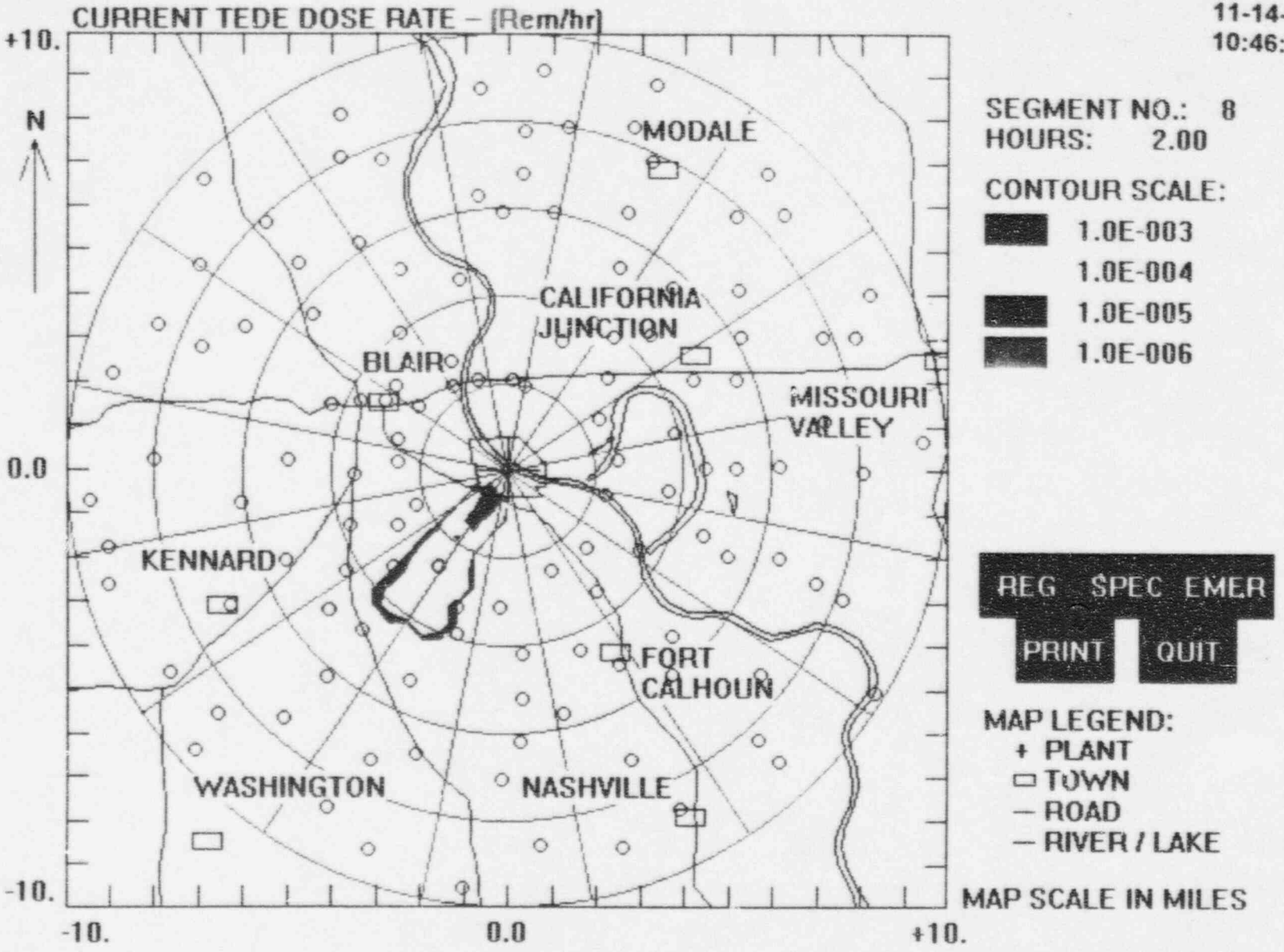
NEBRASKA FIELD TEAM EQUIPMENT DATA											
PLUME SEGMENT:	8	8				TIME:	10:46	to	11:01		
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)			
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm	
SB	1.14E+04	8.57E+03	1.71E+03	4.74E+00	4.74E+00	4.31E+00	4.38E+00	2.70E+01	1.35E+01	4.06E+00	
2 Mile	5.47E+03	4.10E+03	8.20E+02	1.77E+00	1.77E+00	1.61E+00	1.61E+00	0.00E+00	0.00E+00	0.00E+00	
3 Mile	2.33E+03	1.74E+03	3.49E+02	7.49E-01	7.49E-01	6.81E-01	6.81E-01	0.00E+00	0.00E+00	0.00E+00	
4 Mile	1.94E+03	1.45E+03	2.90E+02	6.38E-01	6.38E-01	5.80E-01	5.80E-01	0.00E+00	0.00E+00	0.00E+00	
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Goedekr	0.00E+00	0.00E+00	0.00E+00	1.20E-01	1.20E-01	1.09E-01	1.09E-01	0.00E+00	0.00E+00	0.00E+00	
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K1	8.98E+03	6.73E+03	1.35E+03	3.55E+00	3.55E+00	3.23E+00	3.28E+00	2.04E+01	1.02E+01	3.06E+00	
K2	8.26E+03	6.20E+03	1.24E+03	2.84E+00	2.84E+00	2.58E+00	2.58E+00	1.70E+01	8.49E+00	2.55E+00	
K3	0.00E+00	0.00E+00	0.00E+00	2.07E-01	2.07E-01	1.88E-01	1.88E-01	0.00E+00	0.00E+00	0.00E+00	
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L1	3.67E+03	2.75E+03	5.51E+02	1.41E+00	1.41E+00	1.28E+00	1.28E+00	0.00E+00	0.00E+00	0.00E+00	
L2	1.75E+03	1.31E+03	2.62E+02	5.87E-01	5.87E-01	5.34E-01	5.34E-01	0.00E+00	0.00E+00	0.00E+00	
L3	2.78E+03	2.08E+03	4.17E+02	8.91E-01	8.91E-01	8.10E-01	8.10E-01	0.00E+00	0.00E+00	0.00E+00	
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
0.1Mile	1.71E+04	1.29E+04	2.57E+03	7.11E+00	7.11E+00	6.47E+00	6.57E+00	4.06E+01	2.03E+01	6.08E+00	
0.3Mile	1.26E+04	9.43E+03	1.89E+03	5.22E+00	5.22E+00	4.74E+00	4.82E+00	2.97E+01	1.49E+01	4.46E+00	
0.5 Mile	1.14E+04	8.57E+03	1.71E+03	4.74E+00	4.74E+00	4.31E+00	4.38E+00	2.70E+01	1.35E+01	4.06E+00	
						PLUME SEGMENT:				8	

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:		8	8	TIME:	10:46	to	11:01		
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	1.66E+02	5.72E+03	1.35E+03	4.74E+00	4.74E+00	4.31E+00	4.38E+00	1.66E+02	5.72E+03
2 Mile	0.00E+00	2.74E+03	0.00E+00	1.77E+00	1.77E+00	1.61E+00	1.61E+00	0.00E+00	2.74E+03
3 Mile	0.00E+00	1.16E+03	0.00E+00	7.49E-01	7.49E-01	6.81E-01	6.81E-01	0.00E+00	1.16E+03
4 Mile	0.00E+00	9.69E+02	0.00E+00	6.38E-01	6.38E-01	5.80E-01	5.80E-01	0.00E+00	9.69E+02
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	1.20E-01	1.20E-01	1.09E-01	1.09E-01	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	1.24E+02	4.49E+03	1.02E+03	3.55E+00	3.55E+00	3.23E+00	3.28E+00	1.24E+02	4.49E+03
K2	0.00E+00	4.13E+03	8.49E+02	2.84E+00	2.84E+00	2.58E+00	2.58E+00	0.00E+00	4.13E+03
K3	0.00E+00	0.00E+00	0.00E+00	2.07E-01	2.07E-01	1.88E-01	1.88E-01	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	1.84E+03	0.00E+00	1.41E+00	1.41E+00	1.28E+00	1.28E+00	0.00E+00	1.84E+03
L2	0.00E+00	8.74E+02	0.00E+00	5.87E-01	5.87E-01	5.34E-01	5.34E-01	0.00E+00	8.74E+02
L3	0.00E+00	1.39E+03	0.00E+00	8.91E-01	8.91E-01	8.10E-01	8.10E-01	0.00E+00	1.39E+03
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	2.48E+02	8.58E+03	2.03E+03	7.11E+00	7.11E+00	6.47E+00	6.57E+00	2.48E+02	8.58E+03
0.3Mile	1.82E+02	6.29E+03	1.49E+03	5.22E+00	5.22E+00	4.74E+00	4.82E+00	1.82E+02	6.29E+03
0.5 Mile	1.66E+02	5.72E+03	1.35E+03	4.74E+00	4.74E+00	4.31E+00	4.38E+00	1.66E+02	5.72E+03
					PLUME SEGMENT:				8

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	8	8	TIME:	10:46	to	11:01			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	1.66E+02	5.72E+03	1.35E+03	4.74E+00	4.74E+00	4.31E+00	4.38E+00	1.66E+02	5.72E+03
2 Mile	0.00E+00	2.74E+03	0.00E+00	1.77E+00	1.77E+00	1.61E+00	1.61E+00	0.00E+00	2.74E+03
3 Mile	0.00E+00	1.16E+03	0.00E+00	7.49E-01	7.49E-01	6.81E-01	6.81E-01	0.00E+00	1.16E+03
4 Mile	0.00E+00	9.69E+02	0.00E+00	6.38E-01	6.38E-01	5.80E-01	5.80E-01	0.00E+00	9.69E+02
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	1.20E-01	1.20E-01	1.09E-01	1.09E-01	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	1.24E+02	4.49E+03	1.02E+03	3.55E+00	3.55E+00	3.23E+00	3.28E+00	1.24E+02	4.49E+03
K2	0.00E+00	4.13E+03	8.49E+02	2.84E+00	2.84E+00	2.58E+00	2.58E+00	0.00E+00	4.13E+03
K3	0.00E+00	0.00E+00	0.00E+00	2.07E-01	2.07E-01	1.88E-01	1.88E-01	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	1.84E+03	0.00E+00	1.41E+00	1.41E+00	1.28E+00	1.28E+00	0.00E+00	1.84E+03
L2	0.00E+00	8.74E+02	0.00E+00	5.87E-01	5.87E-01	5.34E-01	5.34E-01	0.00E+00	8.74E+02
L3	0.00E+00	1.39E+03	0.00E+00	8.91E-01	8.91E-01	8.10E-01	8.10E-01	0.00E+00	1.39E+03
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	2.48E+02	8.58E+03	2.03E+03	7.11E+00	7.11E+00	6.47E+00	6.57E+00	2.48E+02	8.58E+03
0.3Mile	1.82E+02	6.29E+03	1.49E+03	5.22E+00	5.22E+00	4.74E+00	4.82E+00	1.82E+02	6.29E+03
0.5 Mile	1.66E+02	5.72E+03	1.35E+03	4.74E+00	4.74E+00	4.31E+00	4.38E+00	1.66E+02	5.72E+03
					PLUME SEGMENT:				8


CURRENT TEDE DOSE RATE – [Rem/hr]
11-14-95
10:46:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 8
HOURS: 2.00
CONTOUR SCALE:
1.0E-003
1.0E-004
1.0E-005
1.0E-006
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		9		11:01	to	11:16	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	2.58E-03	2.44E-03	1 45E-04	2.70E-02	1.37E-08	5.19E-08	1.74E+03
2 Mile	9.58E-04	9.58E-04	0.00E+00	9.97E-03	0.00E+00	2.59E-08	0.00E+00
3 Mile	4.05E-04	4.05E-04	0.00E+00	4.25E-03	0.00E+00	1.11E-08	0.00E+00
4 Mile	3.62E-04	3.62E-04	0.00E+00	3.52E-03	0.00E+00	0.00E+00	0.00E+00
5 Mile	3.64E-04	3.64E-04	0.00E+00	3.27E-03	0.00E+00	0.00E+00	0.00E+00
6 Mile	2.99E-04	2.99E-04	0.00E+00	2.70E-03	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	2.05E-04	2.05E-04	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	1.94E-03	1.83E-03	1.08E-04	2.03E-02	1.03E-08	4.08E-08	1.30E+03
K2	1.52E-03	1.52E-03	0.00E+00	1.70E-02	0.00E+00	3.86E-08	0.00E+00
K3	1.13E-04	1.13E-04	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	4.64E-04	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00
K6	1.40E-04	1.40E-04	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	7.44E-04	7.44E-04	0.00E+00	8.26E-03	0.00E+00	1.67E-08	0.00E+00
L2	3.11E-04	3.11E-04	0.00E+00	3.49E-03	0.00E+00	0.00E+00	0.00E+00
L3	4.82E-04	4.82E-04	0.00E+00	5.05E-03	0.00E+00	1.32E-08	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00
L5	1.11E-04	1.11E-04	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	1.54E-04	1.54E-04	0.00E+00	1.39E-03	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	3.87E-03	3.66E-03	2.18E-04	4.05E-02	2.06E-08	7.79E-08	2.61E+03
0.3Mile	2.84E-03	2.68E-03	1.60E-04	2.97E-02	1.51E-08	5.71E-08	1.91E+03
0.5 Mile	2.58E-03	2.44E-03	1.45E-04	2.70E-02	1.37E-08	5.19E-08	1.74E+03
			PLUME SEGMENT:				9

NEBRASKA FIELD TEAM DATA

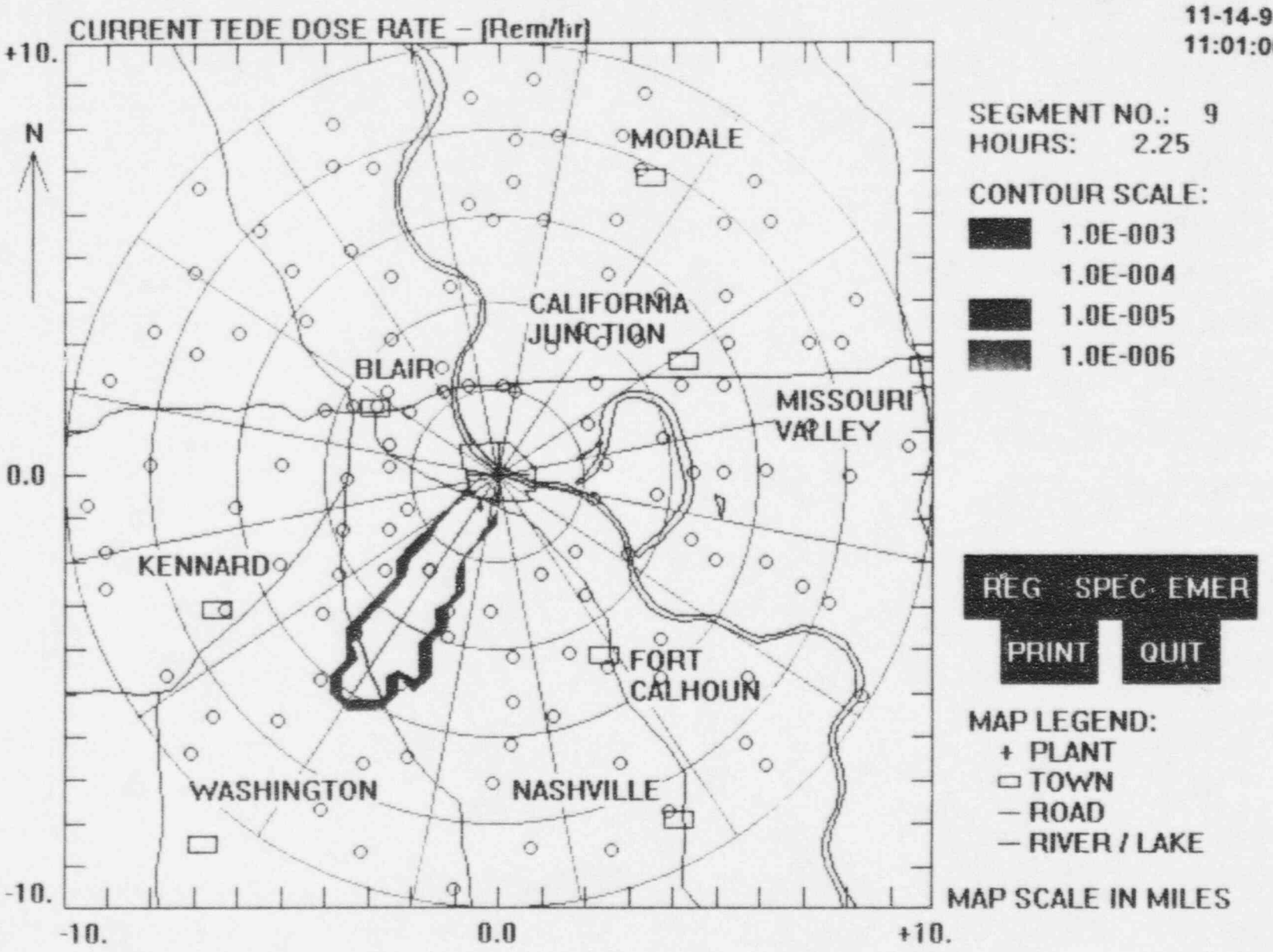
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	9	9				TIME:	11:01	to	11:16	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	6.53E+03	4.89E+03	9.79E+02	2.84E+00	2.84E+00	2.58E+00	2.65E+00	1.72E+01	8.61E+00	2.58E+00
2 Mile	3.26E+03	2.44E+03	4.88E+02	1.05E+00	1.05E+00	9.58E-01	9.58E-01	0.00E+00	0.00E+00	0.00E+00
3 Mile	1.40E+03	1.05E+03	2.09E+02	4.45E-01	4.45E-01	4.05E-01	4.05E-01	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	3.98E-01	3.98E-01	3.62E-01	3.62E-01	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	4.00E-01	4.00E-01	3.64E-01	3.64E-01	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	3.29E-01	3.29E-01	2.99E-01	2.99E-01	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	2.26E-01	2.26E-01	2.05E-01	2.05E-01	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	5.13E+03	3.85E+03	7.70E+02	2.13E+00	2.13E+00	1.94E+00	1.99E+00	1.30E+01	6.48E+00	1.94E+00
K2	4.85E+03	3.64E+03	7.28E+02	1.67E+00	1.67E+00	1.52E+00	1.52E+00	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	1.24E-01	1.24E-01	1.13E-01	1.13E-01	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	1.54E-01	1.54E-01	1.40E-01	1.40E-01	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.10E+03	1.57E+03	3.15E+02	8.18E-01	8.18E-01	7.44E-01	7.44E-01	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	3.42E-01	3.42E-01	3.11E-01	3.11E-01	0.00E+00	0.00E+00	0.00E+00
L3	1.66E+03	1.24E+03	2.49E+02	5.30E-01	5.30E-01	4.82E-01	4.82E-01	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	1.22E-01	1.22E-01	1.11E-01	1.11E-01	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	1.69E-01	1.69E-01	1.54E-01	1.54E-01	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	9.79E+03	7.34E+03	1.47E+03	4.26E+00	4.26E+00	3.87E+00	3.98E+00	2.58E+01	1.29E+01	3.88E+00
0.3Mile	7.18E+03	5.38E+03	1.08E+03	3.12E+00	3.12E+00	2.84E+00	2.92E+00	1.89E+01	9.47E+00	2.84E+00
0.5 Mile	6.53E+03	4.89E+03	9.79E+02	2.84E+00	2.84E+00	2.58E+00	2.65E+00	1.72E+01	8.61E+00	2.58E+00
						PLUME SEGMENT:				9

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	9	9	TIME:	11:01	to	11:16			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RSO-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	1.74E+02	3.26E+03	8.62E+02	2.84E+00	2.84E+00	2.58E+00	2.65E+00	1.74E+02	3.26E+03
2 Mile	0.00E+00	1.63E+03	0.00E+00	1.05E+00	1.05E+00	9.58E-01	9.58E-01	0.00E+00	1.63E+03
3 Mile	0.00E+00	6.98E+02	0.00E+00	4.45E-01	4.45E-01	4.05E-01	4.05E-01	0.00E+00	6.98E+02
4 Mile	0.00E+00	0.00E+00	0.00E+00	3.98E-01	3.98E-01	3.62E-01	3.62E-01	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	4.00E-01	4.00E-01	3.64E-01	3.64E-01	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	3.29E-01	3.29E-01	2.99E-01	2.99E-01	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	2.26E-01	2.26E-01	2.05E-01	2.05E-01	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	1.30E+02	2.57E+03	6.48E+02	2.13E+00	2.13E+00	1.94E+00	1.99E+00	1.30E+02	2.57E+03
K2	0.00E+00	2.43E+03	0.00E+00	1.67E+00	1.67E+00	1.52E+00	1.52E+00	0.00E+00	2.43E+03
K3	0.00E+00	0.00E+00	0.00E+00	1.24E-01	1.24E-01	1.13E-01	1.13E-01	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	1.54E-01	1.54E-01	1.40E-01	1.40E-01	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	1.05E+03	0.00E+00	8.18E-01	8.18E-01	7.44E-01	7.44E-01	0.00E+00	1.05E+03
L2	0.00E+00	0.00E+00	0.00E+00	3.42E-01	3.42E-01	3.11E-01	3.11E-01	0.00E+00	0.00E+00
L3	0.00E+00	8.30E+02	0.00E+00	5.30E-01	5.30E-01	4.82E-01	4.82E-01	0.00E+00	8.30E+02
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	1.22E-01	1.22E-01	1.11E-01	1.11E-01	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	1.69E-01	1.69E-01	1.54E-01	1.54E-01	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	2.61E+02	4.90E+03	1.29E+03	4.26E+00	4.26E+00	3.87E+00	3.98E+00	2.61E+02	4.90E+03
0.3Mile	1.91E+02	3.59E+03	9.48E+02	3.12E+00	3.12E+00	2.84E+00	2.92E+00	1.91E+02	3.59E+03
0.5 Mile	1.74E+02	3.26E+03	8.62E+02	2.84E+00	2.84E+00	2.58E+00	2.65E+00	1.74E+02	3.26E+03
					PLUME SEGMENT:				9

