



BOSTON EDISON

Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

Roy A. Anderson
Senior Vice President - Nuclear

July 27, 1992
BECO 92- 093

Mr. T. E. Landry
U. S. Environmental Protection Agency
Waste Water Compliance Section
JFK Federal Building, Room 2113 WMM
Boston, MA 02203

Dear Mr. Landry:

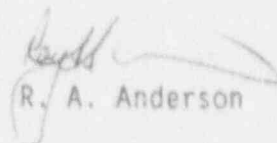
The Boston Edison Company is requesting two changes to the Pilgrim Nuclear Power Station (PNPS), National Pollutant Discharge Elimination System (NPDES) Permit #MA0003557. The requested changes are detailed in the attached excerpt from the NPDES Permit and are as follows:

- 1) Part I, Paragraph A.1.m (page 5 of 15)
Change "in 20,000 gallon batches" to "in no more than 20,000 gallon batches".
- 2) Part I, Paragrap. A.1.n (page 5 of 15)
Change "sodium nitrite, shall not exceed 2.0 mg/l" to "sodium nitrite, calculated from nitrite analysis, shall not exceed 2.0 mg/l."

Please confirm whether approval of this request will require modification of the existing NPDES Permit. We would appreciate a response to this request by August 15, 1992.

If additional information is required, please contact Mr. R. D. Anderson at 617-849-8935.

Very truly yours,


R. A. Anderson

RDA/cab/NPDESYS

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BOSTON EDISON COMPANY

Mr. T. E. Landry

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cc: U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Ms. Cynthia Kane
Massachusetts Division of Water Pollution Control
Permit Section - 7th Floor
One Winter Street
Boston, MA 02198

(3) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

l. The discharge of radioactive materials shall be in accordance with the Nuclear Regulatory Commission operational requirements (10 CFR 20 and NRC Technical Specifications set forth in facility operating license, DPR-35).

no more than

m. Sodium pentaborate shall be discharged in 20,000 gallon batches at a maximum concentration of 16,500 mg/l calculated as boron. The boron concentration shall not exceed 1.0 mg/l (by calculation) above background in Discharge 001 at the point of release into Cape Cod Bay. The maximum concentration of boron in the storage tanks and/or dilution provided by the circulating water pumps' flow shall be controlled, if necessary to satisfy the 1.0 mg/l boron discharge criteria. (Nominally the maximum flow rate from the storage tanks into Discharge 001 will not exceed 200 gpm to satisfy the 1.0 mg/l boron criteria.) A circulating cooling water pump must be in operation during a sodium pentaborate release to ensure proper sodium pentaborate dilution. Each release of boron will be reported in the appropriate DMR providing the date (s) of discharge, gallons discharged, the concentration of the boron in the tank before release, and the calculated boron concentration in Discharge 001 before mixing with Cape Cod Bay water.

n. Sodium nitrite shall be discharged from the station closed loop cooling water systems and heating system into Discharge 011 and from fire water storage tanks, condensate storage tanks, and demineralized water storage tanks into Discharge 001. The discharge of sodium nitrite shall not exceed 2.0 mg/l (by calculation) in Discharge 001 before release into Cape Cod Bay water. Each release shall be reported in the appropriate DMR providing the gallons discharged, the concentration of the sodium nitrite in the water discharged, and the calculated sodium nitrite in Discharge 001 before mixing with Cape Cod Bay Water.

CALCULATED FROM
NITRITE ANALYSIS,

o. Sand may be removed from the concrete surfaces of the intake structure when the sand buildup interferes with the normal operation of the rotating screen equipment posing a threat to the mechanical components. The sand may be disposed of on the land. Each such sand removal shall be reported in the appropriate DMR.