

PILGRIM NUCLEAR POWER STATION OFFSITE DOSE CALCULATION MANUAL

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ORC REVIEW REQUIRED

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Changes to this document shall be reviewed by the Operations Review Committee and submitted to the Nuclear Regulatory Commission in the next Semiannual Effluent Release Report. All such changes shall be recorded below.

RECORD OF DOCUMENT CHANGES

REV NO	IDENTIFICATION OF CHANGE	DATE APPROVED	DOCUMENTATION SECTION AND PAGE
0	Original Submittal	6/10/83	All Sections
1	Update of TLD and Air Sample Locations	6/01/87	7.0/7-7 & 7-8
2	Changes in response to NRC questions on PNPS ODCM (TAC #63012). Changes in response to technical review performed by BECo Radiological Section.	7/15/88	All Sections
3	Changes in response to NRC comments on PNPS ODCM Rev. 2 (TAC #69867). Correct typographical error in Table A-3. Incorporate new TLD locations. Change responsible division.	7/12/89	Preliminary pages, 3.3, 4.2, 6.1, 7.0 (7-3 & 7-5), 8.1, A-3
4	Update signature page to reflect new responsible organization. Update record of document changes. Renumber pages iii through vii to include list of effective page revisions. Revise pages containing equations and definitions to include machine-generated scientific characters. Address gardens identified during 1990 garden census in Table 7-5 in accordance with Technical Specification 7.1.B.2. Expand definition of Lower Limit of detection in Appendix B.	9/27/91	Page i through vii, pages 13-15, 17-23, 25-28, 30-32, 49, and A-4 Appendix B
5	Add Steam Jet Air Ejector Monitor to section addressing monitor setpoints	10/30/91	Pages i, ii, iii, v, 34a
6	Update revision Log, renumber pages ii through viii, clarify definition of dilution flow used for liquid effluent discharges, clarify assumptions used in gaseous effluent dose calculations and SJAE monitor setpoints	8/11/94	Pages i through viii, 14, 17, 33, 34a, A-35

RECORD OF DOCUMENT CHANGES (Continued)

REV NO.	IDENTIFICATION OF CHANGE	DATE APPROVED	DOCUMENTATION SECTION AND PAGE
7	Reference NRC Safety Evaluation and 10 CFR 20.302 permit for onsite disposal of slightly contaminated construction soil; repaginate preliminary pages.	11/22/95	Pages i through vi, Appendix C, page C-1

LIST OF EFFECTIVE PAGE REVISIONS

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APPENDIX CNRC SAFETY EVALUATION FOR ONSITE DISPOSAL OF SLIGHTLY
CONTAMINATED CONSTRUCTION SOIL

In May 1993, the NRC approved a permit under 10 CFR 20.302 to allow Boston Edison Company to dispose of construction soil containing small amounts of cobalt-60 and cesium-137. This soil was disposed of via onsite burial at a location on Boston Edison property adjacent to the Pilgrim Station meteorological tower. Dose calculations performed as part of the permit application and within the NRC Safety Evaluation concluded that the maximum dose from the disposal area would be less than 0.1 mrem/year during the year of disposal. Doses during subsequent years through the time of site decommissioning would be less than 0.01 mrem/year. Such exposure levels are considered insignificant relative to radiation dose arising from naturally-occurring sources of radiation and radioactivity, and other exposure pathways arising from operation of Pilgrim Nuclear Power Station.

Complete details regarding the NRC permit for disposal, and the accompanying NRC Safety Evaluation, can be found in NRC Docket No. 50-293, "APPROVAL UNDER 10 CFR 20.302(a) RELOCATION AND PLACEMENT OF CONSTRUCTION SOIL WITH TRACES OF RESIDUAL RADIOACTIVITY ON SITE AT PILGRIM NUCLEAR POWER STATION (TAC NO. M85501)", dated May 4, 1993.