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	9	9	TIME:	11:01	to	11:16			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	1.74E+02	3.26E+03	8.62E+02	2.84E+00	2.84E+00	2.58E+00	2.65E+00	1.74E+02	3.26E+03
2 Mile	0.00E+00	1.63E+03	0.00E+00	1.05E+00	1.05E+00	9.58E-01	9.58E-01	0.00E+00	1.63E+03
3 Mile	0.00E+00	6.98E+02	0.00E+00	4.45E-01	4.45E-01	4.05E-01	4.05E-01	0.00E+00	6.98E+02
4 Mile	0.00E+00	0.00E+00	0.00E+00	3.98E-01	3.98E-01	3.62E-01	3.62E-01	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	4.00E-01	4.00E-01	3.64E-01	3.64E-01	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	3.29E-01	3.29E-01	2.99E-01	2.99E-01	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	2.26E-01	2.26E-01	2.05E-01	2.05E-01	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	1.30E+02	2.57E+03	6.48E+02	2.13E+00	2.13E+00	1.94E+00	1.99E+00	1.30E+02	2.57E+03
K2	0.00E+00	2.43E+03	0.00E+00	1.67E+00	1.67E+00	1.52E+00	1.52E+00	0.00E+00	2.43E+03
K3	0.00E+00	0.00E+00	0.00E+00	1.24E-01	1.24E-01	1.13E-01	1.13E-01	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	1.54E-01	1.54E-01	1.40E-01	1.40E-01	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	1.05E+03	0.00E+00	8.18E-01	8.18E-01	7.44E-01	7.44E-01	0.00E+00	1.05E+03
L2	0.00E+00	0.00E+00	0.00E+00	3.42E-01	3.42E-01	3.11E-01	3.11E-01	0.00E+00	0.00E+00
L3	0.00E+00	8.30E+02	0.00E+00	5.30E-01	5.30E-01	4.82E-01	4.82E-01	0.00E+00	8.30E+02
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	1.22E-01	1.22E-01	1.11E-01	1.11E-01	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	1.69E-01	1.69E-01	1.54E-01	1.54E-01	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	2.61E+02	4.90E+03	1.29E+03	4.26E+00	4.26E+00	3.87E+00	3.98E+00	2.61E+02	4.90E+03
0.3Mile	1.91E+02	3.59E+03	9.48E+02	3.12E+00	3.12E+00	2.84E+00	2.92E+00	1.91E+02	3.59E+03
0.5 Mile	1.74E+02	3.26E+03	8.62E+02	2.84E+00	2.84E+00	2.58E+00	2.65E+00	1.74E+02	3.26E+03
					PLUME SEGMENT:				9


CURRENT TEDE DOSE RATE – (Rem/hr)
11-14-95
11:01:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 9
HOURS: 2.25
CONTOUR SCALE:
1.0E-003
1.0E-004
1.0E-005
1.0E-006
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		10		11:16	to	11:31	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	9.24E-01	9.21E-01	2.53E-03	4.17E+00	1.66E-06	2.14E-05	3.04E+04
2 Mile	5.90E-04	5.90E-04	0.00E+00	6.66E-03	0.00E+00	1.62E-08	0.00E+00
3 Mile	2.49E-04	2.49E-04	0.00E+00	2.84E-03	0.00E+00	0.00E+00	0.00E+00
4 Mile	2.26E-04	2.26E-04	0.00E+00	2.39E-03	0.00E+00	0.00E+00	0.00E+00
5 Mile	1.45E-04	1.45E-04	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00
6 Mile	1.91E-04	1.91E-04	0.00E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00
8 Mile	2.19E-04	2.19E-04	0.00E+00	1.99E-03	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	1.31E-04	1.31E-04	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	6.95E-01	6.93E-01	1.89E-03	3.14E+00	1.25E-06	1.62E-05	2.27E+04
K2	5.83E-01	5.81E-01	1.55E-03	2.64E+00	1.05E-06	1.37E-05	1.86E+04
K3	0.00E+00	0.00E+00	0.00E+00	7.82E-02	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.83E-01	2.82E-01	7.69E-04	1.28E+00	5.07E-07	6.57E-06	9.23E+03
L2	1.19E-01	1.19E-01	3.15E-04	5.39E-01	2.14E-07	2.81E-06	3.78E+03
L3	2.97E-04	2.97E-04	0.00E+00	3.37E-03	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	7.43E-04	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.39E+00	1.38E+00	3.80E-03	6.26E+00	2.49E-06	3.21E-05	4.55E+04
0.3Mile	1.02E+00	1.01E+00	2.78E-03	4.59E+00	1.83E-06	2.35E-05	3.34E+04
0.5 Mile	9.24E-01	9.21E-01	2.53E-03	4.17E+00	1.66E-06	2.14E-05	3.04E+04
			PLUME SEGMENT:				10

NEBRASKA FIELD TEAM DATA

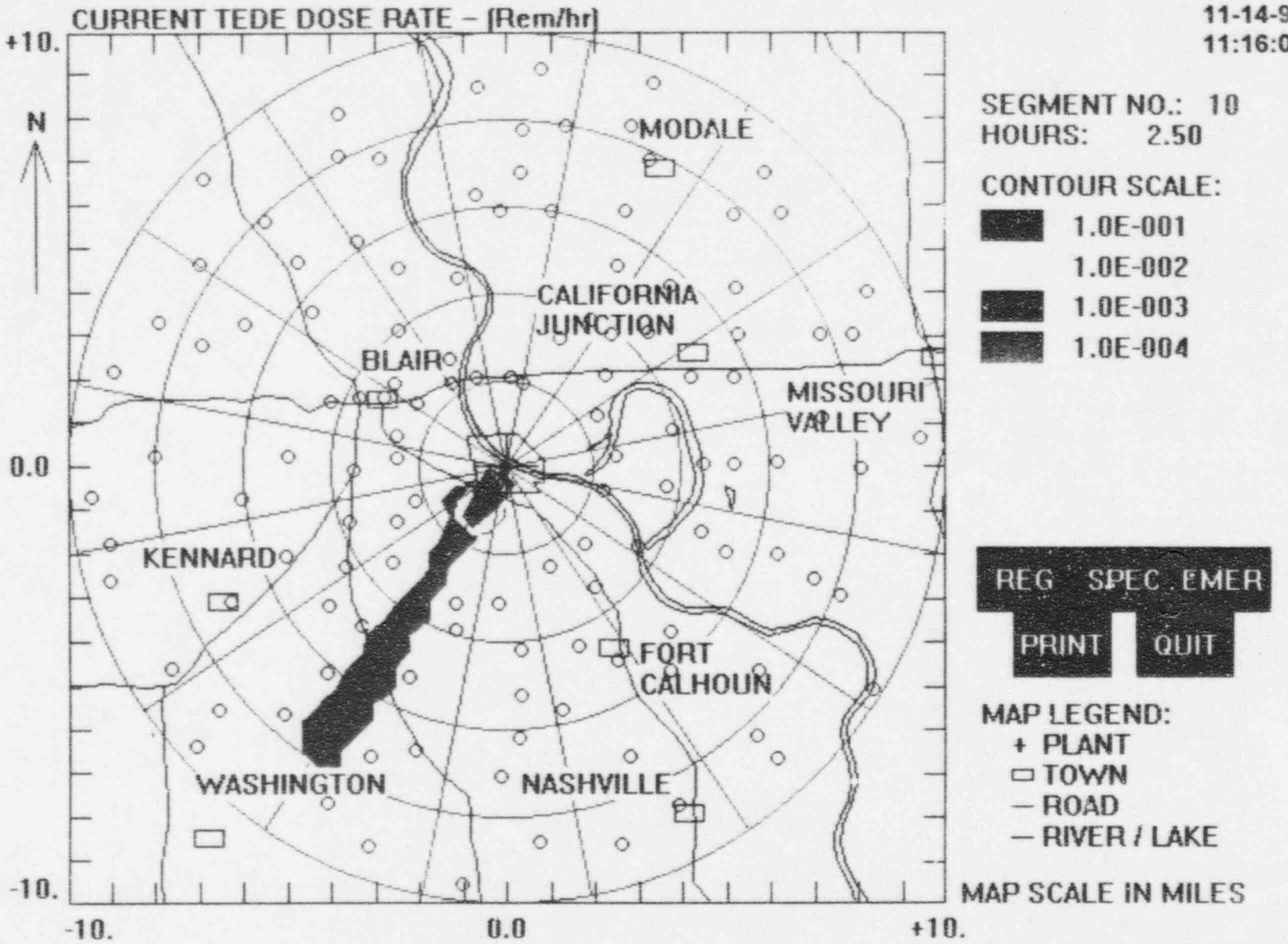
NEBRASKA FIELD TEAM EQUIPMENT DATA											
PLUME SEGMENT:	10	10				TIME:	11:16	to	11:31		
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)			
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm	
SB	2.69E+06	2.02E+06	4.04E+05	1.02E+03	1.02E+03	9.24E+02	9.25E+02	2.09E+03	1.04E+03	3.13E+02	
2 Mile	2.04E+03	1.53E+03	3.06E+02	6.49E-01	6.49E-01	5.90E-01	5.90E-01	0.00E+00	0.00E+00	0.00E+00	
3 Mile	0.00E+00	0.00E+00	0.00E+00	2.74E-01	2.74E-01	2.49E-01	2.49E-01	0.00E+00	0.00E+00	0.00E+00	
4 Mile	0.00E+00	0.00E+00	0.00E+00	2.49E-01	2.49E-01	2.26E-01	2.26E-01	0.00E+00	0.00E+00	0.00E+00	
5 Mile	0.00E+00	0.00E+00	0.00E+00	1.60E-01	1.60E-01	1.45E-01	1.45E-01	0.00E+00	0.00E+00	0.00E+00	
6 Mile	0.00E+00	0.00E+00	0.00E+00	2.10E-01	2.10E-01	1.91E-01	1.91E-01	0.00E+00	0.00E+00	0.00E+00	
8 Mile	0.00E+00	0.00E+00	0.00E+00	2.41E-01	2.41E-01	2.19E-01	2.19E-01	0.00E+00	0.00E+00	0.00E+00	
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Japp Dair	0.00E+00	0.00E+00	0.00E+00	1.44E-01	1.44E-01	1.31E-01	1.31E-01	0.00E+00	0.00E+00	0.00E+00	
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K1	2.04E+06	1.53E+06	3.06E+05	7.65E+02	7.65E+02	6.95E+02	6.96E+02	1.57E+03	7.86E+02	2.36E+02	
K2	1.72E+06	1.29E+06	2.58E+05	6.41E+02	6.41E+02	5.83E+02	5.84E+02	1.32E+03	6.60E+02	1.98E+02	
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L1	8.26E+05	6.20E+05	1.24E+05	3.11E+02	3.11E+02	2.83E+02	2.83E+02	6.38E+02	3.19E+02	9.56E+01	
L2	3.53E+05	2.65E+05	5.30E+04	1.31E+02	1.31E+02	1.19E+02	1.19E+02	2.69E+02	1.35E+02	4.04E+01	
L3	0.00E+00	0.00E+00	0.00E+00	3.27E-01	3.27E-01	2.97E-01	2.97E-01	0.00E+00	0.00E+00	0.00E+00	
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
0.1Mile	4.04E+06	3.03E+06	6.05E+05	1.52E+03	1.52E+03	1.39E+03	1.39E+03	3.13E+03	1.57E+03	4.70E+02	
0.3Mile	2.96E+06	2.22E+06	4.44E+05	1.12E+03	1.12E+03	1.02E+03	1.02E+03	2.30E+03	1.15E+03	3.44E+02	
0.5 Mile	2.69E+06	2.02E+06	4.04E+05	1.02E+03	1.02E+03	9.24E+02	9.25E+02	2.09E+03	1.04E+03	3.13E+02	
						PLUME SEGMENT:				10	

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	10	10	TIME:	11:16	to	11:31			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	3.04E+03	1.35E+06	1.04E+05	1.02E+03	1.02E+03	9.24E+02	9.25E+02	3.04E+03	1.35E+06
2 Mile	0.00E+00	1.02E+03	0.00E+00	6.49E-01	6.49E-01	5.90E-01	5.90E-01	0.00E+00	1.02E+03
3 Mile	0.00E+00	0.00E+00	0.00E+00	2.74E-01	2.74E-01	2.49E-01	2.49E-01	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	2.49E-01	2.49E-01	2.26E-01	2.26E-01	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	1.60E-01	1.60E-01	1.45E-01	1.45E-01	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	2.10E-01	2.10E-01	1.91E-01	1.91E-01	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	2.41E-01	2.41E-01	2.19E-01	2.19E-01	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	1.44E-01	1.44E-01	1.31E-01	1.31E-01	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	2.27E+03	1.02E+06	7.86E+04	7.65E+02	7.65E+02	6.95E+02	6.96E+02	2.27E+03	1.02E+06
K2	1.86E+03	8.62E+05	6.60E+04	6.41E+02	6.41E+02	5.83E+02	5.84E+02	1.86E+03	8.62E+05
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	9.23E+02	4.13E+05	3.19E+04	3.11E+02	3.11E+02	2.83E+02	2.83E+02	9.23E+02	4.13E+05
L2	3.78E+02	1.77E+05	1.35E+04	1.31E+02	1.31E+02	1.19E+02	1.19E+02	3.78E+02	1.77E+05
L3	0.00E+00	0.00E+00	0.00E+00	3.27E-01	3.27E-01	2.97E-01	2.97E-01	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	4.55E+03	2.02E+06	1.57E+05	1.52E+03	1.52E+03	1.39E+03	1.39E+03	4.55E+03	2.02E+06
0.3Mile	3.34E+03	1.48E+06	1.15E+05	1.12E+03	1.12E+03	1.02E+03	1.02E+03	3.34E+03	1.48E+06
0.5 Mile	3.04E+03	1.35E+06	1.04E+05	1.02E+03	1.02E+03	9.24E+02	9.25E+02	3.04E+03	1.35E+06
					PLUME SEGMENT:				**10**

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	10	10	TIME:	11:16	to	11:31			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	3.04E+03	1.35E+06	1.04E+05	1.02E+03	1.02E+03	9.24E+02	9.25E+02	3.04E+03	1.35E+06
2 Mile	0.00E+00	1.02E+03	0.00E+00	6.49E-01	6.49E-01	5.90E-01	5.90E-01	0.00E+00	1.02E+03
3 Mile	0.00E+00	0.00E+00	0.00E+00	2.74E-01	2.74E-01	2.49E-01	2.49E-01	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	2.49E-01	2.49E-01	2.26E-01	2.26E-01	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	1.60E-01	1.60E-01	1.45E-01	1.45E-01	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	2.10E-01	2.10E-01	1.91E-01	1.91E-01	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	2.41E-01	2.41E-01	2.19E-01	2.19E-01	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	1.44E-01	1.44E-01	1.31E-01	1.31E-01	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	2.27E+03	1.02E+06	7.86E+04	7.65E+02	7.65E+02	6.95E+02	6.96E+02	2.27E+03	1.02E+06
K2	1.86E+03	8.62E+05	6.60E+04	6.41E+02	6.41E+02	5.83E+02	5.84E+02	1.86E+03	8.62E+05
K3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	9.23E+02	4.13E+05	3.19E+04	3.11E+02	3.11E+02	2.83E+02	2.83E+02	9.23E+02	4.13E+05
L2	3.78E+02	1.77E+05	1.35E+04	1.31E+02	1.31E+02	1.19E+02	1.19E+02	3.78E+02	1.77E+05
L3	0.00E+00	0.00E+00	0.00E+00	3.27E-01	3.27E-01	2.97E-01	2.97E-01	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	4.55E+03	2.02E+06	1.57E+05	1.52E+03	1.52E+03	1.39E+03	1.39E+03	4.55E+03	2.02E+06
0.3Mile	3.34E+03	1.48E+06	1.15E+05	1.12E+03	1.12E+03	1.02E+03	1.02E+03	3.34E+03	1.48E+06
0.5 Mile	3.04E+03	1.35E+06	1.04E+05	1.02E+03	1.02E+03	9.24E+02	9.25E+02	3.04E+03	1.35E+06
					PLUME SEGMENT:				10


CURRENT TEDE DOSE RATE – (Rem/hr)
11-14-95
11:16:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 10
HOURS: 2.50
CONTOUR SCALE:
1.0E-001
1.0E-002
1.0E-003
1.0E-004
REG
SPEC
EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:	11		11:31	to	11:46		
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	2.17E+00	2.16E+00	8.93E-03	1.12E+01	4.67E-06	4.84E-05	1.07E+05
2 Mile	2.21E-01	2.21E-01	5.67E-04	1.00E+00	3.99E-07	5.21E-06	6.80E+03
3 Mile	9.43E-02	9.40E-02	2.30E-04	4.26E-01	1.70E-07	2.20E-06	2.76E+03
4 Mile	1.36E-04	1.36E-04	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00
6 Mile	1.15E-04	1.15E-04	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00
8 Mile	1.36E-04	1.36E-04	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	1.59E-04	1.59E-04	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	8.43E-04	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	0.00E+00	0.00E+00
K1	1.64E+00	1.63E+00	6.69E-03	8.41E+00	3.52E-06	3.66E-05	8.03E+04
K2	1.38E+00	1.37E+00	5.50E-03	7.10E+00	2.97E-06	3.11E-05	6.60E+04
K3	6.31E-02	6.29E-02	1.86E-04	3.25E-01	1.36E-07	1.42E-06	2.23E+03
K4	1.02E-02	1.02E-02	0.00E+00	4.63E-02	1.85E-08	2.38E-07	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	0.00E+00
K9	1.27E-04	1.27E-04	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00
L1	6.62E-01	6.59E-01	2.71E-03	3.40E+00	1.42E-06	1.48E-05	3.25E+04
L2	2.80E-01	2.79E-01	1.11E-03	1.44E+00	6.04E-07	6.23E-06	1.33E+04
L3	1.12E-01	1.12E-01	2.77E-04	5.06E-01	2.02E-07	2.62E-06	3.32E+03
L4	4.09E-03	4.09E-03	0.00E+00	1.85E-02	0.00E+00	9.50E-08	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	3.26E+00	3.24E+00	1.34E-02	1.68E+01	7.01E-06	7.26E-05	1.61E+05
0.3Mile	2.39E+00	2.38E+00	9.82E-03	1.23E+01	5.14E-06	5.32E-05	1.18E+05
0.5 Mile	2.17E+00	2.16E+00	8.93E-03	1.12E+01	4.67E-06	4.84E-05	1.07E+05
			PLUME SEGMENT:				**11**

NEBRASKA FIELD TEAM DATA

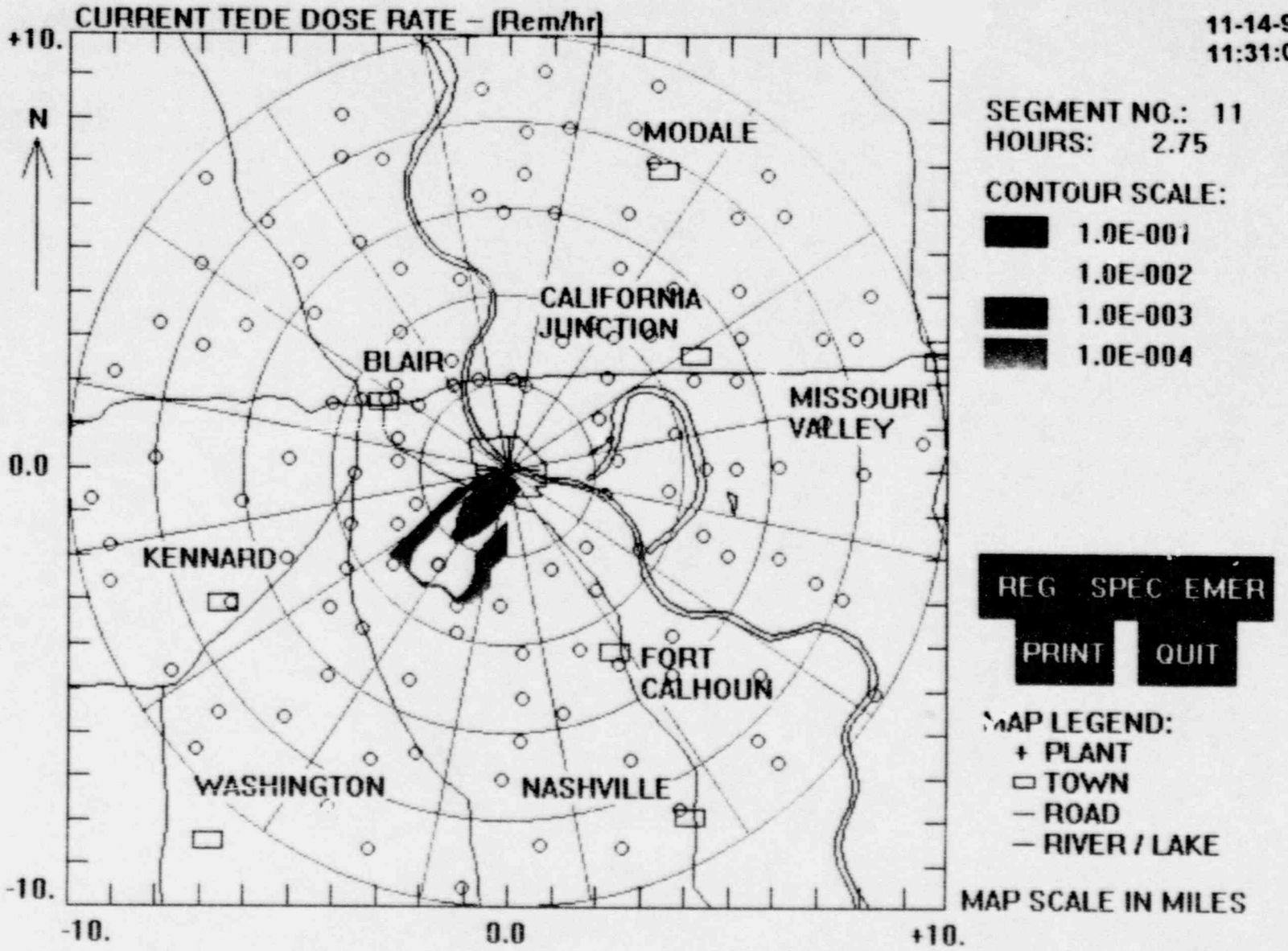
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	11	11				TIME:	11:31	to	11:46	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	6.09E+06	4.56E+06	9.13E+05	2.39E+03	2.39E+03	2.17E+03	2.17E+03	5.87E+03	2.94E+03	8.81E+02
2 Mile	6.55E+05	4.91E+05	9.83E+04	2.43E+02	2.43E+02	2.21E+02	2.21E+02	5.02E+02	2.51E+02	7.53E+01
3 Mile	2.77E+05	2.07E+05	4.15E+04	1.04E+02	1.04E+02	9.43E+01	9.44E+01	2.14E+02	1.07E+02	3.21E+01
4 Mile	0.00E+00	0.00E+00	0.00E+00	1.50E-01	1.50E-01	1.36E-01	1.36E-01	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	1.27E-01	1.27E-01	1.15E-01	1.15E-01	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	1.50E-01	1.50E-01	1.36E-01	1.36E-01	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	1.75E-01	1.75E-01	1.59E-01	1.59E-01	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	4.60E+06	3.45E+06	6.90E+05	1.80E+03	1.80E+03	1.64E+03	1.64E+03	4.43E+03	2.21E+03	6.64E+02
K2	3.91E+06	2.93E+06	5.87E+05	1.52E+03	1.52E+03	1.38E+03	1.38E+03	3.73E+03	1.87E+03	5.60E+02
K3	1.79E+05	1.34E+05	2.68E+04	6.94E+01	6.94E+01	6.31E+01	6.32E+01	1.71E+02	8.55E+01	2.57E+01
K4	2.99E+04	2.24E+04	4.49E+03	1.12E+01	1.12E+01	1.02E+01	1.02E+01	2.33E+01	1.16E+01	3.49E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	1.40E-01	1.40E-01	1.27E-01	1.27E-01	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	1.86E+06	1.40E+06	2.79E+05	7.28E+02	7.28E+02	6.62E+02	6.63E+02	1.79E+03	8.93E+02	2.68E+02
L2	7.83E+05	5.88E+05	1.18E+05	3.08E+02	3.08E+02	2.80E+02	2.81E+02	7.59E+02	3.80E+02	1.14E+02
L3	3.29E+05	2.47E+05	4.94E+04	1.23E+02	1.23E+02	1.12E+02	1.12E+02	2.54E+02	1.27E+02	3.81E+01
L4	1.19E+04	8.96E+03	1.79E+03	4.50E+00	4.50E+00	4.09E+00	4.09E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	9.13E+06	6.85E+06	1.37E+06	3.58E+03	3.58E+03	3.26E+03	3.26E+03	8.81E+03	4.40E+03	1.32E+03
0.3Mile	6.69E+06	5.02E+06	1.00E+06	2.63E+03	2.63E+03	2.39E+03	2.39E+03	6.46E+03	3.23E+03	9.69E+02
0.5 Mile	6.09E+06	4.56E+06	9.13E+05	2.39E+03	2.39E+03	2.17E+03	2.17E+03	5.87E+03	2.94E+03	8.81E+02
						PLUME SEGMENT:				11

