OFFSITE DOSE CALCULATION MANUAL - TABLE OF CONTENTS

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*This is a major rewrite, therefore, no sidelines are required.

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1.0 RECORD OF REVISION

Revision No.	Date	Reason for Revision
2	October - 2000	Moved previous ODCM-08.01 contents to ODCM-APP-B, Rev 0. Changed this section name to “REPORTING REQUIREMENTS” and incorporated applicable sections of T.S. sections 6.6.A, 6.6.B, 6.7.A.4, 6.7.A.5, and 6.7.C into this document.

2.0 REPORTING REQUIREMENTS

2.1 Radioactive Effluent Release Report

In accordance with T.S. 6.7.A.4 the Radioactive Effluent Release Report covering the operation of the unit ***SHALL*** be submitted in accordance with 10CFR 50.36A.

2.1.1 The Radioactive Effluent Release Report covering the operation of the unit during the previous calendar year ***SHALL*** be submitted prior to May 15 of each calendar year.

2.1.2 The Radioactive Effluent Release Report ***SHALL*** include a summary of the quantities of radioactive liquid and gaseous effluents and solid waste released as outlined in Appendix B of Regulatory Guide 1.21, Revision 1, June, 1974, with the data summarized on a quarterly basis. In the event that some results are not available for inclusion with the report, the report ***SHALL*** be submitted noting and explaining the reasons for the missing results. The missing data ***SHALL*** be submitted as soon as possible in a supplementary report.

2.1.3 The Radioactive Effluent Release Report ***SHALL*** include an assessment of the radiation doses from radioactive effluents released from the unit during the previous calendar year. This report ***SHALL*** also include an assessment of the radiation doses from radioactive liquid and gaseous effluents to the individuals due to their activities inside the site boundary (ODCM-02.01 Figure 1 and ODCM-03.01 Figure 1) during the report period. All assumptions used in making these assessments (i.e., specific activity, exposure time and location) ***SHALL*** be included in the reports. The assessment of radiation doses ***SHALL*** be performed in accordance with the ODCM or standard NRC computer codes.

2.1.4 The Radioactive Effluent Release Report ***SHALL*** also include an assessment of radiation doses to the most likely exposed member of the public from reactor releases and other nearby uranium fuel cycle sources (including doses from primary effluent pathways and direct radiation) for the previous 12 consecutive months to show compliance with 40CFR190, Environmental Radiation Protection Standards for Nuclear Power Operation.

2.1.5 The Radioactive Effluent Release Report ***SHALL*** include the following information for solid waste shipped off-site during the report period.

A. Container volume

B. Total curie quantity (specify whether determined by measurements or estimate),

C. Principal radionuclides (specify whether determined by measurement or estimate),

D. Type of waste (e.g., spent resin, compacted dry waste),

E. Type of container (e.g., LSA, Type A, Type B, Large Quantity), and

F. Solidification agent (e.g., cement, urea formaldehyde).

2.1.6 The Radioactive Effluent Release Report ***SHALL*** include unplanned releases from the site of radioactive materials in gaseous and liquid effluents on a quarterly basis.

2.1.7 The Radioactive Effluent Release Report ***SHALL*** include a description of changes to the PCP.

2.1.8 The Radioactive Effluent Release Report ***SHALL*** contain a report of when milk or leafy green vegetable samples specified in ODCM-07.01 Table 1 cannot be obtained from the designated sample locations, and identify the new locations added to and deleted from the monitoring program.

2.1.9 The Radioactive Effluent Release Report ***SHALL*** identify Land Use Census identified locations which yield a calculated dose or dose commitment (via the same exposure pathway) 20 percent greater than at a location from which samples are currently being obtained in accordance with ODCM-07.01 Control 2.1.1.

2.2 Radiological Environmental Operating Report

In accordance with T.S.6.7.C.1, the Radiological Environmental Operating Report covering the operation of the off-site monitoring program ***SHALL*** be submitted and ***SHALL*** include:

2.2.1 The Annual Radiological Environmental Operating Report covering the operation of the site during the previous calendar year ***SHALL*** be submitted by May 15 of each year. The report ***SHALL*** include summaries, interpretations, and analyses of trends of the results of the Radiological Environmental Monitoring Program for the reporting period. The material provided ***SHALL*** be consistent with the objectives outlined in the Offsite Dose Cclculation Manual (ODCM), and in 10CFR50, Appendix I, Sections IV.B.2, IV.B.3, and IV.C.

2.2.2 The Annual Radiological Environmental Operating Report ***SHALL*** include the results of analyses of all radiological environmental samples and of all environmental radiation measurements taken during the period pursuant to the locations specified in the table and figures in the ODCM, as well as summarized and tabulated results of these analyses and measurements in the format of the table in the Radiological Assessment Branch Technical Position, Revision 1, November 1979. In the event that some individual results are not available for inclusion with the report, the report ***SHALL*** be submitted noting and explaining the reasons for the missing results. The missing data ***SHALL*** be submitted in a supplementary report as soon as possible.

2.2.3 The report ***SHALL*** also include the results of the land use census required by ODCM-07.01 Control 2.2.1. If harmful effects or evidence of irreversible damage are detected by the monitoring, the report ***SHALL*** provide an analysis of the problem and a planned course of action to alleviate the problem.

2.2.4 The Radiological Environmental Operating Report ***SHALL*** include the following: a summary description of the Radiological Environmental Monitoring Program; a map of sampling locations keyed to a table giving distances and directions from the reactor; and the results of licensee participation in the Interlaboratory Comparison Program, required by ODCM-07.01 Control 2.4.1.A.

2.2.5 The Radiological Environmental Operating Report ***SHALL*** include reasons for all deviations from the REMP sampling program as specified in ODCM-07.01 Table 1 and plans for the prevention of a recurrence, if applicable.

2.2.6 If the level of radioactivity in an environmental sampling medium at a specified location exceeds the reporting levels of ODCM-07.01 Table 2 for the sample type specified in ODCM-07.01 Table 1 and is NOT the result of plant effluents, the condition ***SHALL*** be reported in the Radiological Environmental Operating Report.

2.2.7 A summary of the Interlaboratory Comparison Program ***SHALL*** be included in the Radiological Environmental Operating Report. If the required Interlaboratory Comparison Program analyses are NOT performed, corrective action ***SHALL*** be reported in the Radiological Environmental Operating Report.

2.2.8 The Radiological Environmental Operating Report ***SHALL NOT*** include the complete analysis data tables. These tables contain the results of each sample analysis and ***SHALL*** be maintained by the licensee.

2.3 Annual Summary of Meteorological Data

The annual summary of meteorological data ***SHALL*** be submitted for the previous calendar year in the form of joint frequency tables of wind speed, wind direction, and atmospheric stability at the request of the Nuclear Regulatory Commission.

2.4 Record Retention

2.4.1 In accordance with T.S.6.6.A, the following records ***SHALL*** be retained for a minimum of five years:

A. Periodic checks, inspections, tests and calibrations of components and systems as related to the specifications and treatment systems defined in the ODCM.

B. Records of wind speed and direction.

C. Records of reviews performed for changes made to the Offsite Dose Calculation Manual.

2.4.2 In accordance with T.S.6.6.B, the following records ***SHALL*** be retained for the life of the plant:

A. Liquid and gaseous radioactive releases to the environs.

B. Off-site environmental surveys

C. Radioactive shipments