

Edison

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PILGRIM NUCLEAR POWER STATION  
RFD #1 ROCKY HILL ROAD  
PLYMOUTH, MASSACHUSETTS 02360

May 12, 1983

United States Environmental Protection Agency  
Water Management Division - Room 2103  
John F. Kennedy Building  
Boston, Massachusetts 02203

Attention: Permit Compliance Section

Mr. T. C. McMahon, Director  
Massachusetts Water Resources Commission  
Division of Water Resources Commission  
Division of Water Pollution Control  
Leverett Saltonstall Building  
Boston, Massachusetts 02202

Gentlemen:

Enclosed is the Discharge Monitoring Report from Pilgrim Nuclear Power Station, Permit Number 0003557 (Federal), and Number 359 (State).

The period covered by this report is January 1, 1983 to March 31, 1983.

Very truly yours,



C. J. Mathis, Station Manager  
Nuclear Operations Department

CJM/tmt

attachment - Discharge Monitoring Report

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PILGRIM I DISCHARGE PERMIT REPORT

In accordance with the Federal Water Pollution Control Act, as amended (33USC 1251 Et. Seg: the "ACT") and the Massachusetts Clean Waters Act, as amended (M.G.L., C21, as 26-53), concerning effluent limitations, monitoring requirements, and other conditions set forth in the Pilgrim I Discharge Permits (Federal Permit Nuclear MA0003557, and State Permit Number 259), Parts I, II, and III, the following information is submitted:

I. Discharge Points Covered in this Report

<u>Discharge Point</u>	<u>Discharge Identification</u>
001	Condenser and Service Cooling Water
001A	Radwaste System Effluents
001B	Non-Radioactive Makeup System and Demineralizer Effluents
002	Condenser Backwash and Slime Control
003A	Intake Screen Wash

II. Summary and Notes of Discharge Report

- A. The pH for Intake Screen Wash (Discharge Point 003A) and the Condenser Backwash (Discharge Point 002 1) was not measured.
- B. The Total Residual Chlorine for Condenser Backwash, Discharge Point 002 1, was not measured.
- C. The flow point 001 is calculated from system pump capacity and is equal to the total flow for all pumps in the system running at full capacity for a 24-hour period. The flow at point 001A is metered and the volume for each discharge is recorded. The flow at point 001B is measured by noting sump levels before and after discharge. Flow at point 002 is a conservative figure obtained by calculating flow if backwashing took place for 24 hours.
- D. The temperature at points 001 and 002 are measured by resistance temperature directors (RTD's).