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	11	11	TIME:	11:31	to	11:46			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	1.07E+04	3.04E+06	2.94E+05	2.39E+03	2.39E+03	2.17E+03	2.17E+03	1.07E+04	3.04E+06
2 Mile	6.80E+02	3.28E+05	2.51E+04	2.43E+02	2.43E+02	2.21E+02	2.21E+02	6.80E+02	3.28E+05
3 Mile	2.76E+02	1.38E+05	1.07E+04	1.04E+02	1.04E+02	9.43E+01	9.44E+01	2.76E+02	1.38E+05
4 Mile	0.00E+00	0.00E+00	0.00E+00	1.50E-01	1.50E-01	1.36E-01	1.36E-01	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	1.27E-01	1.27E-01	1.15E-01	1.15E-01	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	1.50E-01	1.50E-01	1.36E-01	1.36E-01	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	1.75E-01	1.75E-01	1.59E-01	1.59E-01	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	8.03E+03	2.30E+06	2.21E+05	1.80E+03	1.80E+03	1.64E+03	1.64E+03	8.03E+03	2.30E+06
K2	6.60E+03	1.96E+06	1.87E+05	1.52E+03	1.52E+03	1.38E+03	1.38E+03	6.60E+03	1.96E+06
K3	2.23E+02	8.93E+04	8.55E+03	6.94E+01	6.94E+01	6.31E+01	6.32E+01	2.23E+02	8.93E+04
K4	0.00E+00	1.50E+04	1.16E+03	1.12E+01	1.12E+01	1.02E+01	1.02E+01	0.00E+00	1.50E+04
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	1.40E-01	1.40E-01	1.27E-01	1.27E-01	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	3.25E+03	9.31E+05	8.93E+04	7.28E+02	7.28E+02	6.62E+02	6.63E+02	3.25E+03	9.31E+05
L2	1.33E+03	3.92E+05	3.80E+04	3.08E+02	3.08E+02	2.80E+02	2.81E+02	1.33E+03	3.92E+05
L3	3.32E+02	1.65E+05	1.27E+04	1.23E+02	1.23E+02	1.12E+02	1.12E+02	3.32E+02	1.65E+05
L4	0.00E+00	5.97E+03	0.00E+00	4.50E+00	4.50E+00	4.09E+00	4.09E+00	0.00E+00	5.97E+03
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.61E+04	4.57E+06	4.41E+05	3.58E+03	3.58E+03	3.26E+03	3.26E+03	1.61E+04	4.57E+06
0.3Mile	1.18E+04	3.35E+06	3.23E+05	2.63E+03	2.63E+03	2.39E+03	2.39E+03	1.18E+04	3.35E+06
0.5 Mile	1.07E+04	3.04E+06	2.94E+05	2.39E+03	2.39E+03	2.17E+03	2.17E+03	1.07E+04	3.04E+06
					PLUME SEGMENT:				11

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	11	11	TIME:	11:31	to	11:46			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	1.07E+04	3.04E+06	2.94E+05	2.39E+03	2.39E+03	2.17E+03	2.17E+03	1.07E+04	3.04E+06
2 Mile	6.80E+02	3.28E+05	2.51E+04	2.43E+02	2.43E+02	2.21E+02	2.21E+02	6.80E+02	3.28E+05
3 Mile	2.76E+02	1.38E+05	1.07E+04	1.04E+02	1.04E+02	9.43E+01	9.44E+01	2.76E+02	1.38E+05
4 Mile	0.00E+00	0.00E+00	0.00E+00	1.50E-01	1.50E-01	1.36E-01	1.36E-01	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	1.27E-01	1.27E-01	1.15E-01	1.15E-01	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	1.50E-01	1.50E-01	1.36E-01	1.36E-01	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	1.75E-01	1.75E-01	1.59E-01	1.59E-01	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	8.03E+03	2.30E+06	2.21E+05	1.80E+03	1.80E+03	1.64E+03	1.64E+03	8.03E+03	2.30E+06
K2	6.60E+03	1.96E+06	1.87E+05	1.52E+03	1.52E+03	1.38E+03	1.38E+03	6.60E+03	1.96E+06
K3	2.23E+02	8.93E+04	8.55E+03	6.94E+01	6.94E+01	6.31E+01	6.32E+01	2.23E+02	8.93E+04
K4	0.00E+00	1.50E+04	1.16E+03	1.12E+01	1.12E+01	1.02E+01	1.02E+01	0.00E+00	1.50E+04
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	1.40E-01	1.40E-01	1.27E-01	1.27E-01	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	3.25E+03	9.31E+05	8.93E+04	7.28E+02	7.28E+02	6.62E+02	6.63E+02	3.25E+03	9.31E+05
L2	1.33E+03	3.92E+05	3.80E+04	3.08E+02	3.08E+02	2.80E+02	2.81E+02	1.33E+03	3.92E+05
L3	3.32E+02	1.65E+05	1.27E+04	1.23E+02	1.23E+02	1.12E+02	1.12E+02	3.32E+02	1.65E+05
L4	0.00E+00	5.97E+03	0.00E+00	4.50E+00	4.50E+00	4.09E+00	4.09E+00	0.00E+00	5.97E+03
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.61E+04	4.57E+06	4.41E+05	3.58E+03	3.58E+03	3.26E+03	3.26E+03	1.61E+04	4.57E+06
0.3Mile	1.18E+04	3.35E+06	3.23E+05	2.63E+03	2.63E+03	2.39E+03	2.39E+03	1.18E+04	3.35E+06
0.5 Mile	1.07E+04	3.04E+06	2.94E+05	2.39E+03	2.39E+03	2.17E+03	2.17E+03	1.07E+04	3.04E+06
					PLUME SEGMENT:				11


CURRENT TEDE DOSE RATE – (Rem/hr)
11-14-95
11:31:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 11
HOURS: 2.75
CONTOUR SCALE:
1.0E-001
1.0E-002
1.0E-003
1.0E-004
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:	12		11:46	to	12:01		
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	8.12E-03	0.00E+00	8.12E-03	0.00E+00	0.00E+00	0.00E+00	9.74E+04
2 Mile	5.17E-04	0.00E+00	5.17E-04	0.00E+00	0.00E+00	0.00E+00	6.20E+03
3 Mile	2.01E-01	2.01E-01	7.46E-04	1.03E+00	4.35E-07	4.49E-06	8.95E+03
4 Mile	4.63E-02	4.61E-02	1.10E-04	2.09E-01	8.37E-08	1.07E-06	1.32E+03
5 Mile	3.16E-02	3.16E-02	0.00E+00	1.43E-01	5.74E-08	7.16E-07	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	7.19E-04	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	7.93E-04	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	6.08E-03	0.00E+00	6.08E-03	0.00E+00	0.00E+00	0.00E+00	7.30E+04
K2	5.01E-03	0.00E+00	5.01E-03	0.00E+00	0.00E+00	0.00E+00	6.01E+04
K3	1.69E-04	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	2.03E+03
K4	2.17E-02	2.17E-02	0.00E+00	1.12E-01	4.71E-08	4.84E-07	0.00E+00
K5	4.99E-03	4.99E-03	0.00E+00	2.58E-02	1.09E-08	1.11E-07	0.00E+00
K6	1.18E-02	1.18E-02	0.00E+00	5.34E-02	2.15E-08	2.66E-07	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.46E-03	0.00E+00	2.46E-03	0.00E+00	0.00E+00	0.00E+00	2.95E+04
L2	1.01E-03	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	1.21E+04
L3	2.39E-01	0.00E+00	9.21E-04	1.23E+00	5.17E-07	5.35E-06	1.11E+04
L4	8.63E-03	8.63E-03	0.00E+00	4.46E-02	1.88E-08	1.93E-07	0.00E+00
L5	1.51E-02	1.51E-02	0.00E+00	6.84E-02	2.74E-08	3.43E-07	0.00E+00
L6	5.60E-04	5.60E-04	0.00E+00	2.54E-03	0.00E+00	1.27E-08	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.22E-02	0.00E+00	1.22E-02	0.00E+00	0.00E+00	0.00E+00	1.46E+05
0.3Mile	8.93E-03	0.00E+00	8.93E-03	0.00E+00	0.00E+00	0.00E+00	1.07E+05
0.5 Mile	8.12E-03	0.00E+00	8.12E-03	0.00E+00	0.00E+00	0.00E+00	9.74E+04
			PLUME SEGMENT:				12

NEBRASKA FIELD TEAM DATA

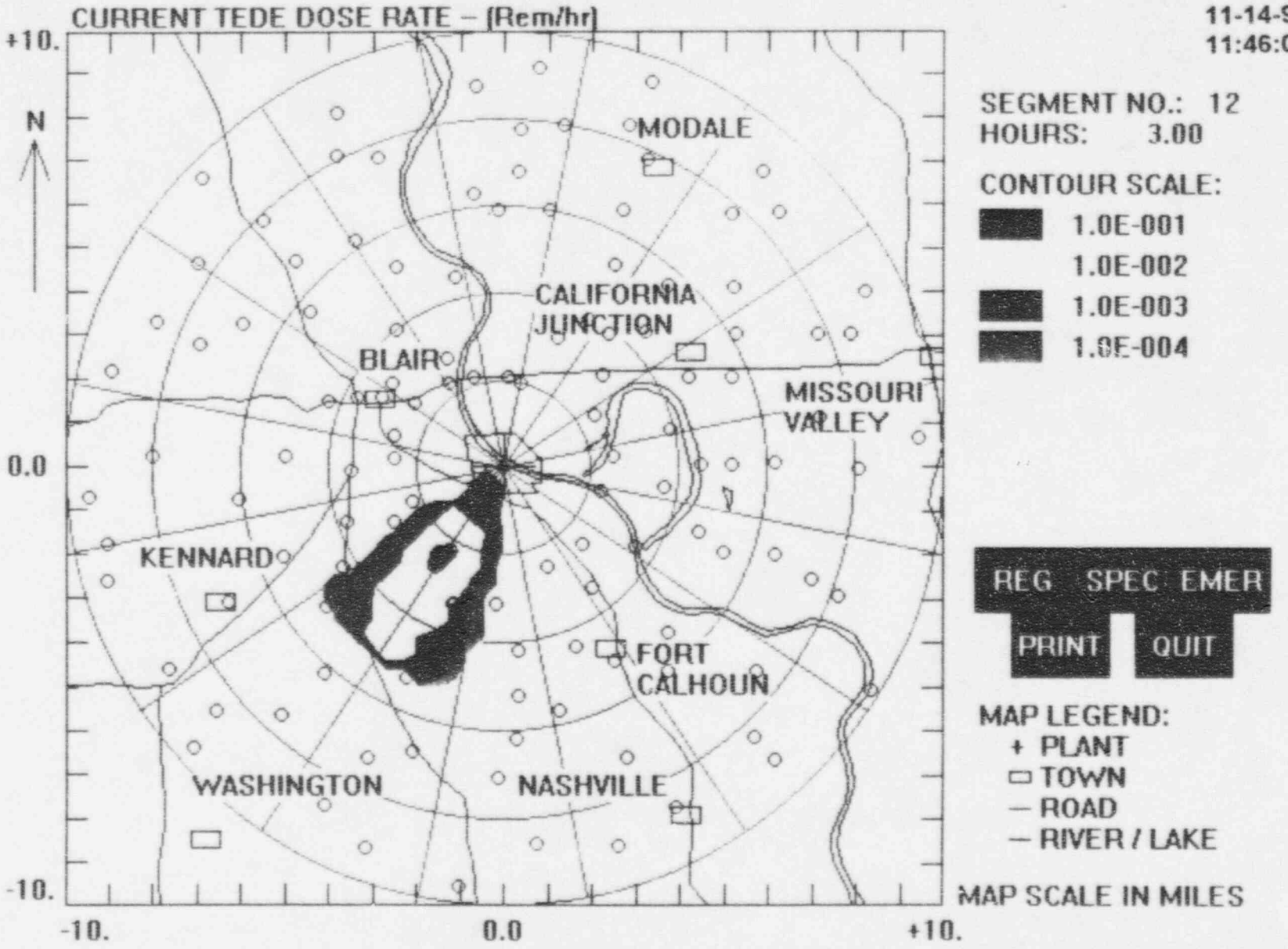
NEBRASKA FIELD TEAM EQUIPMENT DATA											
PLUME SEGMENT:	12	12				TIME:	11:46	to	12:01		
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)			
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm	
SB	0.00E+00	0.00E+00	0.00E+00	8.93E+00	8.93E+00	8.12E+00	1.22E+01	0.00E+00	0.00E+00	0.00E+00	
2 Mile	0.00E+00	0.00E+00	0.00E+00	5.69E-01	5.69E-01	5.17E-01	7.76E-01	0.00E+00	0.00E+00	0.00E+00	
3 Mile	5.65E+05	4.23E+05	8.47E+04	2.21E+02	2.21E+02	2.01E+02	2.01E+02	5.47E+02	2.73E+02	8.20E+01	
4 Mile	1.35E+05	1.01E+05	2.02E+04	5.09E+01	5.09E+01	4.63E+01	4.64E+01	1.05E+02	5.26E+01	1.58E+01	
5 Mile	9.00E+04	6.75E+04	1.35E+04	3.48E+01	3.48E+01	3.16E+01	3.13E+01	7.22E+01	3.61E+01	1.08E+01	
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K1	0.00E+00	0.00E+00	0.00E+00	6.69E+00	6.69E+00	6.08E+00	9.12E+00	0.00E+00	0.00E+00	0.00E+00	
K2	0.00E+00	0.00E+00	0.00E+00	5.51E+00	5.51E+00	5.01E+00	7.52E+00	0.00E+00	0.00E+00	0.00E+00	
K3	0.00E+00	0.00E+00	0.00E+00	1.86E-01	1.86E-01	1.69E-01	2.54E-01	0.00E+00	0.00E+00	0.00E+00	
K4	6.09E+04	4.56E+04	9.13E+03	2.39E+01	2.39E+01	2.17E+01	2.17E+01	5.92E+01	2.96E+01	8.88E+00	
K5	1.40E+04	1.05E+04	2.09E+03	5.49E+00	5.49E+00	4.99E+00	4.99E+00	1.37E+01	6.85E+00	2.06E+00	
K6	3.34E+04	2.51E+04	5.02E+03	1.30E+01	1.30E+01	1.18E+01	1.18E+01	2.70E+01	1.35E+01	4.06E+00	
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L1	0.00E+00	0.00E+00	0.00E+00	2.71E+00	2.71E+00	2.46E+00	3.69E+00	0.00E+00	0.00E+00	0.00E+00	
L2	0.00E+00	0.00E+00	0.00E+00	1.11E+00	1.11E+00	1.01E+00	1.52E+00	0.00E+00	0.00E+00	0.00E+00	
L3	6.73E+05	5.05E+05	1.01E+05	2.63E+02	2.63E+02	2.39E+02	2.39E+02	6.50E+02	3.25E+02	9.75E+01	
L4	2.43E+04	1.82E+04	3.64E+03	9.49E+00	9.49E+00	8.63E+00	8.63E+00	2.36E+01	1.18E+01	3.55E+00	
L5	4.31E+04	3.23E+04	6.47E+03	1.66E+01	1.66E+01	1.51E+01	1.51E+01	3.45E+01	1.72E+01	5.17E+00	
L6	1.60E+03	1.20E+03	2.40E+02	6.16E-01	6.16E-01	5.60E-01	5.60E-01	0.00E+00	0.00E+00	0.00E+00	
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
0.1Mile	0.00E+00	0.00E+00	0.00E+00	1.34E+01	1.34E+01	1.22E+01	1.83E+01	0.00E+00	0.00E+00	0.00E+00	
0.3Mile	0.00E+00	0.00E+00	0.00E+00	9.83E+00	9.83E+00	8.93E+00	1.34E+01	0.00E+00	0.00E+00	0.00E+00	
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	8.93E+00	8.93E+00	8.12E+00	1.22E+01	0.00E+00	0.00E+00	0.00E+00	
						PLUME SEGMENT:				12	

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	12	12	TIME:	11:46	to	12:01			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RSO-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	9.74E+03	0.00E+00	0.00E+00	8.93E+00	8.93E+00	8.12E+00	1.22E+01	9.74E+03	0.00E+00
2 Mile	6.20E+02	0.00E+00	0.00E+00	5.69E-01	5.69E-01	5.17E-01	7.76E-01	6.20E+02	0.00E+00
3 Mile	8.95E+02	2.82E+05	2.74E+04	2.21E+02	2.21E+02	2.01E+02	2.01E+02	8.95E+02	2.82E+05
4 Mile	1.32E+02	6.73E+04	5.26E+03	5.09E+01	5.09E+01	4.63E+01	4.64E+01	1.32E+02	6.73E+04
5 Mile	0.00E+00	4.50E+04	3.61E+03	3.48E+01	3.48E+01	3.16E+01	3.16E+01	0.00E+00	4.50E+04
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	7.30E+03	0.00E+00	0.00E+00	6.69E+00	6.69E+00	6.08E+00	9.12E+00	7.30E+03	0.00E+00
K2	6.01E+03	0.00E+00	0.00E+00	5.51E+00	5.51E+00	5.01E+00	7.52E+00	6.01E+03	0.00E+00
K3	2.03E+02	0.00E+00	0.00E+00	1.86E-01	1.86E-01	1.69E-01	2.54E-01	2.03E+02	0.00E+00
K4	0.00E+00	3.04E+04	2.96E+03	2.39E+01	2.39E+01	2.17E+01	2.17E+01	0.00E+00	3.04E+04
K5	0.00E+00	6.98E+03	6.86E+02	5.49E+00	5.49E+00	4.99E+00	4.99E+00	0.00E+00	6.98E+03
K6	0.00E+00	1.67E+04	1.35E+03	1.30E+01	1.30E+01	1.18E+01	1.18E+01	0.00E+00	1.67E+04
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.95E+03	0.00E+00	0.00E+00	2.71E+00	2.71E+00	2.46E+00	3.69E+00	2.95E+03	0.00E+00
L2	1.21E+03	0.00E+00	0.00E+00	1.11E+00	1.11E+00	1.01E+00	1.52E+00	1.21E+03	0.00E+00
L3	1.11E+03	3.36E+05	3.25E+04	2.63E+02	2.63E+02	2.39E+02	2.39E+02	1.11E+03	3.36E+05
L4	0.00E+00	1.21E+04	1.18E+03	9.49E+00	9.49E+00	8.63E+00	8.63E+00	0.00E+00	1.21E+04
L5	0.00E+00	2.16E+04	1.72E+03	1.66E+01	1.66E+01	1.51E+01	1.51E+01	0.00E+00	2.16E+04
L6	0.00E+00	7.99E+02	0.00E+00	6.16E-01	6.16E-01	5.60E-01	5.60E-01	0.00E+00	7.99E+02
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.46E+04	0.00E+00	0.00E+00	1.34E+01	1.34E+01	1.22E+01	1.83E+01	1.46E+04	0.00E+00
0.3Mile	1.07E+04	0.00E+00	0.00E+00	9.83E+00	9.83E+00	8.93E+00	1.34E+01	1.07E+04	0.00E+00
0.5 Mile	9.74E+03	0.00E+00	0.00E+00	8.93E+00	8.93E+00	8.12E+00	1.22E+01	9.74E+03	0.00E+00
					PLUME SEGMENT:				12

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	12	12	TIME:	11:46	to	12:01			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	9.74E+03	0.00E+00	0.00E+00	8.93E+00	8.93E+00	8.12E+00	1.22E+01	9.74E+03	0.00E+00
2 Mile	6.20E+02	0.00E+00	0.00E+00	5.69E-01	5.69E-01	5.17E-01	7.76E-01	6.20E+02	0.00E+00
3 Mile	8.95E+02	2.82E+05	2.74E+04	2.21E+02	2.21E+02	2.01E+02	2.01E+02	8.95E+02	2.82E+05
4 Mile	1.32E+02	6.73E+04	5.26E+03	5.09E+01	5.09E+01	4.63E+01	4.64E+01	1.32E+02	6.73E+04
5 Mile	0.00E+00	4.50E+04	3.61E+03	3.48E+01	3.48E+01	3.16E+01	3.16E+01	0.00E+00	4.50E+04
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	7.30E+03	0.00E+00	0.00E+00	6.69E+00	6.69E+00	6.08E+00	9.12E+00	7.30E+03	0.00E+00
K2	6.01E+03	0.00E+00	0.00E+00	5.51E+00	5.51E+00	5.01E+00	7.52E+00	6.01E+03	0.00E+00
K3	2.03E+02	0.00E+00	0.00E+00	1.86E-01	1.86E-01	1.69E-01	2.54E-01	2.03E+02	0.00E+00
K4	0.00E+00	3.04E+04	2.96E+03	2.39E+01	2.39E+01	2.17E+01	2.17E+01	0.00E+00	3.04E+04
K5	0.00E+00	6.98E+03	6.86E+02	5.49E+00	5.49E+00	4.99E+00	4.99E+00	0.00E+00	6.98E+03
K6	0.00E+00	1.67E+04	1.35E+03	1.30E+01	1.30E+01	1.18E+01	1.18E+01	0.00E+00	1.67E+04
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.95E+03	0.00E+00	0.00E+00	2.71E+00	2.71E+00	2.46E+00	3.69E+00	2.95E+03	0.00E+00
L2	1.21E+03	0.00E+00	0.00E+00	1.11E+00	1.11E+00	1.01E+00	1.52E+00	1.21E+03	0.00E+00
L3	1.11E+03	3.36E+05	3.25E+04	2.63E+02	2.63E+02	2.39E+02	2.39E+02	1.11E+03	3.36E+05
L4	0.00E+00	1.21E+04	1.18E+03	9.49E+00	9.49E+00	8.63E+00	8.63E+00	0.00E+00	1.21E+04
L5	0.00E+00	2.16E+04	1.72E+03	1.66E+01	1.66E+01	1.51E+01	1.51E+01	0.00E+00	2.16E+04
L6	0.00E+00	7.99E+02	0.00E+00	6.16E-01	6.16E-01	5.60E-01	5.60E-01	0.00E+00	7.99E+02
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0 00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.46E+04	0.00E+00	0.00E+00	1.34E+01	1.34E+01	1.22E+01	1.83E+01	1.46E+04	0.00E+00
0.3Mile	1.07E+04	0.00E+00	0.00E+00	9.83E+00	9.83E+00	8.93E+00	1.34E+01	1.07E+04	0.00E+00
0.5 Mile	9.74E+03	0.00E+00	0.00E+00	8.93E+00	8.93E+00	8.12E+00	1.22E+01	9.74E+03	0.00E+00
					PLUME SEGMENT:				12


CURRENT TEDE DOSE RATE – (Rem/hr)
11-14-95
11:46:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 12
HOURS: 3.00
CONTOUR SCALE:
1.0E-001
1.0E-002
1.0E-003
1.0E-004
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		13		12:01	to	12:16	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	7.43E-03	0.00E+00	7.43E-03	0.00E+00	0.00E+00	0.00E+00	8.92E+04
2 Mile	4.74E-04	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	5.69E+03
3 Mile	6.99E-04	0.00E+00	6.99E-04	0.00E+00	0.00E+00	0.00E+00	8.39E+03
4 Mile	1.01E-04	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.21E+03
5 Mile	7.81E-02	7.79E-02	2.62E-04	4.01E-01	1.70E-07	1.70E-06	3.14E+03
6 Mile	2.45E-02	2.45E-02	0.00E+00	1.11E-01	4.46E-08	5.49E-07	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	5.97E-04	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00
Japp Dair	1.68E-02	1.68E-02	0.00E+00	7.62E-02	3.07E-08	3.75E-07	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	5.57E-03	0.00E+00	5.57E-03	0.00E+00	0.00E+00	0.00E+00	6.68E+04
K2	4.59E-03	0.00E+00	4.59E-03	0.00E+00	0.00E+00	0.00E+00	5.51E+04
K3	1.55E-04	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	1.86E+03
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	2.93E-02	2.93E-02	0.00E+00	1.51E-01	6.39E-08	6.37E-07	0.00E+00
K7	9.47E-04	9.47E-04	0.00E+00	4.29E-03	0.00E+00	2.10E-08	0.00E+00
K8	7.74E-03	7.74E-03	0.00E+00	3.50E-02	1.41E-08	1.70E-07	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.26E-03	0.00E+00	2.26E-03	0.00E+00	0.00E+00	0.00E+00	2.71E+04
L2	9.27E-04	0.00E+00	9.27E-04	0.00E+00	0.00E+00	0.00E+00	1.11E+04
L3	8.42E-04	0.00E+00	8.42E-04	0.00E+00	0.00E+00	0.00E+00	1.01E+04
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	3.72E-02	3.70E-02	1.26E-04	1.91E-01	8.07E-08	8.09E-07	1.51E+03
L6	1.37E-03	1.37E-03	0.00E+00	7.07E-03	0.00E+00	3.00E-08	0.00E+00
L7	1.26E-02	1.26E-02	0.00E+00	5.73E-02	2.30E-08	2.82E-07	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.11E-02	0.00E+00	1.11E-02	0.00E+00	0.00E+00	0.00E+00	1.34E+05
0.3Mile	8.17E-03	0.00E+00	8.17E-03	0.00E+00	0.00E+00	0.00E+00	9.81E+04
0.5 Mile	7.43E-03	0.00E+00	7.43E-03	0.00E+00	0.00E+00	0.00E+00	8.92E+04
			PLUME SEGMENT:				13

NEBRASKA FIELD TEAM DATA

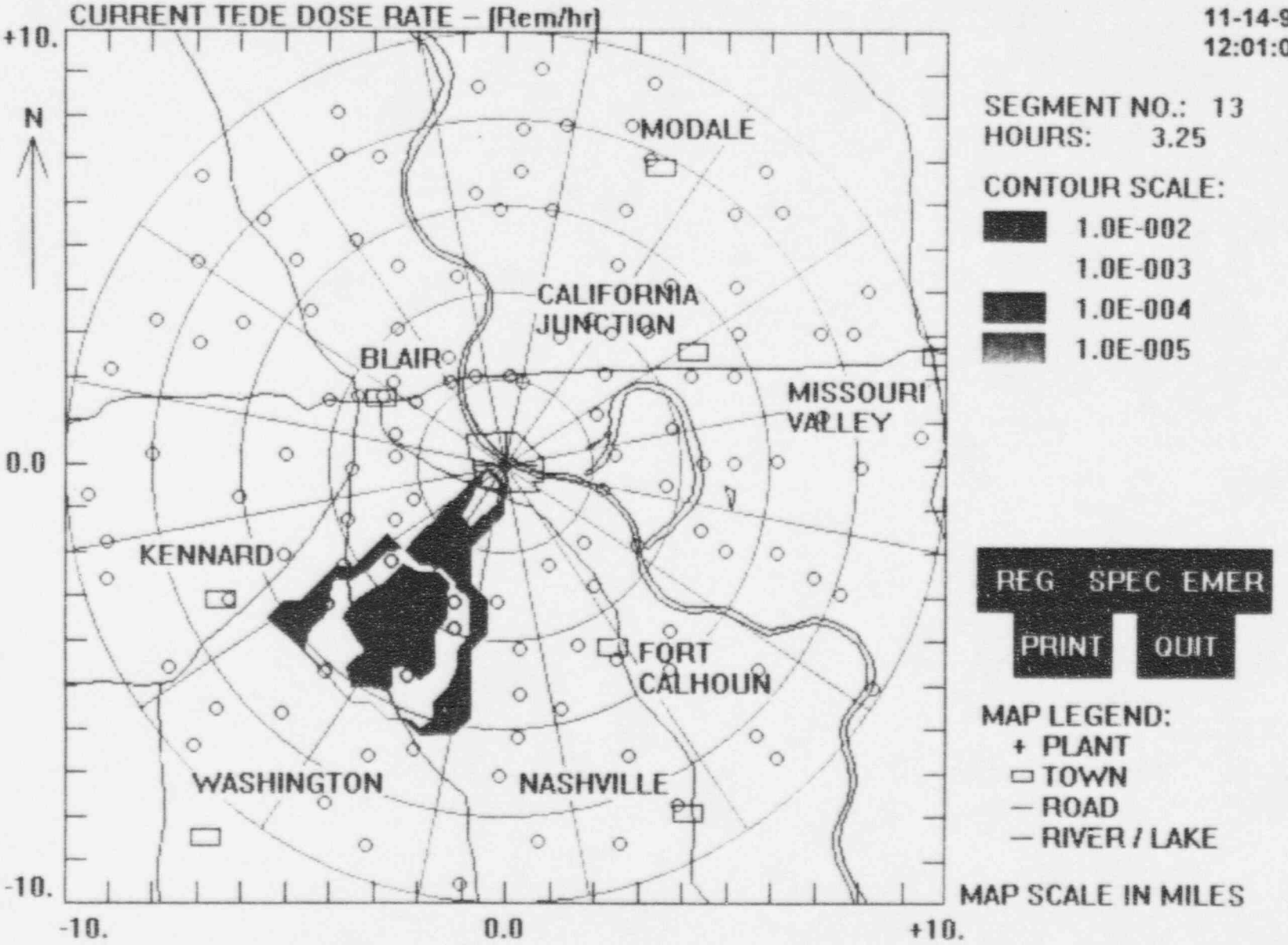
NEBRASKA FIELD TEAM EQUIPMENT DATA											
PLUME SEGMENT:		13	13				TIME:	12:01	to	12:16	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)			
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm	
SB	0.00E+00	0.00E+00	0.00E+00	8.17E+00	8.17E+00	7.43E+00	1.11E+01	0.00E+00	0.00E+00	0.00E+00	
2 Mile	0.00E+00	0.00E+00	0.00E+00	5.21E-01	5.21E-01	4.74E-01	7.11E-01	0.00E+00	0.00E+00	0.00E+00	
3 Mile	0.00E+00	0.00E+00	0.00E+00	7.69E-01	7.69E-01	6.99E-01	1.05E+00	0.00E+00	0.00E+00	0.00E+00	
4 Mile	0.00E+00	0.00E+00	0.00E+00	1.11E-01	1.11E-01	1.01E-01	1.52E-01	0.00E+00	0.00E+00	0.00E+00	
5 Mile	2.14E+05	1.60E+05	3.21E+04	8.59E+01	8.59E+01	7.81E+01	7.82E+01	2.14E+02	1.07E+02	3.21E+01	
6 Mile	6.90E+04	5.18E+04	1.04E+04	2.70E+01	2.70E+01	2.45E+01	2.45E+01	5.61E+01	2.80E+01	8.41E+00	
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Japp Dair	4.72E+04	3.54E+04	7.07E+03	1.85E+01	1.85E+01	1.68E+01	1.68E+01	3.86E+01	1.93E+01	5.79E+00	
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K1	0.00E+00	0.00E+00	0.00E+00	6.13E+00	6.13E+00	5.57E+00	8.36E+00	0.00E+00	0.00E+00	0.00E+00	
K2	0.00E+00	0.00E+00	0.00E+00	5.05E+00	5.05E+00	4.59E+00	6.89E+00	0.00E+00	0.00E+00	0.00E+00	
K3	0.00E+00	0.00E+00	0.00E+00	1.71E-01	1.71E-01	1.55E-01	2.33E-01	0.00E+00	0.00E+00	0.00E+00	
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K6	8.01E+04	6.01E+04	1.20E+04	3.22E+01	3.22E+01	2.93E+01	2.93E+01	8.03E+01	4.02E+01	1.21E+01	
K7	2.64E+03	1.98E+03	3.96E+02	1.04E+00	1.04E+00	9.47E-01	9.47E-01	0.00E+00	0.00E+00	0.00E+00	
K8	2.14E+04	1.60E+04	3.21E+03	8.51E+00	8.51E+00	7.74E+00	7.74E+00	1.77E+01	8.86E+00	2.66E+00	
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L1	0.00E+00	0.00E+00	0.00E+00	2.49E+00	2.49E+00	2.26E+00	3.39E+00	0.00E+00	0.00E+00	0.00E+00	
L2	0.00E+00	0.00E+00	0.00E+00	1.02E+00	1.02E+00	9.27E-01	1.39E+00	0.00E+00	0.00E+00	0.00E+00	
L3	0.00E+00	0.00E+00	0.00E+00	9.26E-01	9.26E-01	8.42E-01	1.26E+00	0.00E+00	0.00E+00	0.00E+00	
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L5	1.02E+05	7.63E+04	1.53E+04	4.09E+01	4.09E+01	3.72E+01	3.73E+01	1.01E+02	5.07E+01	1.52E+01	
L6	3.77E+03	2.83E+03	5.66E+02	1.51E+00	1.51E+00	1.37E+00	1.37E+00	0.00E+00	0.00E+00	0.00E+00	
L7	3.55E+04	2.66E+04	5.32E+03	1.39E+01	1.39E+01	1.26E+01	1.26E+01	2.89E+01	1.45E+01	4.34E+00	
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
0.1Mile	0.00E+00	0.00E+00	0.00E+00	1.23E+01	1.23E+01	1.11E+01	1.67E+01	0.00E+00	0.00E+00	0.00E+00	
0.3Mile	0.00E+00	0.00E+00	0.00E+00	8.99E+00	8.99E+00	8.17E+00	1.23E+01	0.00E+00	0.00E+00	0.00E+00	
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	8.17E+00	8.17E+00	7.43E+00	1.11E+01	0.00E+00	0.00E+00	0.00E+00	
						PLUME SEGMENT:				13	

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	13	13	TIME:	12:01	to	12:16			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	8.92E+03	0.00E+00	0.00E+00	8.17E+00	8.17E+00	7.43E+00	1.11E+01	8.92E+03	0.00E+00
2 Mile	5.69E+02	0.00E+00	0.00E+00	5.21E-01	5.21E-01	4.74E-01	7.11E-01	5.69E+02	0.00E+00
3 Mile	8.39E+02	0.00E+00	0.00E+00	7.69E-01	7.69E-01	6.99E-01	1.05E+00	8.39E+02	0.00E+00
4 Mile	1.21E+02	0.00E+00	0.00E+00	1.11E-01	1.11E-01	1.01E-01	1.52E-01	1.21E+02	0.00E+00
5 Mile	3.14E+02	1.07E+05	1.07E+04	8.59E+01	8.59E+01	7.81E+01	7.82E+01	3.14E+02	1.07E+05
6 Mile	0.00E+00	3.45E+04	2.81E+03	2.70E+01	2.70E+01	2.45E+01	2.45E+01	0.00E+00	3.45E+04
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	2.36E+04	1.93E+03	1.85E+01	1.85E+01	1.68E+01	1.68E+01	0.00E+00	2.36E+04
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	6.68E+03	0.00E+00	0.00E+00	6.13E+00	6.13E+00	5.57E+00	8.36E+00	6.68E+03	0.00E+00
K2	5.51E+03	0.00E+00	0.00E+00	5.05E+00	5.05E+00	4.59E+00	6.89E+00	5.51E+03	0.00E+00
K3	1.86E+02	0.00E+00	0.00E+00	1.71E-01	1.71E-01	1.55E-01	2.33E-01	1.86E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	4.01E+04	4.02E+03	3.22E+01	3.22E+01	2.93E+01	2.93E+01	0.00E+00	4.01E+04
K7	0.00E+00	1.32E+03	0.00E+00	1.04E+00	1.04E+00	9.47E-01	9.47E-01	0.00E+00	1.32E+03
K8	0.00E+00	1.07E+04	8.87E+02	8.51E+00	8.51E+00	7.74E+00	7.74E+00	0.00E+00	1.07E+04
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.71E+03	0.00E+00	0.00E+00	2.49E+00	2.49E+00	2.26E+00	3.39E+00	2.71E+03	0.00E+00
L2	1.11E+03	0.00E+00	0.00E+00	1.02E+00	1.02E+00	9.27E-01	1.39E+00	1.11E+03	0.00E+00
L3	1.01E+03	0.00E+00	0.00E+00	9.26E-01	9.26E-01	8.42E-01	1.26E+00	1.01E+03	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	1.51E+02	5.09E+04	5.08E+03	4.09E+01	4.09E+01	3.72E+01	3.73E+01	1.51E+02	5.09E+04
L6	0.00E+00	1.89E+03	0.00E+00	1.51E+00	1.51E+00	1.37E+00	1.37E+00	0.00E+00	1.89E+03
L7	0.00E+00	1.77E+04	1.45E+03	1.39E+01	1.39E+01	1.26E+01	1.26E+01	0.00E+00	1.77E+04
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.34E+04	0.00E+00	0.00E+00	1.23E+01	1.23E+01	1.11E+01	1.67E+01	1.34E+04	0.00E+00
0.3Mile	9.81E+03	0.00E+00	0.00E+00	8.99E+00	8.99E+00	8.17E+00	1.23E+01	9.81E+03	0.00E+00
0.5 Mile	8.92E+03	0.00E+00	0.00E+00	8.17E+00	8.17E+00	7.43E+00	1.11E+01	8.92E+03	0.00E+00
					PLUME SEGMENT:				13

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	13	13	TIME:	12:01	to	12:16			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	8.92E+03	0.00E+00	0.00E+00	8.17E+00	8.17E+00	7.43E+00	1.11E+01	8.92E+03	0.00E+00
2 Mile	5.69E+02	0.00E+00	0.00E+00	5.21E-01	5.21E-01	4.74E-01	7.11E-01	5.69E+02	0.00E+00
3 Mile	8.39E+02	0.00E+00	0.00E+00	7.69E-01	7.69E-01	6.99E-01	1.05E+00	8.39E+02	0.00E+00
4 Mile	1.21E+02	0.00E+00	0.00E+00	1.11E-01	1.11E-01	1.01E-01	1.52E-01	1.21E+02	0.00E+00
5 Mile	3.14E+02	1.07E+05	1.07E+04	8.59E+01	8.59E+01	7.81E+01	7.82E+01	3.14E+02	1.07E+05
6 Mile	0.00E+00	3.45E+04	2.81E+03	2.70E+01	2.70E+01	2.45E+01	2.45E+01	0.00E+00	3.45E+04
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	2.36E+04	1.93E+03	1.85E+01	1.85E+01	1.68E+01	1.68E+01	0.00E+00	2.36E+04
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	6.68E+03	0.00E+00	0.00E+00	6.13E+00	6.13E+00	5.57E+00	8.36E+00	6.68E+03	0.00E+00
K2	5.51E+03	0.00E+00	0.00E+00	5.05E+00	5.05E+00	4.59E+00	6.89E+00	5.51E+03	0.00E+00
K3	1.86E+02	0.00E+00	0.00E+00	1.71E-01	1.71E-01	1.55E-01	2.33E-01	1.86E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	4.01E+04	4.02E+03	3.22E+01	3.22E+01	2.93E+01	2.93E+01	0.00E+00	4.01E+04
K7	0.00E+00	1.32E+03	0.00E+00	1.04E+00	1.04E+00	9.47E-01	9.47E-01	0.00E+00	1.32E+03
K8	0.00E+00	1.07E+04	8.87E+02	8.51E+00	8.51E+00	7.74E+00	7.74E+00	0.00E+00	1.07E+04
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.71E+03	0.00E+00	0.00E+00	2.49E+00	2.49E+00	2.26E+00	3.39E+00	2.71E+03	0.00E+00
L2	1.11E+03	0.00E+00	0.00E+00	1.02E+00	1.02E+00	9.27E-01	1.39E+00	1.11E+03	0.00E+00
L3	1.01E+03	0.00E+00	0.00E+00	9.26E-01	9.26E-01	8.42E-01	1.26E+00	1.01E+03	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	1.51E+02	5.09E+04	5.08E+03	4.09E+01	4.09E+01	3.72E+01	3.73E+01	1.51E+02	5.09E+04
L6	0.00E+00	1.89E+03	0.00E+00	1.51E+00	1.51E+00	1.37E+00	1.37E+00	0.00E+00	1.89E+03
L7	0.00E+00	1.77E+04	1.45E+03	1.39E+01	1.39E+01	1.26E+01	1.26E+01	0.00E+00	1.77E+04
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.34E+04	0.00E+00	0.00E+00	1.23E+01	1.23E+01	1.11E+01	1.67E+01	1.34E+04	0.00E+00
0.3Mile	9.81E+03	0.00E+00	0.00E+00	8.99E+00	8.99E+00	8.17E+00	1.23E+01	9.81E+03	0.00E+00
0.5 Mile	8.92E+03	0.00E+00	0.00E+00	8.17E+00	8.17E+00	7.43E+00	1.11E+01	8.92E+03	0.00E+00
					PLUME SEGMENT:				**13**


CURRENT TEDE DOSE RATE – [Rem/hr]
11-14-95
12:01:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 13
HOURS: 3.25
CONTOUR SCALE:
1.0E-002
1.0E-003
1.0E-004
1.0E-005
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		14		12:16	to	12:31	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	6.84E-03	0.00E+00	6.84E-03	0.00E+00	0.00E+00	0.00E+00	8.21E+04
2 Mile	4.38E-04	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	5.26E+03
3 Mile	6.44E-04	0.00E+00	6.44E-04	0.00E+00	0.00E+00	0.00E+00	7.73E+03
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.41E-04	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	2.89E+03
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	2.72E-02	2.72E-02	0.00E+00	0.00E+00	5.94E-08	5.79E-07	0.00E+00
10 Mile	8.76E-03	8.76E-03	0.00E+00	0.00E+00	1.60E-08	1.88E-07	0.00E+00
Goedekr	8.41E-03	8.41E-03	0.00E+00	3.80E-02	1.53E-08	1.82E-07	0.00E+00
Sass	5.26E-03	5.26E-03	0.00E+00	2.71E-02	1.15E-08	1.10E-07	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	3.05E-03	3.05E-03	0.00E+00	1.57E-02	0.00E+00	6.45E-08	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	5.13E-03	0.00E+00	5.13E-03	0.00E+00	0.00E+00	0.00E+00	6.16E+04
K2	4.23E-03	0.00E+00	4.23E-03	0.00E+00	0.00E+00	0.00E+00	5.08E+04
K3	1.43E-04	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	1.72E+03
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	1.69E-02	1.63E-02	0.00E+00	8.41E-02	3.57E-08	3.44E-07	0.00E+00
K10	1.92E-03	1.92E-03	0.00E+00	9.91E-03	0.00E+00	4.04E-08	0.00E+00
L1	2.08E-03	0.00E+00	2.08E-03	0.00E+00	0.00E+00	0.00E+00	2.50E+04
L2	8.56E-04	0.00E+00	8.56E-04	0.00E+00	0.00E+00	0.00E+00	1.03E+04
L3	7.74E-04	0.00E+00	7.74E-04	0.00E+00	0.00E+00	0.00E+00	9.29E+03
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	1.16E-04	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.39E+03
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	1.23E-02	1.23E-02	0.00E+00	0.00E+00	2.69E-08	2.64E-07	0.00E+00
L9	7.66E-04	7.66E-04	0.00E+00	3.95E-03	0.00E+00	1.62E-08	0.00E+00
L10	6.19E-04	6.19E-04	0.00E+00	2.80E-03	0.00E+00	1.34E-08	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.03E-02	0.00E+00	1.03E-02	0.00E+00	0.00E+00	0.00E+00	1.23E+05
0.3Mile	7.52E-03	0.00E+00	7.52E-03	0.00E+00	0.00E+00	0.00E+00	9.03E+04
0.5 Mile	6.84E-03	0.00E+00	6.84E-03	0.00E+00	0.00E+00	0.00E+00	8.21E+04
			PLUME SEGMENT:				14

NEBRASKA FIELD TEAM DATA

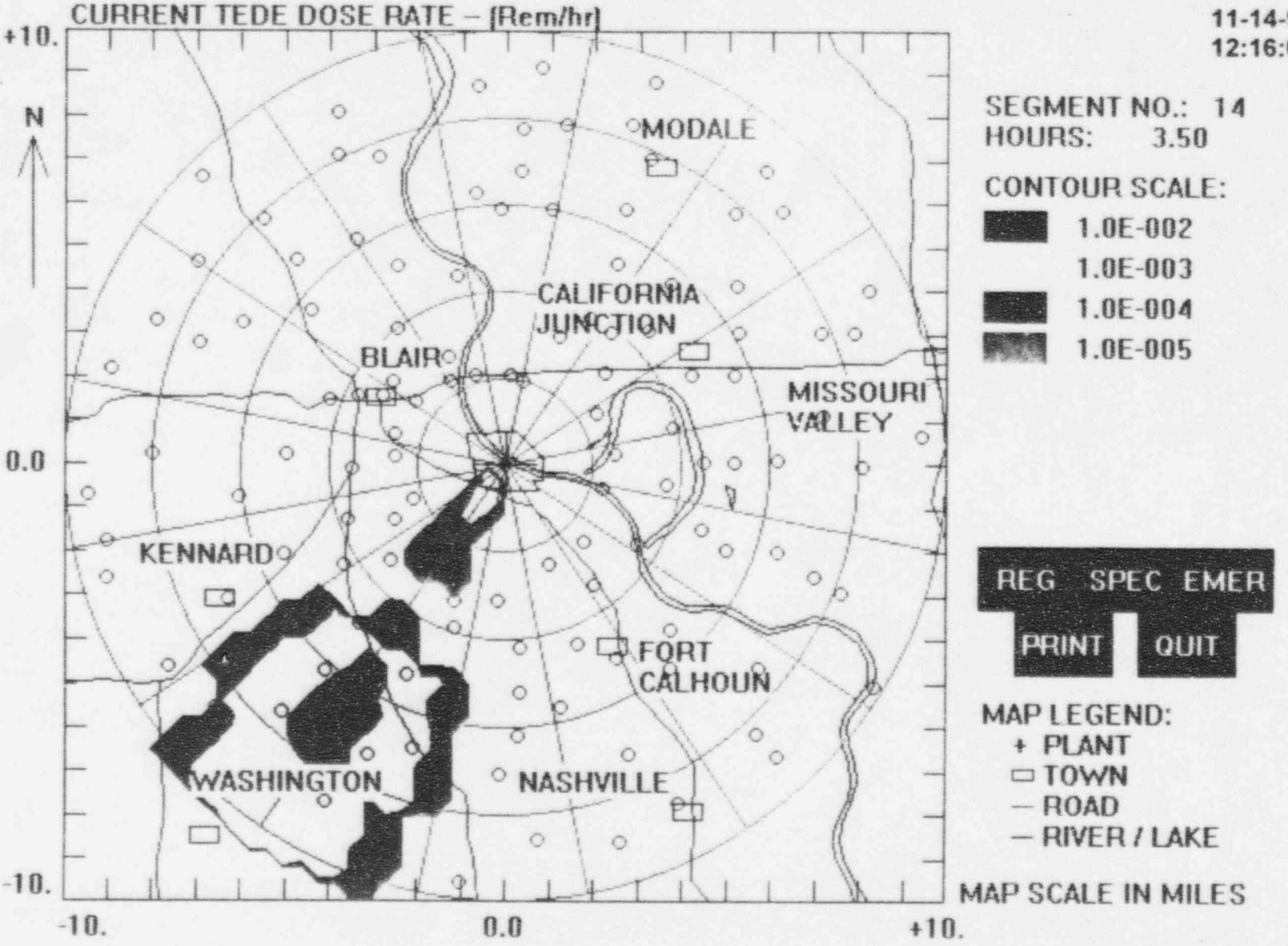
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	14	14				TIME:	12:16	to	12:31	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	0.00E+00	0.00E+00	0.00E+00	7.52E+00	7.52E+00	6.84E+00	1.03E+01	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	4.82E-01	4.82E-01	4.38E-01	6.57E-01	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	7.08E-01	7.08E-01	6.44E-01	9.66E-01	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	2.65E-01	2.65E-01	2.41E-01	3.62E-01	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	7.28E+04	5.46E+04	1.09E+04	2.99E+01	2.99E+01	2.72E+01	2.72E+01	7.47E+01	3.73E+01	1.12E+01
10 Mile	2.36E+04	1.77E+04	3.55E+03	9.64E+00	9.64E+00	8.76E+00	8.76E+00	2.01E+01	1.01E+01	3.02E+00
Goedekr	2.29E+04	1.72E+04	3.43E+03	9.25E+00	9.25E+00	8.41E+00	8.41E+00	1.92E+01	9.62E+00	2.89E+00
Sass	1.38E+04	1.04E+04	2.07E+03	5.79E+00	5.79E+00	5.26E+00	5.26E+00	1.45E+01	7.23E+00	2.17E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	8.11E+03	6.08E+03	1.22E+03	3.36E+00	3.36E+00	3.05E+00	3.05E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	0.00E+00	0.00E+00	5.64E+00	5.64E+00	5.13E+00	7.70E+00	0.00E+00	0.00E+00	0.00E+00
K2	0.00E+00	0.00E+00	0.00E+00	4.65E+00	4.65E+00	4.23E+00	6.35E+00	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	1.57E-01	1.57E-01	1.43E-01	2.15E-01	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	4.33E+04	3.24E+04	6.49E+03	1.86E+01	1.86E+01	1.69E+01	1.69E+01	4.49E+01	2.24E+01	6.73E+00
K10	5.08E+03	3.81E+03	7.62E+02	2.11E+00	2.11E+00	1.92E+00	1.92E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.29E+00	2.29E+00	2.08E+00	3.12E+00	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	9.42E-01	9.42E-01	8.56E-01	1.28E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	8.51E-01	8.51E-01	7.74E-01	1.16E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	1.28E-01	1.28E-01	1.16E-01	1.74E-01	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	3.32E+04	2.49E+04	4.98E+03	1.35E+01	1.35E+01	1.23E+01	1.23E+01	3.38E+01	1.69E+01	5.07E+00
L9	2.04E+03	1.53E+03	3.06E+02	8.43E-01	8.43E-01	7.66E-01	7.66E-01	0.00E+00	0.00E+00	0.00E+00
L10	1.68E+03	1.26E+03	2.53E+02	6.81E-01	6.81E-01	6.19E-01	6.19E-01	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	0.00E+00	0.00E+00	1.13E+01	1.13E+01	1.03E+01	1.54E+01	0.00E+00	0.00E+00	0.00E+00
0.3Mile	0.00E+00	0.00E+00	0.00E+00	8.28E+00	8.28E+00	7.52E+00	1.13E+01	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	7.52E+00	7.52E+00	6.84E+00	1.03E+01	0.00E+00	0.00E+00	0.00E+00
						PLUME SEGMENT:				14

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	14	14	TIME:	12:16	to	12:31			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	8.21E+03	0.00E+00	0.00E+00	7.52E+00	7.52E+00	6.84E+00	1.03E+01	8.21E+03	0.00E+00
2 Mile	5.26E+02	0.00E+00	0.00E+00	4.82E-01	4.82E-01	4.38E-01	6.57E-01	5.26E+02	0.00E+00
3 Mile	7.73E+02	0.00E+00	0.00E+00	7.08E-01	7.08E-01	6.44E-01	9.66E-01	7.73E+02	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.89E+02	0.00E+00	0.00E+00	2.65E-01	2.65E-01	2.41E-01	3.62E-01	2.89E+02	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	3.64E+04	3.74E+03	2.99E+01	2.99E+01	2.72E+01	2.72E+01	0.00E+00	3.64E+04
10 Mile	0.00E+00	1.18E+04	1.01E+03	9.64E+00	9.64E+00	8.76E+00	8.76E+00	0.00E+00	1.18E+04
Goedekr	0.00E+00	1.14E+04	9.62E+02	9.25E+00	9.25E+00	8.41E+00	8.41E+00	0.00E+00	1.14E+04
Sass	0.00E+00	6.92E+03	7.23E+02	5.79E+00	5.79E+00	5.26E+00	5.26E+00	0.00E+00	6.92E+03
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	4.06E+03	0.00E+00	3.36E+00	3.36E+00	3.05E+00	3.05E+00	0.00E+00	4.06E+03
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	6.16E+03	0.00E+00	0.00E+00	5.64E+00	5.64E+00	5.13E+00	7.70E+00	6.16E+03	0.00E+00
K2	5.08E+03	0.00E+00	0.00E+00	4.65E+00	4.65E+00	4.23E+00	6.35E+00	5.08E+03	0.00E+00
K3	1.72E+02	0.00E+00	0.00E+00	1.57E-01	1.57E-01	1.43E-01	2.15E-01	1.72E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	2.16E+04	2.25E+03	1.86E+01	1.86E+01	1.69E+01	1.69E+01	0.00E+00	2.16E+04
K10	0.00E+00	2.54E+03	0.00E+00	2.11E+00	2.11E+00	1.92E+00	1.92E+00	0.00E+00	2.54E+03
L1	2.50E+03	0.00E+00	0.00E+00	2.29E+00	2.29E+00	2.08E+00	3.12E+00	2.50E+03	0.00E+00
L2	1.03E+03	0.00E+00	0.00E+00	9.42E-01	9.42E-01	8.56E-01	1.28E+00	1.03E+03	0.00E+00
L3	9.29E+02	0.00E+00	0.00E+00	8.51E-01	8.51E-01	7.74E-01	1.16E+00	9.29E+02	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	1.39E+02	0.00E+00	0.00E+00	1.28E-01	1.28E-01	1.16E-01	1.74E-01	1.39E+02	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	1.66E+04	1.69E+03	1.35E+01	1.35E+01	1.23E+01	1.23E+01	0.00E+00	1.66E+04
L9	0.00E+00	1.02E+03	0.00E+00	8.43E-01	8.43E-01	7.66E-01	7.66E-01	0.00E+00	1.02E+03
L10	0.00E+00	8.43E+02	0.00E+00	6.81E-01	6.81E-01	6.19E-01	6.19E-01	0.00E+00	8.43E+02
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.23E+04	0.00E+00	0.00E+00	1.13E+01	1.13E+01	1.03E+01	1.54E+01	1.23E+04	0.00E+00
0.3Mile	9.03E+03	0.00E+00	0.00E+00	8.28E+00	8.28E+00	7.52E+00	1.13E+01	9.03E+03	0.00E+00
0.5 Mile	8.21E+03	0.00E+00	0.00E+00	7.52E+00	7.52E+00	6.84E+00	1.03E+01	8.21E+03	0.00E+00
					PLUME SEGMENT:				14

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	14	14	TIME:	12:16	to	12:31			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	8.21E+03	0.00E+00	0.00E+00	7.52E+00	7.52E+00	6.84E+00	1.03E+01	8.21E+03	0.00E+00
2 Mile	5.26E+02	0.00E+00	0.00E+00	4.82E-01	4.82E-01	4.38E-01	6.57E-01	5.26E+02	0.00E+00
3 Mile	7.73E+02	0.00E+00	0.00E+00	7.08E-01	7.08E-01	6.44E-01	9.66E-01	7.73E+02	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.89E+02	0.00E+00	0.00E+00	2.65E-01	2.65E-01	2.41E-01	3.62E-01	2.89E+02	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	3.64E+04	3.74E+03	2.99E+01	2.99E+01	2.72E+01	2.72E+01	0.00E+00	3.64E+04
10 Mile	0.00E+00	1.18E+04	1.01E+03	9.64E+00	9.64E+00	8.76E+00	8.76E+00	0.00E+00	1.18E+04
Goedekr	0.00E+00	1.14E+04	9.62E+02	9.25E+00	9.25E+00	8.41E+00	8.41E+00	0.00E+00	1.14E+04
Sass	0.00E+00	6.92E+03	7.23E+02	5.79E+00	5.79E+00	5.26E+00	5.26E+00	0.00E+00	6.92E+03
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	4.06E+03	0.00E+00	3.36E+00	3.36E+00	3.05E+00	3.05E+00	0.00E+00	4.06E+03
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	6.16E+03	0.00E+00	0.00E+00	5.64E+00	5.64E+00	5.13E+00	7.70E+00	6.16E+03	0.00E+00
K2	5.08E+03	0.00E+00	0.00E+00	4.65E+00	4.65E+00	4.23E+00	6.35E+00	5.08E+03	0.00E+00
K3	1.72E+02	0.00E+00	0.00E+00	1.57E-01	1.57E-01	1.43E-01	2.15E-01	1.72E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	2.16E+04	2.25E+03	1.86E+01	1.86E+01	1.69E+01	1.69E+01	0.00E+00	2.16E+04
K10	0.00E+00	2.54E+03	0.00E+00	2.11E+00	2.11E+00	1.92E+00	1.92E+00	0.00E+00	2.54E+03
L1	2.50E+03	0.00E+00	0.00E+00	2.29E+00	2.29E+00	2.08E+00	3.12E+00	2.50E+03	0.00E+00
L2	1.03E+03	0.00E+00	0.00E+00	9.42E-01	9.42E-01	8.56E-01	1.28E+00	1.03E+03	0.00E+00
L3	9.29E+02	0.00E+00	0.00E+00	8.51E-01	8.51E-01	7.74E-01	1.16E+00	9.29E+02	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	1.39E+02	0.00E+00	0.00E+00	1.28E-01	1.28E-01	1.16E-01	1.74E-01	1.39E+02	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	1.66E+04	1.69E+03	1.35E+01	1.35E+01	1.23E+01	1.23E+01	0.00E+00	1.66E+04
L9	0.00E+00	1.02E+03	0.00E+00	8.43E-01	8.43E-01	7.66E-01	7.66E-01	0.00E+00	1.02E+03
L10	0.00E+00	8.43E+02	0.00E+00	6.81E-01	6.81E-01	6.19E-01	6.19E-01	0.00E+00	8.43E+02
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.23E+04	0.00E+00	0.00E+00	1.13E+01	1.13E+01	1.03E+01	1.54E+01	1.23E+04	0.00E+00
0.3Mile	9.03E+03	0.00E+00	0.00E+00	8.28E+00	8.28E+00	7.52E+00	1.13E+01	9.03E+03	0.00E+00
0.5 Mile	8.21E+03	0.00E+00	0.00E+00	7.52E+00	7.52E+00	6.84E+00	1.03E+01	8.21E+03	0.00E+00
					PLUME SEGMENT:				14


CURRENT TEDE DOSE RATE – [Rem/hr]
11-14-95
12:16:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 14
HOURS: 3.50
CONTOUR SCALE:
1.0E-002
1.0E-003
1.0E-004
1.0E-005
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		15		12:31	to	12:46	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	6.34E-03	0.00E+00	6.34E-03	0.00E+00	0.00E+00	0.00E+00	7.61E+04
2 Mile	4.07E-04	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	4.88E+03
3 Mile	5.97E-04	0.00E+00	5.97E-04	0.00E+00	0.00E+00	0.00E+00	7.16E+03
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.23E-04	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	2.68E+03
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	4.75E-03	0.00E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	5.70E+04
K2	3.93E-03	0.00E+00	3.93E-03	0.00E+00	0.00E+00	0.00E+00	4.72E+04
K3	1.33E-04	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	1.60E+03
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	1.93E-03	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	2.32E+04
L2	7.94E-04	0.00E+00	7.94E-04	0.00E+00	0.00E+00	0.00E+00	9.53E+03
L3	7.17E-04	0.00E+00	7.17E-04	0.00E+00	0.00E+00	0.00E+00	8.60E+03
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	1.07E-04	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	1.28E+03
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	9.51E-03	0.00E+00	9.51E-03	0.00E+00	0.00E+00	0.00E+00	1.14E+05
0.3Mile	6.97E-03	0.00E+00	6.97E-03	0.00E+00	0.00E+00	0.00E+00	8.37E+04
0.5 Mile	6.34E-03	0.00E+00	6.34E-03	0.00E+00	0.00E+00	0.00E+00	7.61E+04
			PLUME SEGMENT:				15

NEBRASKA FIELD TEAM DATA

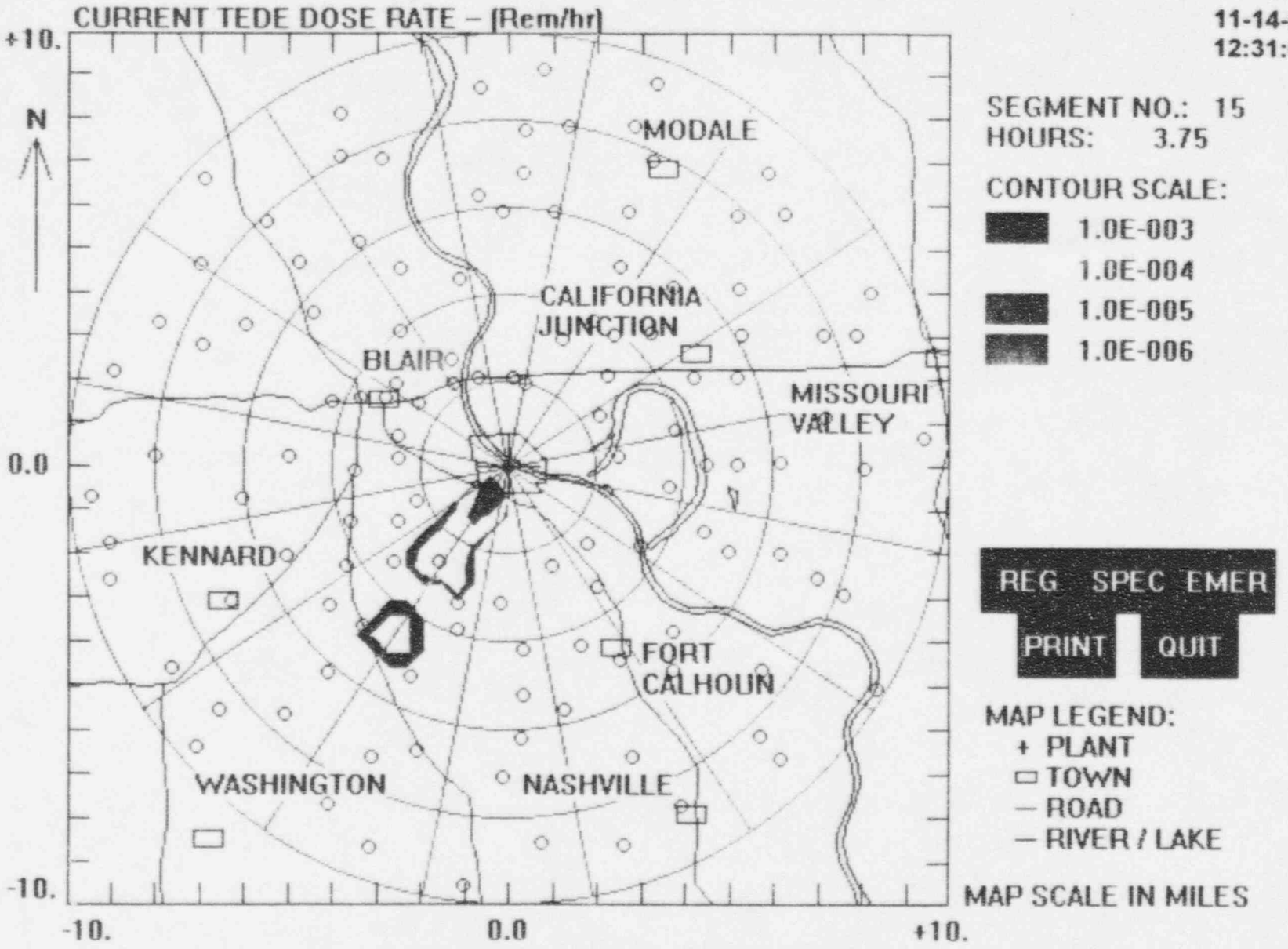
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	15	15				TIME:	12:31	to	12:46	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	0.00E+00	0.00E+00	0.00E+00	6.97E+00	6.97E+00	6.34E+00	9.51E+00	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	4.48E-01	4.48E-01	4.07E-01	6.11E-01	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	6.57E-01	6.57E-01	5.97E-01	8.96E-01	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	2.45E-01	2.45E-01	2.23E-01	3.35E-01	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	0.00E+00	0.00E+00	5.23E+00	5.23E+00	4.75E+00	7.13E+00	0.00E+00	0.00E+00	0.00E+00
K2	0.00E+00	0.00E+00	0.00E+00	4.32E+00	4.32E+00	3.93E+00	5.90E+00	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	1.46E-01	1.46E-01	1.33E-01	2.00E-01	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	2.12E+00	2.12E+00	1.93E+00	2.90E+00	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	8.73E-01	8.73E-01	7.94E-01	1.19E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	7.89E-01	7.89E-01	7.17E-01	1.08E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	1.18E-01	1.18E-01	1.07E-01	1.61E-01	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	0.00E+00	0.00E+00	1.05E+01	1.05E+01	9.51E+00	1.43E+01	0.00E+00	0.00E+00	0.00E+00
0.3Mile	0.00E+00	0.00E+00	0.00E+00	7.67E+00	7.67E+00	6.97E+00	1.05E+01	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	6.97E+00	6.97E+00	6.34E+00	9.51E+00	0.00E+00	0.00E+00	0.00E+00
						PLUME SEGMENT:				15

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	15	15	TIME:	12:31	to	12:46			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	7.61E+03	0.00E+00	0.00E+00	6.97E+00	6.97E+00	6.34E+00	9.51E+00	7.61E+03	0.00E+00
2 Mile	4.88E+02	0.00E+00	0.00E+00	4.48E-01	4.48E-01	4.07E-01	6.11E-01	4.88E+02	0.00E+00
3 Mile	7.16E+02	0.00E+00	0.00E+00	6.57E-01	6.57E-01	5.97E-01	8.96E-01	7.16E+02	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.68E+02	0.00E+00	0.00E+00	2.45E-01	2.45E-01	2.23E-01	3.35E-01	2.68E+02	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	5.70E+03	0.00E+00	0.00E+00	5.23E+00	5.23E+00	4.75E+00	7.13E+00	5.70E+03	0.00E+00
K2	4.72E+03	0.00E+00	0.00E+00	4.32E+00	4.32E+00	3.93E+00	5.90E+00	4.72E+03	0.00E+00
K3	1.60E+02	0.00E+00	0.00E+00	1.46E-01	1.46E-01	1.33E-01	2.00E-01	1.60E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.32E+03	0.00E+00	0.00E+00	2.12E+00	2.12E+00	1.93E+00	2.90E+00	2.32E+03	0.00E+00
L2	9.53E+02	0.00E+00	0.00E+00	8.73E-01	8.73E-01	7.94E-01	1.19E+00	9.53E+02	0.00E+00
L3	8.60E+02	0.00E+00	0.00E+00	7.89E-01	7.89E-01	7.17E-01	1.08E+00	8.60E+02	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	1.28E+02	0.00E+00	0.00E+00	1.18E-01	1.18E-01	1.07E-01	1.61E-01	1.28E+02	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.14E+04	0.00E+00	0.00E+00	1.05E+01	1.05E+01	9.51E+00	1.43E+01	1.14E+04	0.00E+00
0.3Mile	8.37E+03	0.00E+00	0.00E+00	7.67E+00	7.67E+00	6.97E+00	1.05E+01	8.37E+03	0.00E+00
0.5 Mile	7.61E+03	0.00E+00	0.00E+00	6.97E+00	6.97E+00	6.34E+00	9.51E+00	7.61E+03	0.00E+00
					PLUME SEGMENT:				15

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:		15	15	TIME:	12:31	to	12:46		
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	7.61E+03	0.00E+00	0.00E+00	6.97E+00	6.97E+00	6.34E+00	9.51E+00	7.61E+03	0.00E+00
2 Mile	4.88E+02	0.00E+00	0.00E+00	4.48E-01	4.48E-01	4.07E-01	6.11E-01	4.88E+02	0.00E+00
3 Mile	7.16E+02	0.00E+00	0.00E+00	6.57E-01	6.57E-01	5.97E-01	8.96E-01	7.16E+02	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.68E+02	0.00E+00	0.00E+00	2.45E-01	2.45E-01	2.23E-01	3.35E-01	2.68E+02	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	5.70E+03	0.00E+00	0.00E+00	5.23E+00	5.23E+00	4.75E+00	7.13E+00	5.70E+03	0.00E+00
K2	4.72E+03	0.00E+00	0.00E+00	4.32E+00	4.32E+00	3.93E+00	5.90E+00	4.72E+03	0.00E+00
K3	1.60E+02	0.00E+00	0.00E+00	1.46E-01	1.46E-01	1.33E-01	2.00E-01	1.60E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.32E+03	0.00E+00	0.00E+00	2.12E+00	2.12E+00	1.93E+00	2.90E+00	2.32E+03	0.00E+00
L2	9.53E+02	0.00E+00	0.00E+00	8.73E-01	8.73E-01	7.94E-01	1.19E+00	9.53E+02	0.00E+00
L3	8.60E+02	0.00E+00	0.00E+00	7.89E-01	7.89E-01	7.17E-01	1.08E+00	8.60E+02	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	1.28E+02	0.00E+00	0.00E+00	1.18E-01	1.18E-01	1.07E-01	1.61E-01	1.28E+02	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.14E+04	0.00E+00	0.00E+00	1.05E+01	1.05E+01	9.51E+00	1.43E+01	1.14E+04	0.00E+00
0.3Mile	8.37E+03	0.00E+00	0.00E+00	7.67E+00	7.67E+00	6.97E+00	1.05E+01	8.37E+03	0.00E+00
0.5 Mile	7.61E+03	0.00E+00	0.00E+00	6.97E+00	6.97E+00	6.34E+00	9.51E+00	7.61E+03	0.00E+00
					PLUME SEGMENT:				15


CURRENT TEDE DOSE RATE – [Rem/hr]
11-14-95
12:31:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 15
HOURS: 3.75
CONTOUR SCALE:
1.0E-003
1.0E-004
1.0E-005
1.0E-006
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:	16		12:46	to	13:01		
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	5.90E-03	0.00E+00	5.90E-03	0.00E+00	0.00E+00	0.00E+00	7.08E+04
2 Mile	3.81E-04	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	4.57E+03
3 Mile	5.56E-04	0.00E+00	5.56E-04	0.00E+00	0.00E+00	0.00E+00	6.67E+03
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.08E-04	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00	2.50E+03
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	4.43E-03	0.00E+00	4.43E-03	0.00E+00	0.00E+00	0.00E+00	5.32E+04
K2	3.67E-03	0.00E+00	3.67E-03	0.00E+00	0.00E+00	0.00E+00	4.40E+04
K3	1.24E-04	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.49E+03
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	1.79E-03	0.00E+00	1.79E-03	0.00E+00	0.00E+00	0.00E+00	2.15E+04
L2	7.42E-04	0.00E+00	7.42E-04	0.00E+00	0.00E+00	0.00E+00	8.90E+03
L3	6.68E-04	0.00E+00	6.68E-04	0.00E+00	0.00E+00	0.00E+00	8.02E+03
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	8.85E-03	0.00E+00	8.85E-03	0.00E+00	0.00E+00	0.00E+00	1.06E+05
0.3Mile	6.49E-03	0.00E+00	6.49E-03	0.00E+00	0.00E+00	0.00E+00	7.79E+04
0.5 Mile	5.90E-03	0.00E+00	5.90E-03	0.00E+00	0.00E+00	0.00E+00	7.08E+04
			PLUME SEGMENT:				16

NEBRASKA FIELD TEAM DATA

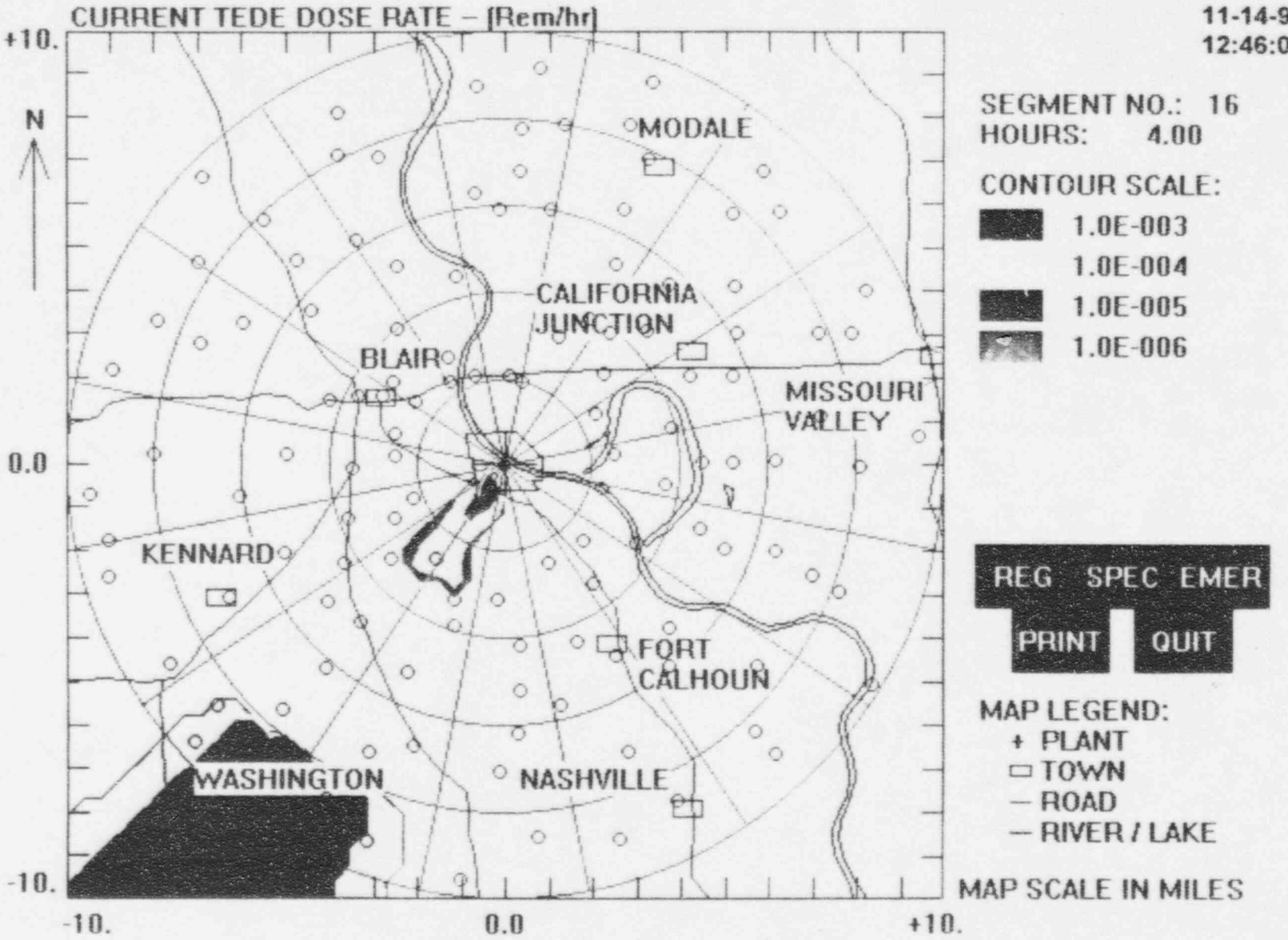
NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	16	16				TIME:	12:46	to	13:01	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	0.00E+00	0.00E+00	0.00E+00	6.49E+00	6.49E+00	5.90E+00	8.85E+00	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	4.19E-01	4.19E-01	3.81E-01	5.72E-01	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	6.12E-01	6.12E-01	5.56E-01	8.34E-01	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	2.29E-01	2.29E-01	2.08E-01	3.12E-01	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	0.00E+00	0.00E+00	4.87E+00	4.87E+00	4.43E+00	6.65E+00	0.00E+00	0.00E+00	0.00E+00
K2	0.00E+00	0.00E+00	0.00E+00	4.04E+00	4.04E+00	3.67E+00	5.51E+00	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	1.36E-01	1.36E-01	1.24E-01	1.86E-01	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	1.97E+00	1.97E+00	1.79E+00	2.69E+00	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	8.16E-01	8.16E-01	7.42E-01	1.11E+00	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	7.35E-01	7.35E-01	6.68E-01	1.00E+00	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	0.00E+00	0.00E+00	9.74E+00	9.74E+00	8.85E+00	1.33E+01	0.00E+00	0.00E+00	0.00E+00
0.3Mile	0.00E+00	0.00E+00	0.00E+00	7.14E+00	7.14E+00	6.49E+00	9.74E+00	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	6.49E+00	6.49E+00	5.90E+00	8.85E+00	0.00E+00	0.00E+00	0.00E+00
						PLUME SEGMENT:				16

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	16	16	TIME:	12:46	to	13:01			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	7.08E+03	0.00E+00	0.00E+00	6.49E+00	6.49E+00	5.90E+00	8.85E+00	7.08E+03	0.00E+00
2 Mile	4.57E+02	0.00E+00	0.00E+00	4.19E-01	4.19E-01	3.81E-01	5.72E-01	4.57E+02	0.00E+00
3 Mile	6.67E+02	0.00E+00	0.00E+00	6.12E-01	6.12E-01	5.56E-01	8.34E-01	6.67E+02	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.50E+02	0.00E+00	0.00E+00	2.29E-01	2.29E-01	2.08E-01	3.12E-01	2.50E+02	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	5.32E+03	0.00E+00	0.00E+00	4.87E+00	4.87E+00	4.43E+00	6.65E+00	5.32E+03	0.00E+00
K2	4.40E+03	0.00E+00	0.00E+00	4.04E+00	4.04E+00	3.67E+00	5.51E+00	4.40E+03	0.00E+00
K3	1.49E+02	0.00E+00	0.00E+00	1.36E-01	1.36E-01	1.24E-01	1.86E-01	1.49E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.15E+03	0.00E+00	0.00E+00	1.97E+00	1.97E+00	1.79E+00	2.69E+00	2.15E+03	0.00E+00
L2	8.90E+02	0.00E+00	0.00E+00	8.16E-01	8.16E-01	7.42E-01	1.11E+00	8.90E+02	0.00E+00
L3	8.02E+02	0.00E+00	0.00E+00	7.35E-01	7.35E-01	6.68E-01	1.00E+00	8.02E+02	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.06E+04	0.00E+00	0.00E+00	9.74E+00	9.74E+00	8.85E+00	1.33E+01	1.06E+04	0.00E+00
0.3Mile	7.79E+03	0.00E+00	0.00E+00	7.14E+00	7.14E+00	6.49E+00	9.74E+00	7.79E+03	0.00E+00
0.5 Mile	7.08E+03	0.00E+00	0.00E+00	6.49E+00	6.49E+00	5.90E+00	8.85E+00	7.08E+03	0.00E+00
					PLUME SEGMENT:				16

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	16	16	TIME:	12:46	to	13:01			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	7.08E+03	0.00E+00	0.00E+00	6.49E+00	6.49E+00	5.90E+00	8.85E+00	7.08E+03	0.00E+00
2 Mile	4.57E+02	0.00E+00	0.00E+00	4.19E-01	4.19E-01	3.81E-01	5.72E-01	4.57E+02	0.00E+00
3 Mile	6.67E+02	0.00E+00	0.00E+00	6.12E-01	6.12E-01	5.56E-01	8.34E-01	6.67E+02	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.50E+02	0.00E+00	0.00E+00	2.29E-01	2.29E-01	2.08E-01	3.12E-01	2.50E+02	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	5.32E+03	0.00E+00	0.00E+00	4.87E+00	4.87E+00	4.43E+00	6.65E+00	5.32E+03	0.00E+00
K2	4.40E+03	0.00E+00	0.00E+00	4.04E+00	4.04E+00	3.67E+00	5.51E+00	4.40E+03	0.00E+00
K3	1.49E+02	0.00E+00	0.00E+00	1.36E-01	1.36E-01	1.24E-01	1.86E-01	1.49E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.15E+03	0.00E+00	0.00E+00	1.97E+00	1.97E+00	1.79E+00	2.69E+00	2.15E+03	0.00E+00
L2	8.90E+02	0.00E+00	0.00E+00	8.16E-01	8.16E-01	7.42E-01	1.11E+00	8.90E+02	0.00E+00
L3	8.02E+02	0.00E+00	0.00E+00	7.35E-01	7.35E-01	6.68E-01	1.00E+00	8.02E+02	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	1.06E+04	0.00E+00	0.00E+00	9.74E+00	9.74E+00	8.85E+00	1.33E+01	1.06E+04	0.00E+00
0.3Mile	7.79E+03	0.00E+00	0.00E+00	7.14E+00	7.14E+00	6.49E+00	9.74E+00	7.79E+03	0.00E+00
0.5 Mile	7.08E+03	0.00E+00	0.00E+00	6.49E+00	6.49E+00	5.90E+00	8.85E+00	7.08E+03	0.00E+00
					PLUME SEGMENT:				16


CURRENT TEDE DOSE RATE – [Rem/hr]
11-14-95
12:46:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 16
HOURS: 4.00
CONTOUR SCALE:
1.0E-003
1.0E-004
1.0E-005
1.0E-006
REG SPEC EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		17		13:01	to	13:16	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	5.53E-03	0.00E+00	5.53E-03	0.00E+00	0.00E+00	0.00E+00	6.64E+04
2 Mile	3.58E-04	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00	4.30E+03
3 Mile	5.21E-04	0.00E+00	5.21E-04	0.00E+00	0.00E+00	0.00E+00	6.25E+03
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	1.95E-04	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	2.34E+03
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	4.15E-03	0.00E+00	4.15E-03	0.00E+00	0.00E+00	0.00E+00	4.98E+04
K2	3.44E-03	0.00E+00	3.44E-03	0.00E+00	0.00E+00	0.00E+00	4.13E+04
K3	1.16E-04	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00	1.39E+03
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	1.68E-03	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	2.02E+04
L2	6.96E-04	0.00E+00	6.96E-04	0.00E+00	0.00E+00	0.00E+00	8.35E+03
L3	6.25E-04	0.00E+00	6.25E-04	0.00E+00	0.00E+00	0.00E+00	7.50E+03
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	8.30E-03	0.00E+00	8.30E-03	0.00E+00	0.00E+00	0.00E+00	9.95E+04
0.3Mile	6.08E-03	0.00E+00	6.08E-03	0.00E+00	0.00E+00	0.00E+00	7.30E+04
0.5 Mile	5.53E-03	0.00E+00	5.53E-03	0.00E+00	0.00E+00	0.00E+00	6.64E+04
			PLUME SEGMENT:				17

NEBRASKA FIELD TEAM DATA

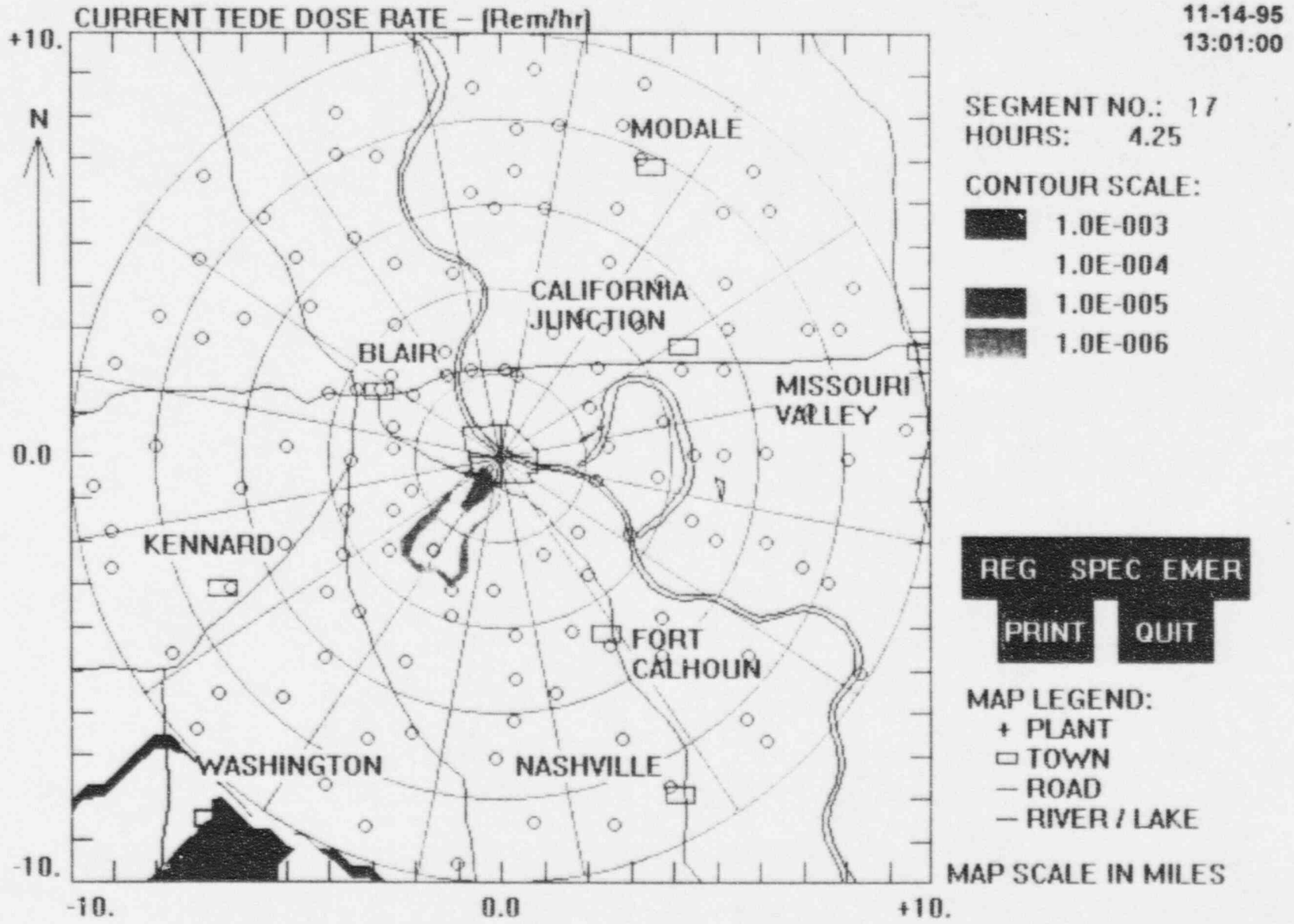
NEBRASKA FIELD TEAM EQUIPMENT DATA											
PLUME SEGMENT:	17	17				TIME:	13:01	to	13:16		
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)			
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm	
SB	0.00E+00	0.00E+00	0.00E+00	6.08E+00	6.08E+00	5.53E+00	8.30E+00	0.00E+00	0.00E+00	0.00E+00	
2 Mile	0.00E+00	0.00E+00	0.00E+00	3.94E-01	3.94E-01	3.58E-01	5.37E-01	0.00E+00	0.00E+00	0.00E+00	
3 Mile	0.00E+00	0.00E+00	0.00E+00	5.73E-01	5.73E-01	5.21E-01	7.82E-01	0.00E+00	0.00E+00	0.00E+00	
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
5 Mile	0.00E+00	0.00E+00	0.00E+00	2.15E-01	2.15E-01	1.95E-01	2.93E-01	0.00E+00	0.00E+00	0.00E+00	
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J1	0.00E+00	0.00E+00	0.00E+00	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K1	0.00E+00	0.00E+00	0.00E+00	4.57E+00	4.57E+00	4.15E+00	6.23E+00	0.00E+00	0.00E+00	0.00E+00	
K2	0.00E+00	0.00E+00	0.00E+00	3.78E+00	3.78E+00	3.44E+00	5.16E+00	0.00E+00	0.00E+00	0.00E+00	
K3	0.00E+00	0.00E+00	0.00E+00	1.28E-01	1.28E-01	1.16E-01	1.74E-01	0.00E+00	0.00E+00	0.00E+00	
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L1	0.00E+00	0.00E+00	0.00E+00	1.85E+00	1.85E+00	1.68E+00	2.52E+00	0.00E+00	0.00E+00	0.00E+00	
L2	0.00E+00	0.00E+00	0.00E+00	7.66E-01	7.66E-01	6.96E-01	1.04E+00	0.00E+00	0.00E+00	0.00E+00	
L3	0.00E+00	0.00E+00	0.00E+00	6.88E-01	6.88E-01	6.25E-01	9.38E-01	0.00E+00	0.00E+00	0.00E+00	
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
0.1Mile	0.00E+00	0.00E+00	0.00E+00	9.12E+00	9.12E+00	8.30E+00	1.24E+01	0.00E+00	0.00E+00	0.00E+00	
0.3Mile	0.00E+00	0.00E+00	0.00E+00	6.69E+00	6.69E+00	6.08E+00	9.12E+00	0.00E+00	0.00E+00	0.00E+00	
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	6.08E+00	6.08E+00	5.53E+00	8.30E+00	0.00E+00	0.00E+00	0.00E+00	
						PLUME SEGMENT:				17	

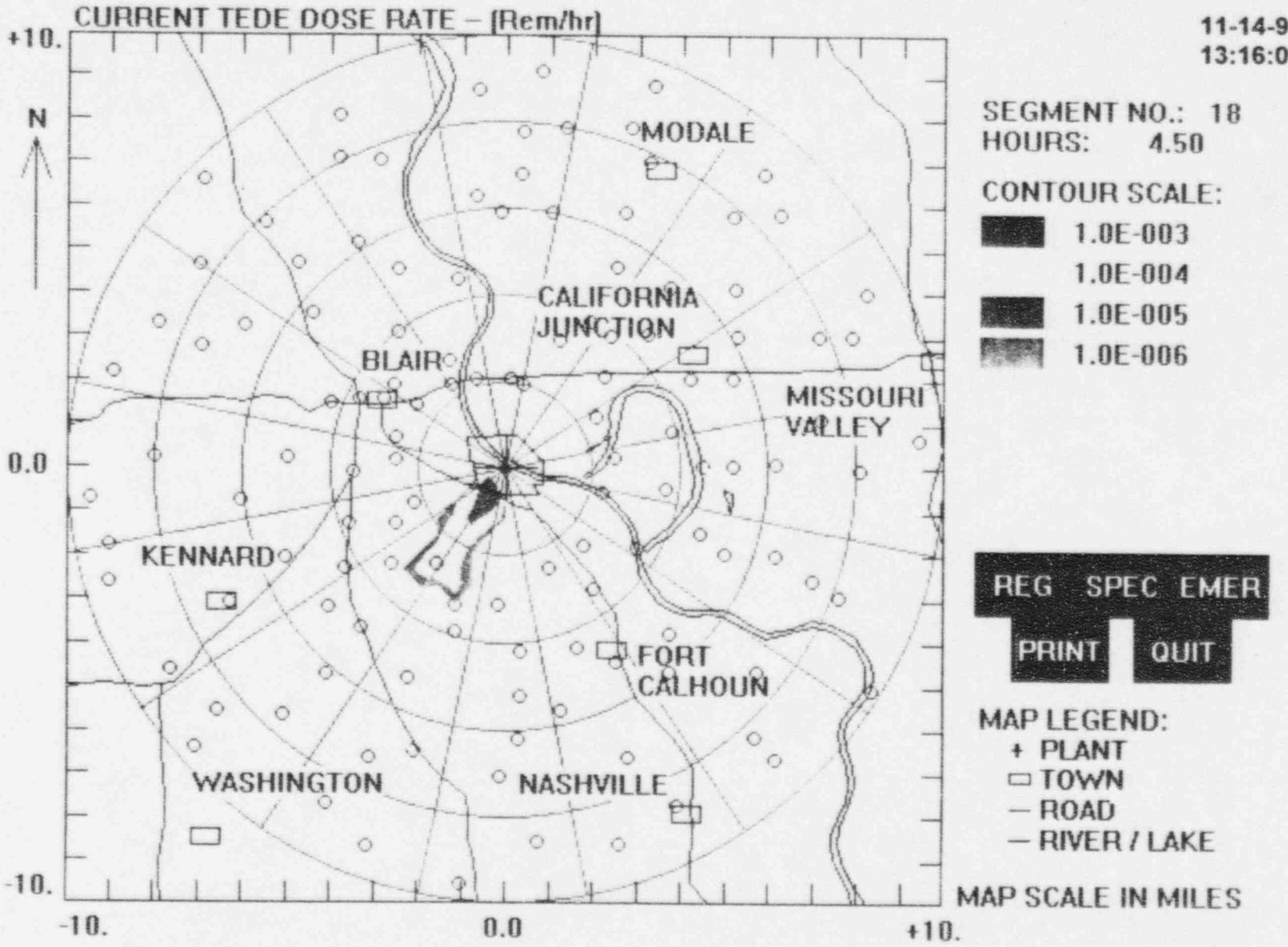
OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	17	17	TIME:	13:01	to	13:16			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	6.64E+03	0.00E+00	0.00E+00	6.08E+00	6.08E+00	5.53E+00	8.30E+00	6.64E+03	0.00E+00
2 Mile	4.30E+02	0.00E+00	0.00E+00	3.94E-01	3.94E-01	3.58E-01	5.37E-01	4.30E+02	0.00E+00
3 Mile	6.25E+02	0.00E+00	0.00E+00	5.73E-01	5.73E-01	5.21E-01	7.82E-01	6.25E+02	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.34E+02	0.00E+00	0.00E+00	2.15E-01	2.15E-01	1.95E-01	2.93E-01	2.34E+02	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	4.98E+03	0.00E+00	0.00E+00	4.57E+00	4.57E+00	4.15E+00	6.23E+00	4.98E+03	0.00E+00
K2	4.13E+03	0.00E+00	0.00E+00	3.78E+00	3.78E+00	3.44E+00	5.16E+00	4.13E+03	0.00E+00
K3	1.39E+02	0.00E+00	0.00E+00	1.28E-01	1.28E-01	1.16E-01	1.74E-01	1.39E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.02E+03	0.00E+00	0.00E+00	1.85E+00	1.85E+00	1.68E+00	2.52E+00	2.02E+03	0.00E+00
L2	8.35E+02	0.00E+00	0.00E+00	7.66E-01	7.66E-01	6.96E-01	1.04E+00	8.35E+02	0.00E+00
L3	7.50E+02	0.00E+00	0.00E+00	6.88E-01	6.88E-01	6.25E-01	9.38E-01	7.50E+02	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	9.95E+03	0.00E+00	0.00E+00	9.12E+00	9.12E+00	8.30E+00	1.24E+01	9.95E+03	0.00E+00
0.3Mile	7.30E+03	0.00E+00	0.00E+00	6.69E+00	6.69E+00	6.08E+00	9.12E+00	7.30E+03	0.00E+00
0.5 Mile	6.64E+03	0.00E+00	0.00E+00	6.08E+00	6.08E+00	5.53E+00	8.30E+00	6.64E+03	0.00E+00
					PLUME SEGMENT:				17

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	17	17	TIME:	13:01	to	13:16			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RSO-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	6.64E+03	0.00E+00	0.00E+00	6.08E+00	6.08E+00	5.53E+00	8.30E+00	6.64E+03	0.00E+00
2 Mile	4.30E+02	0.00E+00	0.00E+00	3.94E-01	3.94E-01	3.58E-01	5.37E-01	4.30E+02	0.00E+00
3 Mile	6.25E+02	0.00E+00	0.00E+00	5.73E-01	5.73E-01	5.21E-01	7.82E-01	6.25E+02	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.34E+02	0.00E+00	0.00E+00	2.15E-01	2.15E-01	1.95E-01	2.93E-01	2.34E+02	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	4.98E+03	0.00E+00	0.00E+00	4.57E+00	4.57E+00	4.15E+00	6.23E+00	4.98E+03	0.00E+00
K2	4.13E+03	0.00E+00	0.00E+00	3.78E+00	3.78E+00	3.44E+00	5.16E+00	4.13E+03	0.00E+00
K3	1.39E+02	0.00E+00	0.00E+00	1.28E-01	1.28E-01	1.16E-01	1.74E-01	1.39E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	2.02E+03	0.00E+00	0.00E+00	1.85E+00	1.85E+00	1.68E+00	2.52E+00	2.02E+03	0.00E+00
L2	8.35E+02	0.00E+00	0.00E+00	7.66E-01	7.66E-01	6.96E-01	1.04E+00	8.35E+02	0.00E+00
L3	7.50E+02	0.00E+00	0.00E+00	6.88E-01	6.88E-01	6.25E-01	9.38E-01	7.50E+02	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	9.95E+03	0.00E+00	0.00E+00	9.12E+00	9.12E+00	8.30E+00	1.24E+01	9.95E+03	0.00E+00
0.3Mile	7.30E+03	0.00E+00	0.00E+00	6.69E+00	6.69E+00	6.08E+00	9.12E+00	7.30E+03	0.00E+00
0.5 Mile	6.64E+03	0.00E+00	0.00E+00	6.08E+00	6.08E+00	5.53E+00	8.30E+00	6.64E+03	0.00E+00
					PLUME SEGMENT:				17


CURRENT TEDE DOSE RATE – (Rem/hr)
11-14-95
13:01:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 17
HOURS: 4.25
CONTOUR SCALE:
1.0E-003
1.0E-004
1.0E-005
1.0E-006
REG
SPEC
EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES


CURRENT TEDE DOSE RATE – [Rem/hr]
11-14-95
13:16:00
+10.
N
0.0
-10.
-10.
0.0
+10.
MODALE
CALIFORNIA JUNCTION
BLAIR
MISSOURI VALLEY
KENNARD
FORT CALHOUN
WASHINGTON
NASHVILLE
SEGMENT NO.: 18
HOURS: 4.50
CONTOUR SCALE:
1.0E-003
1.0E-004
1.0E-005
1.0E-006
REG
SPEC
EMER
PRINT
QUIT
MAP LEGEND:
+ PLANT
TOWN
ROAD
RIVER / LAKE
MAP SCALE IN MILES

PLUME EXPOSURE DATA AND FIELD TEAM DATA

DOSE ASSESSMENT DATA							
PLUME SEGMENT:		18		13:16	to	13:31	
	TEDE Dose Rate (Rem/hr	Plume-Aloft EDE Dose Rate (Rem/hr)	Ground-Plane DDE Dose Rate (Rem/hr)	CDE Dose Rate (Rem/hr)	I-131 Concentration (uCi/cc)	Particulate Concentration (uCi/cc)	Smear dpm/100cm2
SB	5.21E-03	0.00E+00	5.21E-03	0.00E+00	0.00E+00	0.00E+00	6.25E+04
2 Mile	3.38E-04	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00	4.06E+03
3 Mile	4.91E-04	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	5.89E+03
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	0.00E+00	2.21E+03
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	3.91E-03	0.00E+00	3.91E-03	0.00E+00	0.00E+00	0.00E+00	4.69E+04
K2	3.24E-03	0.00E+00	3.24E-03	0.00E+00	0.00E+00	0.00E+00	3.89E+04
K3	1.10E-04	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	1.32E+03
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	1.58E-03	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00	1.90E+04
L2	6.56E-04	0.00E+00	6.56E-04	0.00E+00	0.00E+00	0.00E+00	7.87E+03
L3	5.89E-04	0.00E+00	5.89E-04	0.00E+00	0.00E+00	0.00E+00	7.07E+03
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	7.82E-03	0.00E+00	7.82E-03	0.00E+00	0.00E+00	0.00E+00	9.38E+04
0.3Mile	5.73E-03	0.00E+00	5.73E-03	0.00E+00	0.00E+00	0.00E+00	6.88E+04
0.5 Mile	5.21E-03	0.00E+00	5.21E-03	0.00E+00	0.00E+00	0.00E+00	6.25E+04
			PLUME SEGMENT:				18

NEBRASKA FIELD TEAM DATA

NEBRASKA FIELD TEAM EQUIPMENT DATA										
PLUME SEGMENT:	18	18				TIME:	13:16	to	13:31	
NE	E-520/ (HP-260 or HP-210T) Beta Particulate (filter)			Dose Rates mR/hr (ESP-2 or RS0-5)				E-520 / (HP-260 or HP-210T) Iodine (Cartridge)		
	Contact net cpm	SH-4 net cpm	1.5 inch net cpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	SH-4 net cpm	1.5 inch net cpm
SB	0.00E+00	0.00E+00	0.00E+00	5.73E+00	5.73E+00	5.21E+00	7.82E+00	0.00E+00	0.00E+00	0.00E+00
2 Mile	0.00E+00	0.00E+00	0.00E+00	3.72E-01	3.72E-01	3.38E-01	5.07E-01	0.00E+00	0.00E+00	0.00E+00
3 Mile	0.00E+00	0.00E+00	0.00E+00	5.40E-01	5.40E-01	4.91E-01	7.37E-01	0.00E+00	0.00E+00	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-02	0.00E+00	0.00E+00	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	0.00E+00	0.00E+00	0.00E+00	4.30E+00	4.30E+00	3.91E+00	5.87E+00	0.00E+00	0.00E+00	0.00E+00
K2	0.00E+00	0.00E+00	0.00E+00	3.56E+00	3.56E+00	3.24E+00	4.86E+00	0.00E+00	0.00E+00	0.00E+00
K3	0.00E+00	0.00E+00	0.00E+00	1.21E-01	1.21E-01	1.10E-01	1.65E-01	0.00E+00	0.00E+00	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	0.00E+00	0.00E+00	0.00E+00	1.74E+00	1.74E+00	1.58E+00	2.37E+00	0.00E+00	0.00E+00	0.00E+00
L2	0.00E+00	0.00E+00	0.00E+00	7.22E-01	7.22E-01	6.56E-01	9.84E-01	0.00E+00	0.00E+00	0.00E+00
L3	0.00E+00	0.00E+00	0.00E+00	6.48E-01	6.48E-01	5.89E-01	8.84E-01	0.00E+00	0.00E+00	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	0.00E+00	0.00E+00	0.00E+00	8.60E+00	8.60E+00	7.82E+00	1.17E+01	0.00E+00	0.00E+00	0.00E+00
0.3Mile	0.00E+00	0.00E+00	0.00E+00	6.30E+00	6.30E+00	5.73E+00	8.60E+00	0.00E+00	0.00E+00	0.00E+00
0.5 Mile	0.00E+00	0.00E+00	0.00E+00	5.73E+00	5.73E+00	5.21E+00	7.82E+00	0.00E+00	0.00E+00	0.00E+00
						PLUME SEGMENT:				18

OPPD FIELD TEAM DATA

OPPD FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	18	18	TIME:	13:16	to	13:31			
OPPD	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	3 inch open	3 inch closed	3 & 5 ft. open	3 & 5 ft. closed	Smear net cpm	Particulate net cpm
SB	6.25E+03	0.00E+00	0.00E+00	5.73E+00	5.73E+00	5.21E+00	7.82E+00	6.25E+03	0.00E+00
2 Mile	4.06E+02	0.00E+00	0.00E+00	3.72E-01	3.72E-01	3.38E-01	5.07E-01	4.06E+02	0.00E+00
3 Mile	5.89E+02	0.00E+00	0.00E+00	5.40E-01	5.40E-01	4.91E-01	7.37E-01	5.89E+02	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.21E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-02	2.21E+02	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dair	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	4.69E+03	0.00E+00	0.00E+00	4.30E+00	4.30E+00	3.91E+00	5.87E+00	4.69E+03	0.00E+00
K2	3.89E+03	0.00E+00	0.00E+00	3.56E+00	3.56E+00	3.24E+00	4.86E+00	3.89E+03	0.00E+00
K3	1.32E+02	0.00E+00	0.00E+00	1.21E-01	1.21E-01	1.10E-01	1.65E-01	1.32E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	1.90E+03	0.00E+00	0.00E+00	1.74E+00	1.74E+00	1.58E+00	2.37E+00	1.90E+03	0.00E+00
L2	7.87E+02	0.00E+00	0.00E+00	7.22E-01	7.22E-01	6.56E-01	9.84E-01	7.87E+02	0.00E+00
L3	7.07E+02	0.00E+00	0.00E+00	6.48E-01	6.48E-01	5.89E-01	8.84E-01	7.07E+02	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	9.38E+03	0.00E+00	0.00E+00	8.60E+00	8.60E+00	7.82E+00	1.17E+01	9.38E+03	0.00E+00
0.3Mile	6.88E+03	0.00E+00	0.00E+00	6.30E+00	6.30E+00	5.73E+00	8.60E+00	6.88E+03	0.00E+00
0.5 Mile	6.25E+03	0.00E+00	0.00E+00	5.73E+00	5.73E+00	5.21E+00	7.82E+00	6.25E+03	0.00E+00
					PLUME SEGMENT:				**18**

IOWA FIELD TEAM DATA

IOWA FIELD TEAM EQUIPMENT DATA									
PLUME SEGMENT:	18	18	TIME:	13:16	to	13:31			
Iowa	ESP-2			Dose Rates mR/hr (ESP-2 or RS0-5)				Frisker/HP-260	
	Contact net cpm	Particulate net cpm	Iodine dpm	10 cm open	10 cm closed	1 meter open	1 meter closed	Smear net cpm	Particulate net cpm
SB	6.25E+03	0.00E+00	0.00E+00	5.73E+00	5.73E+00	5.21E+00	7.82E+00	6.25E+03	0.00E+00
2 Mile	4.06E+02	0.00E+00	0.00E+00	3.72E-01	3.72E-01	3.38E-01	5.07E-01	4.06E+02	0.00E+00
3 Mile	5.89E+02	0.00E+00	0.00E+00	5.40E-01	5.40E-01	4.91E-01	7.37E-01	5.89E+02	0.00E+00
4 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5 Mile	2.21E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-02	2.21E+02	0.00E+00
6 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10 Mile	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Goedekr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sass	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Japp Dairy	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Smith	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
J3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K1	4.69E+03	0.00E+00	0.00E+00	4.30E+00	4.30E+00	3.91E+00	5.87E+00	4.69E+03	0.00E+00
K2	3.89E+03	0.00E+00	0.00E+00	3.56E+00	3.56E+00	3.24E+00	4.86E+00	3.89E+03	0.00E+00
K3	1.32E+02	0.00E+00	0.00E+00	1.21E-01	1.21E-01	1.10E-01	1.65E-01	1.32E+02	0.00E+00
K4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L1	1.90E+03	0.00E+00	0.00E+00	1.74E+00	1.74E+00	1.58E+00	2.37E+00	1.90E+03	0.00E+00
L2	7.87E+02	0.00E+00	0.00E+00	7.22E-01	7.22E-01	6.56E-01	9.84E-01	7.87E+02	0.00E+00
L3	7.07E+02	0.00E+00	0.00E+00	6.48E-01	6.48E-01	5.89E-01	8.84E-01	7.07E+02	0.00E+00
L4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
L10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
M6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.1Mile	9.38E+03	0.00E+00	0.00E+00	8.60E+00	8.60E+00	7.82E+00	1.17E+01	9.38E+03	0.00E+00
0.3Mile	6.88E+03	0.00E+00	0.00E+00	6.30E+00	6.30E+00	5.73E+00	8.60E+00	6.88E+03	0.00E+00
0.5 Mile	6.25E+03	0.00E+00	0.00E+00	5.73E+00	5.73E+00	5.21E+00	7.82E+00	6.25E+03	0.00E+00
					PLUME SEGMENT:				18

OMAHA PUBLIC POWER DISTRICT

FORT CALHOUN STATION

1995

EMERGENCY PREPAREDNESS EXERCISE MANUAL

VOLUME

5

CAUTION: THIS MANUAL CONTAINS CONFIDENTIAL EXERCISE INFORMATION THAT CAN NOT BE SHARED WITH EXERCISE PARTICIPANTS PRIOR TO THE 1995 EMERGENCY PREPAREDNESS EXERCISE SCHEDULED FOR NOVEMBER 14, 1995.

1995

FORT CALHOUN STATION

EMERGENCY PREPAREDNESS EXERCISE

TABLE OF CONTENTS

SCENARIO EVENTS
TABLE OF CONTENTS

SCENARIO EVENTS
NARRATIVE SUMMARY

These Rumor Control messages are designed to test the Media Release Center and the Rumor Control Center personnel's ability to deal with rumors in a coordinated manner.

The Rumor Control Center should be able to respond to calls from the general public and media, monitor the effectiveness of Emergency Broadcast System (EBS) messages and other forms of public notification and take corrective measures through the use of EBS or other disseminations to the public and media to dispel false or misleading rumors that could interfere with implementation of protective action recommendations (PAR).

A series of 84 messages were designed to be called into the joint OPPD/State of Nebraska Rumor Control Center located at the Media Release Center in the OPPD Corporate Headquarters Building. Fifteen of these messages were selected to be called into the State of Iowa Rumor Control Center in Des Moines.

To add to the realism on exercise day, some of the messages were left blank so that the personnel assigned to calling in these messages could create their own messages based on an unexpected turn of events that may come up on exercise day. The times at the top of each message are meant only as an approximate guide to aid in pacing the exercise, the actual time that messages are called in may vary. On exercise day a selected group will act as press personnel at the MRC. No scripted messages have been written for them, although an MRC controller may ask, or request that a mock media reporter ask a specific question if it is felt that this question will enhance exercise play.

To comply with the requirements of FEMA-REP-14 Objective 13 enough messages to supply each of four operators with six calls per hour were created. Six messages per hour were also created for the Iowa Rumor Control Center. Additionally three rumor trends were created to test the Rumor Control Center ability to identify and control false and misleading information.

MESSAGE #	**RC1ex 11/14/95**	
TO:	**Rumor Control**	
FROM:	**Media**	
TIME:	**09:00**	**CONTROLLER:**

MESSAGE: ***"THIS IS A DRILL MESSAGE"***

Hello this is the World Herald. We've received word of the accident at the Fort Calhoun Plant and we would like to get some information. Is Hank Sterba available?

What precautions should the public take at this time?

EXPECTED ACTIONS:

Were you transferred to the MRC Director?

Were you given useful information?

Were you told to listen to the EBS station (KFAB)?

COMMENTS:

MESSAGE #	RC2ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	09:02	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is WHO TV in Des Moines, has access to the Blair area been blocked due to the event?

Who is in charge of media relations for NPPD?

EXPECTED ACTIONS:

Were you told the name of the MRC Director?

Where you given useful information?

Where you told to listen to the EBS station (KFAB)?
Did you tell them you couldn't?

Was the NPPD mix up corrected?

COMMENTS:

MESSAGE #	RC3ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	09:05	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is FOX 42 news, has OPPD released any information on the fire at Fort Calhoun Station?

Are any Radioactive releases projected?

Did the Earthquake we just had, affect the facility?

If the radiation is burning does that make it easier for it to get out of the plant?

EXPECTED ACTIONS:

Were you transferred to the MRC Director?

Were you given useful information?

Were you told to listen to the EBS station (KFAB)?

COMMENTS:

MESSAGE #	RC4ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	09:07	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is * * with KFIB radio. One of our listeners just called and said it looks like smoke is pouring out of your plant. Is the reason you declared a Site Area Emergency* because of a major fire?

Is there radiation on fire?

* Actual classification is only ALERT at this point

EXPECTED ACTIONS:

Were you transferred to MRC Director?

Did they correct you about the Site Area emergency Classification?

Were you given any information about there not being a fire?

COMMENTS:

MESSAGE #	RC5ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:10	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I heard about the fire in the steam generator at Fort Calhoun. I used to work there during outages and those things were really crapped up. Is the radiation that was in them on fire too?

EXPECTED ACTIONS:

Did they correct you in the fact that there was a diesel generator fire (not steam generator) ? and that the diesel generators do not contain any radioactive material?

COMMENTS:

MESSAGE #	RC6ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	09:13	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is Channel 3 news. We have a news team in route to Fort Calhoun via helicopter. Who do we talk to about gaining access to the site?

Why can't we land there ? We were told that no radiation has been released.

EXPECTED ACTIONS:

Were you transferred to the MRC Director?

Were you told not to fly over the Plant?

COMMENTS:

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MESSAGE #	**RC7ex 11/14/95**	
TO:	**Rumor Control**	
FROM:	**Media**	
TIME:	**09:15**	**CONTROLLER:**

MESSAGE: ***"THIS IS A DRILL MESSAGE"***

This is the Blair Pilot. We would like a copy of all news releases faxed to our office. Can anyone help us?

EXPECTED ACTIONS:

Were you transferred to the MRC Director?

Was your question answered to your satisfaction?

COMMENTS:

MESSAGE #	RCBex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:17	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I heard about the fire at the plant. Is this the start of a China yndrome accident?

EXPECTED ACTIONS:

COMMENTS:

MESSAGE #	RC9ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	09:20	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Yes, this is TV Station KLIE in Linclon. We were just verifying that this is the correct number.

EXPECTED ACTIONS:

COMMENTS:

MESSAGE #	RC10ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:25	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Did the earthquake cause any further effect on the damage at Fort Calhoun?

EXPECTED ACTIONS:

Were you told that it was too early to tell?

Were you told to listen to KFAB and other news broadcasts?

COMMENTS:

MESSAGE #	RC11ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:27	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Was what I felt really an earthquake or was that the nuke plant that blew up. Seems kinda funny to me that all of a sudden we have an earthquake in Blair at the exact same time the nuke plant is burning up.

EXPECTED ACTIONS:

Were you told to monitor KFAB?

Were you told that there had indeed been an earthquake?

COMMENTS:

MESSAGE #	RC12ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	09:30	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is CNN, we have received word that OPPD's Fort Calhoun Station has declared a Site Area Emergency.

Is the earthquake that occurred in your area responsible for this classification?

How much radiation is the General Public being exposed to?

EXPECTED ACTIONS:

Were you told to monitor KFAB?

Were you told that at this time no radiation releases had occurred?

COMMENTS:

MESSAGE #	RC-13ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:32	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

According to this book you sent me, you declare an emergency when there's danger of a radiation release. So what is going on there that your not telling us about?

EXPECTED ACTIONS:

Did they tell you that there was no release at this time?

Did they tell you to monitor KFAB for updates?

COMMENTS:

95ex\rcmess

MESSAGE #	RC14ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:35	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I was wondering about the people who were burned in the radiation fire up there at Fort Calhoun after the earthquake. To bring them through Omaha to the hospital they will have to go past my house. What kind of precautions should I take?

NOTE:

Person lives on north 30th Street, if asked.

If asked about where you heard this information about burn victims tell them you heard it on TV, you do not know which Channel.

EXPECTED ACTIONS:

Were you informed that no one was burned at the plant?

Did they attempt to find out where you heard about people being burned?

COMMENTS:

MESSAGE #	RC15ex 11/14/95	IOWA # 515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:37	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Hello? I have trees across my driveway at my house, can you get someone out to clear them?

In case we have to evacuate.

NOTE:

If asked, you live in the City of Missouri Valley?

EXPECTED ACTIONS:

Were you given the sheriff's #?

Were you told to monitor KFAB?

COMMENTS:

MESSAGE #	RC16ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:40	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Hello, my son works at Fort Calhoun Station and I just heard about the fires out there caused by the quake can you let me know if he's ok?

NOTE:

If asked, your son is a contractor electrician.

EXPECTED ACTIONS:

Were you told that there were no fire related injuries at the site?

Were you told to monitor KFAB?

Were you informed that an accountability of all personnel would be performed?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC17ex 11/14/95
TO:	Rumor Control
FROM:	Media
TIME:	09:42

CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is KKAR, we are receiving reports from our listeners that there is a fire at Fort Calhoun, which has caused injuries and possible deaths. Can you comment on this?

EXPECTED ACTIONS:

Were you told that there were no fire related injuries at the site?

Were you told to monitor news releases?

Were you informed that an accountability of all personnel would be performed?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC18ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	09:45	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is CNN, we have established a Earthquake Report Center in Omaha and we would like to have a member of OPPD's staff come to our facility to update our viewers on the status of the emergency at Fort Calhoun.

Can you put us in contact with someone who can arrange this?

EXPECTED ACTIONS:

Were you told to come to the MRC?

Were you told to monitor news releases?

Were you put in contact with anyone from Corp. Communications?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC19ex 11/14/95		
TO:	Rumor Control		
FROM:	Citizen		
TIME:	09:47	CONTROLLER:	

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Create your own message.

COMMENTS:

MESSAGE #	RC20ex 11/14/95	Iowa # 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:50	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Can you give me a report on the condition of bridges on US 30 west of Logan to the Missouri River?

Have any of the roads been closed due to the quakes?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC21ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:55	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is Senator Kerry's office in Washington. President Clinton has been briefed about the earthquake in the Omaha area and has been made aware of the accident at your facility. Needless to say Mr. Clinton is very concerned. He has requested that you establish a hotline to our office so that we can keep him and other Nebraska and Iowa Legislators in Washington informed of any change in status.

Who can help us establish this link?

NOTE:

You can supply a Phone # and Fax #

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did a member of OPPD upper Management or The MRC Manager update you on conditions?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC22ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:55	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Create your own message.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

COMMENTS:

MESSAGE #	RC23ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	09:57	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is The Lincoln Star, we keep having people call here saying that there is a fire at Fort Calhoun with a large release of radiation. Why aren't your news releases addressing this issue?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	**RC24ex 11/14/95**	
TO:	**Rumor Control**	
FROM:	**Media**	
TIME:	**10:00**	**CONTROLLER:**

MESSAGE: ***"THIS IS A DRILL MESSAGE"***

This is " " with the World Herald. In 1993, Fort Calhoun Station had a practice exercise with several federal level agencies at the National Guard Armory. Have any of those agencies responded to the current event at your facility?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC25ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	10:03	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is the Associated Press Regional Office in Minneapolis. We are preparing to send our special event equipment to Omaha to cover the earthquake and the event at your facility. Does OPPD have space available at Fort Calhoun for our equipment?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC26ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:05	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is Mac Brown and I own a cattle feed lot.

What kind of precautions should I be taking with my livestock?

What will happen if we have to get out of here?

Who will pay for any animals that die from radiation?

NOTE:

If asked, you live east of Logan, Iowa.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC27ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:08	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Did we really have an earthquake or was that a melt down at your plant?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC28ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:10	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is the citizens action group BANANA "Build Absolutely Nothing Absolutely Nowhere At all" we tried to warn you about this. We are now demanding that OPPD join with us in closing all other Nuclear Power Plants in the world. We also demand that an apology to the citizens of our world by OPPD be issued.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC29ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:12	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is Mrs. Emily Pioneer, I live north of Blair along the river. I have trees and the like across my driveway. I was reviewing this book you sent me last summer and it said I should evacuate to Fremont if your plant blew up. Can any one come out and clear my road so that I can get out?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you referred to the Washington County Sherrif's office?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC30ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:15	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

"Create your own message"

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC31ex 11/14/95	IOWA 1-515 [illegible]42-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:17	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

How are we going to evacuate with all the roads closed because of the earthquake? Why, I heard that all bridges on 30 between Fremont and Logan are down.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC32ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	10:20	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Has the second quake at Fort Calhoun increased the severity of the incident at your plant?

Do you plan to upgrade your emergency classification?

Has there been any release of radiation?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC33ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	10:23	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is Channel 15 news. We have received reports of major infrastructure damage in the area around Fort Calhoun Station. How is this going to affect any attempts to evacuate the area if the severity of the accident at your facility increases.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC34ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:25	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I have heard that all the road bridges are either down or unsafe for passage. How are we going to evacuate from here if you guys start spewing radiation all over the place?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	**RC35ex 11/14/95**	
TO:	**Rumor Control**	
FROM:	**Citizen**	
TIME:	**10:27**	**CONTROLLER:**

MESSAGE: ***"THIS IS A DRILL MESSAGE"***

My husband and my son went out by your plant this morning to ride trail bikes. Can anyone go out and look for them?

NOTE:

If asked you believe they were going to ride on some of the abandoned roads in the hills south of Blair.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you referred to the Washington County Sheriff's Office?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC36ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Media	
TIME:	10:30	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is the AP. Has anything been done to confirm the safety of the infrastructure around Fort Calhoun Station? Who's responsibility is this?

Has rail traffic been stopped?

Will an evacuation of the general public be ordered prior to confirmation of road and bridge safety?

Have the reception centers been checked to determine their safety?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC37ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:32	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is " " I live out by Cottonwood Marina. The earthquake started one of your sirens out here and according to this book you sent me I'm supposed to listen to the radio. But our electricity is out and I couldn't so I thought I'd call for information.

NOTE:

If reminded, person never thought of using car radio.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you referred to the Washington County Sheriff's Office?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC38ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:35	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Yes I've heard that the second earthquake took out the Blair Bridge. Is that true?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

COMMENTS:

MESSAGE #	RC39ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:37	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

With all the roads out and no electricity or anything, how are we going to evacuate?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	**RC40ex 11/14/95**	
TO:	**Rumor Control**	
FROM:	**Citizen**	
TIME:	**10:40**	**CONTROLLER:**

MESSAGE: ***"THIS IS A DRILL MESSAGE"***

I've got an electrical wire down in my back yard that is shooting sparks everywhere. Is that nuclear electricity?

Can I do anything to protect myself from the radiation?

Can the electricity hurt me?

NOTE: If asked, you live in Blair next to the High School.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they refer you to the Washington County Sheriff's Department?

Did they request your phone #?

Did they clarify the misconception about the "nuclear electricity"?

COMMENTS:

MESSAGE #	RC4(ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:42	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

My husband went fishing out along the river this morning, can anyone go look for him?

NOTE:

You believe that he is somewhere near the Cottonwood Marina on the Blair side of the river.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they refer you to the Washington County Sheriff's Department?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC42ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:45	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Create your own message

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC43ex 11/14/95	IOWA #7 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:47	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I've heard that all the roads have been condemned for travel except for emergencies. Is that true?

What constitutes an emergency in your opinion?

If I'm out of electricity and can't heat my house, isn't that an emergency?

NOTE: If asked you are 27 years old and in good health, your husband is also at home and also able-bodied.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you referred to the sheriff's phone #?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC44ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	10:50	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is Talk Radio KLIE in Denver, one of our listeners called in and told us that according to her aunt's neighbor in Omaha, whose cousin's husband is a volunteer fireman in Blair, NE, there is not only a radiation release from Fort Calhoun but also a chemical release from a neighboring corn processing plant. We were also told that all the roads were destroyed by the earthquake and that the people in the area are just sitting ducks. Can you verify this?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC45ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	10:52	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is CNN we are hearing reports of a radiation leak from Fort Calhoun Station and also a chemical leak from a nearby corn processing facility? Can you confirm this?

What kind of chemical is involved?

What can the public do to protect themselves?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC46ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	10:55	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is The Rocky Mountain News in Denver. We have reports of a radiation and chemical release at your nuclear power facility in Blair, NE. Are the chemicals radioactive? Can you confirm this release?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC47ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:00	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is J. O. Spot and I represent the Rapid City, South Dakota Fire Department. We are prepared to send a mutual aide unit to assist you in the clean up in your area. Can you put us in touch with the proper authorities?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC48ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:00	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

create your own message

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC49ex 11/14/95	IOWA 1-515-242 5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:02	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I'm glad I finally got through!!!!!! I'm expecting a baby any day and I need to find out if this radiation is going to harm it. My aunt in Omaha gave me this number. Is there anyone who can help me?

NOTE:

If asked, you live in Council Bluffs, Iowa.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC50ex 11/14/95
TO:	Rumor Control
FROM:	Citizen
TIME:	11:05

CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

create your own message

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC51ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:08	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Hello, my name is " " and I live in Blair but work in Omaha. I just got your guys' number from a friend.

My problem is that I have 2 preschool children at a sitters house in Blair and I can't get through to that

number. I tried the sheriff's number but it was busy. Can you help me find out about my babies?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they try to comfort you?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC52ex 11/14/95	IOWA 1-515-2425448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:10	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Yeah, I heard about all the hoopla going on over there in Omaha. With all the radiation all over the place who is paying us farmers for our crops? I suppose not only do I lose that but now my taxes will be going up too.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they try to comfort you?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC53ex 11/14/95	IOWA 1-515-2425448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:13	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is CITYS "Citizens Insuring That Your Safe." We have been watching the nuclear disaster develop over in Omaha. How many deaths are being predicted from this? Are the owners of the plant going to be charged with their murders?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they try to comfort you?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC54ex 11/14/95
TO:	Rumor Control
FROM:	Citizen
TIME:	11:15

CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Yeah I been hearing that the release from Fort Calhoun is a radioactive toxic chemical, and that everything for miles around is going to die.

How do I know what your telling me is true? You told us that damn thing was safe too!!!

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they try to comfort you?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC55 11/14/95
TO:	Rumor Control
FROM:	citizen
TIME:	11:17

CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Hey, I've been looking for information on this mess on the Internet. What's your guys' file #?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they try to comfort you?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC56ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:20	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Hello, can you help me?

I work in Omaha but live in Blair, I've been trying to get through to my family but nobody answers.

Can you find out if they are ok?

Are they going to evacuate them?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they try to comfort you?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC57ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:20	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

What kind of federal assistance are we going to get after they turn our land into a nuclear waste dump?

It's God sending a message, I tell you!!!

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they try to comfort you?

Did they request your phone #?

COMMENTS:

MESSAGE #	**RC58ex 11/14/95**	
TO:	**Rumor Control**	
FROM:	**Media**	
TIME:	**11:23**	**CONTROLLER:**

MESSAGE: ***"THIS IS A DRILL MESSAGE"***

Yes this is the "Inside Edition" production offices in New York. We have production crews en route to your city. When they get there we would like to be granted an exclusive interview with your corporate spokesperson. Can you put us through to his assistant so that we can arrange this?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they put you through to the MRC Manager?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC59ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	11:25	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Yes this is the Des Moines Register. We are being inundated with calls saying that there is also a chemical release going on. Some reports say it's from your facility and others say it is from the neighboring corn processing facility. We also have reports of deaths in and around your plant. Who can confirm or deny these rumors for use? Are any federal agencies investigating this accident?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they put you through to the MRC Manager?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC60ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Media	
TIME:	11:30	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is the Gazette in Cedar Rapids. We are watching the events in Omaha very closely. What we would like to know is with a natural disaster and a radiation release occurring together, what federal agency takes command of events? Where is their command post? Do you have their phone #?

In your opinion, has enough effort been put into multi-event disaster planning?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they put you through to the MRC Manager?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC61ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:30	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is " " I live over here in Missouri Valley. I've got a question about radiation. What type of radiation is being released from your plant. Is it the bad kind like when you blow up a bomb or the good kind like the doctor gives you?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC62ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:33	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Hello !!!!! I need to report a radiation overexposure.

WAIT FOR RESPONSE: It's my daughter, she was playing outside this morning and when she came in she was feeling ill. She was outside for over 2 hours and the radio said we should seek shelter.

INCIDENT FACTS: Person lives in West Omaha- daughter is 4 years old- daughter played outside from 0730 to 0930- daughter has been listening to news reports about the accident since then.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you told to contact a doctor?

Did they request your phone #?

Were you told that the release of radiation did not start till 10:30 and is not affecting the west Omaha area.

COMMENTS:

MESSAGE #	RC63ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:35	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Can anyone there give me some information on radiation? How do I tell when I've got too much?

How do I know if my food is safe? How many people will get cancer from this radiation?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you referred to medical personnel for assistance in answering your questions?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC64ex 11/14/95
TO:	Rumor Control
FROM:	Media
TIME:	11:40

CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is CNN, we have a helicopter in the area and would like to land at your site and if possible get some interviews with workers. Is there a landing pad on-site?

Who can authorize interviews with emergency workers?

At the Missouri Valley, Iowa DOT facility we observed some workers dressed in white clothing with radiation monitors. Can you tell us what their function is in this emergency?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you referred to the MRC director to answer your questions?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC65ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:42	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

All the geese are in at DeSoto Wildlife Refuge now. What is going to happen if they get contaminated with radiation and then fly south for the winter. Won't they take the contamination with them? What will happen to hunters who shoot and eat them? Will their families get sick?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you referred to medical personnel for assistance in answering your questions?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC66ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:45	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Hello this is " " of the Cedar Rapids, Iowa Fire Department. We are members of the Duane Arnold Energy Center Off-Site Response Organization. We would like to volunteer our assistance with the Fort Calhoun incident.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC67ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:47	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I read an article about Chernobyl. In it, it said that we couldn't have an accident in the United States because our Containment Building was stronger. Is that Containment Building still working at Fort Calhoun or are we going to have a Chernobyl type situation here?

That article on Chernobyl also estimated that over 200,000 people would die as a result of that accident. Will that many die around Omaha?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	**RC68ex 11/14/95**
TO:	**Rumor Control**
FROM:	**Citizen**
TIME:	**11:50**

CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Hello, I live in Lincoln and I see by the maps that the radiation is heading this way. Should I be getting out of here now? How far away do I have to go to be safe?

WAIT FOR REPLY I remember at Chernobyl that all of Europe was affected. How come this accident is only affecting such a small area?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	**RC69ex 11/14/95**		
TO:	**Rumor Control**		
FROM:	**Citizen**		
TIME:	**11:53**	**CONTROLLER:**	

MESSAGE: ***"THIS IS A DRILL MESSAGE"***

My husband is a member of the Mondamin Volunteer Fire Department. He was called out earlier today to help get rid of the radiation somewhere in Missouri Valley.

I'm concerned that he is getting too much of it, can you find him and tell him to come home?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you referred to the Forward command post in Logan Iowa?

Did they request your phone #?

Were you told that emergency workers are carefully monitored for radiation?

COMMENTS:

MESSAGE #	RC70ex 11/14/95	
TO:	Rumor Control	
FROM:	Media	
TIME:	11:55	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is " " with the Wall Street Journal. I am currently working on an article about the impending deregulation of the electric power industry and the safety of all the cost cutting measures that utilities are taking in order to remain competitive. I would like to talk to a representative of your company about this issue and todays event at your facility. Can you put me through?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you forwarded to the MRC director?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC71ex 11/14/95
TO:	Rumor Control
FROM:	Citizen
TIME:	11:57

CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I have a cousin who lives in Middletown, Pennsylvania where the Three Mile Island Plant is. She told me that it was months before they got rid of all the radiation around there and that childhood leukemia is still high and that they even found some three-eyed toads in the area. Is the accident at Fort Calhoun going to cause this type of event to occur in Omaha? What about all the geese in DeSoto Bend?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you forwarded to medical authorities?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC72ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Media	
TIME:	12:00	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is National Sportsmen Magazine. We had a crew out at the DeSoto Wildlife Refuge this morning for an article on all the geese that are now there. They were asked to leave because of the accident at a nuclear power plant in Nebraska. Our question is what effect the radiation will have on the birds and their off-spring? Additionally, while we were still there the first earthquake frightened many of the birds away. Did they return prior to the radiation release?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you forwarded to wildlife authorities?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC73ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:02	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I've heard so many stories about nuclear power and radiation. It seems that it is either the most horrid thing ever or the greatest thing since sliced bread depending on whose propaganda machine you listen to.

Can you recommend a reliable source of information about radiation that the general public can read?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you forwarded to medical authorities?

Did they request your phone #?

Was the library recommended?

COMMENTS:

MESSAGE #	RC74ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:05	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Is it safe to eat vegetables from my garden?

NOTE:

If asked you live in Denison Iowa

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you forwarded to medical authorities?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC75ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:08	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

How much longer is this radiation release going to last?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they tell you to listen to KFAB?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC76ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:10	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is the dispatcher for the Illinois Motor Freight in Peoria, Illinois. We would like some information on the Omaha area so that we can properly route our traffic. Can anyone help us?

IF FORWARDED: Ask logistical questions about road closures, delays, etc.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they refer you to DOT?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC77ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:12	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Create your own message

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

COMMENTS:

MESSAGE #	RC78ex 11/14/95
TO:	Rumor Control
FROM:	Citizen
TIME:	12:15

CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Create your own message

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

COMMENTS:

MESSAGE #	RC79ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:17	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Yes, hello, is this the rumor line? I have a question about your accident. When the accident first happened they were showing a ten mile map and talking about evacuating and sheltering. Now some of the T.V. Stations have a map going out 50 miles in all directions. Does this mean the accident is getting worse?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you transferred to someone who could answer the question?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC80ex 11/14/95
TO:	Rumor Control
FROM:	Citizen
TIME:	12:20

CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I'm calling from Los Angeles. We are from the Blair area and are visiting our son. We were returning tomorrow. Do you think we should extend our stay a coupie more days to let things quiet down?

Can someone check on our house? We had a neighbor watching it but we can't get through on the phone.

Has it been determined if any injuries or deaths have occurred in the area?

Who would've believed it, we were afraid to come out here because of earthquakes and you have two in Big Red country!!!!!!!!!!!!!!!!!!!!!!!!

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC81ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:22	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

create your own message

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

COMMENTS:

MESSAGE #	RC82ex 11/14/95	IOWA 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:25	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Yes, my name is I. M. Greidy. I am a vice president for the Equable Insurance Company in Des Moines.

We would like to be put in contact with a representative of the American Nuclear Insurers. Can you provide a number?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC83ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:27	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I need to talk to someone who works at the plant. Can you give me his number?

His name is Ron Meng; it is a family emergency.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC84ex 11/14/95	
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:30	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Is it over yet?

EXPEC[illegible]CTIONS:

Who [illegible]ur request?

Did you feel [illegible] adequate?

Did they request [illegible]?

COMMENTS:

STATE OF IOWA
RUMOR CONTROL MESSAGES

MESSAGE #	RC15ex 11/14/95	IOWA #1 515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:37	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Hello? I have trees across my driveway at my house, can you get someone out to clear them?

In case we have to evacuate.

NOTE:

If asked, you live in the City of Missouri Valley?

EXPECTED ACTIONS:

Were you given the sheriff's #?

Were you told to monitor KFAB?

COMMENTS:

MESSAGE #	RC20ex 11/14/95	Iowa #2 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	09:50	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Can you give me a report on the condition of bridges on US 30 west of Logan to the Missouri River?

Have any of the roads been closed due to the quakes?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC26ex 11/14/95	IOWA #3 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:05	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is Mac Brown and I own a cattle feed lot.

What kind of precautions should I be taking with my livestock?

What will happen if we have to get out of here?

Who will pay for any animals that die from radiation?

NOTE:

If asked you live east of Logan, Iowa

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC31ex 11/14/95	IOWA #4 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:17	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

How are we going to evacuate with all the roads closed because of the earthquake? Why, I heard that all bridges on 30 between Fremont and Logan are down.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC34ex 11/14/95	IOWA #5 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:25	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I have heard that all the road bridges are either down or unsafe for passage. How are we going to evacuate from here if you guys start spewing radiation all over the place?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC36ex 11/14/95	IOWA #6 1-515-242-5448
TO:	Rumor Control	
FROM:	Media	
TIME:	10:30	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is the AP. Has anything been done to confirm the safety of the infrastructure around Fort Calhoun Station? Who's responsibility is this?

Has rail traffic been stopped?

Will an evacuation of the general public be ordered prior to confirmation of road and bridge safety?

Have the reception centers been checked to determine their safety?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC39ex 11/14/95	IOWA #7 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:37	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

With all the roads out and no electricity or anything, how are we going to evacuate?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC43ex 11/14/95	IOWA #8 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	10:47	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

I've heard that all the roads have been condemned for travel except for emergencies. Is that true?

What constitutes an emergency in your opinion?

If I'm out of electricity and can't heat my house, isn't that an emergency?

NOTE: If asked, you are 27 years old and in good health, your husband is also at home and also able-bodied.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you referred to the sheriff's phone #?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC47ex 11/14/95	Iowa #9 1-515 242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:00	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is J. O. Spot and I represent the Rapid City, South Dakota Fire Department. We are prepared to send a mutual aide unit to assist you in the clean up in your area. Can you put us in touch with the proper authorities?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC60ex 11/14/95	IOWA #10 1-515-242-5448
TO:	Rumor Control	
FROM:	Media	
TIME:	11:30	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is the Gazette in Cedar Rapids. We are watching the events in Omaha very closely. What we would like to know is with a natural disaster and a radiation release occurring together what federal agency takes command of events? Where is their command post? Do you have phone #?

In your opinion, has enough effort been put into multi event disaster planning?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they put you through to the MRC Manager?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC66ex 11/14/95	IOWA #11 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	11:45	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Hello this is " " of the Cedar Rapids, Iowa Fire Department. We are members of the Duane Arnold Energy Center Off-Site Response Organization. We would like to volunteer our assistance with the Fort Calhoun incident.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC72ex 11/14/95	IOWA #12 1-515-242-5448
TO:	Rumor Control	
FROM:	Media	
TIME:	12:00	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is National Sportsmen Magazine. We had a crew out at the DeSoto Wildlife Refuge this morning for an article on all the geese that are now there. They were asked to leave because of the accident at a nuclear power plant in Nebraska. Our question is what effect the radiation will have on the birds and their off-spring? Additionally, while we were still there the first earthquake frightened many of the birds away. Did they return prior to the radiation release?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you forwarded to wildlife authorities?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC76ex 11/14/95	IOWA #13 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:10	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

This is the dispatcher for the Illinois Motor Freight in Peoria, Illinois. We would like some information on the Omaha area so that we can properly route our traffic. Can anyone help us?

IF FORWARDED: Ask logistical questions about road closures, delays, etc.

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they refer you to DOT?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC79ex 11/14/95	IOWA#14 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:17	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Yes, hello, is this the rumor line? I have a question about your accident. When the accident first happened they were showing a ten mile map and talking about evacuating and sheltering. Now some of the T.V. Stations have a map going out 50 miles in all directions. Does this mean the accident is getting worse?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Were you transferred to someone who could answer the question?

Did they request your phone #?

COMMENTS:

MESSAGE #	RC82ex 11/14/95	IOWA #15 1-515-242-5448
TO:	Rumor Control	
FROM:	Citizen	
TIME:	12:25	CONTROLLER:

MESSAGE: *"THIS IS A DRILL MESSAGE"*

Yes, my name is I. M. Greidy. I am a vice president for the Equable Insurance Company in Des Moines.

We would like to be put in contact with a representative of the American Nuclear Insurers. Can you provide a number?

EXPECTED ACTIONS:

Who answered your request?

Did you feel response was adequate?

Did they request your phone #?

COMMENTS: