

SAXTON NUCLEAR EXPERIMENTAL CORPORATION

GENERAL PUBLIC UTILITIES SYSTEM

JERSEY CENTRAL POWER & LIGHT COMPANY
PENNSYLVANIA ELECTRIC COMPANY
METROPOLITAN EDISON COMPANY

MAILING ADDRESS:

100 INTERPACE PARKWAY
PARSIPPANY, N.J. 07054

Docket 50-146 - License DPR 4

TELEPHONE:

201-263-6500

File: SNEC-110
February 10, 1983

Director
Office of Inspection & Enforcement
United States Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania

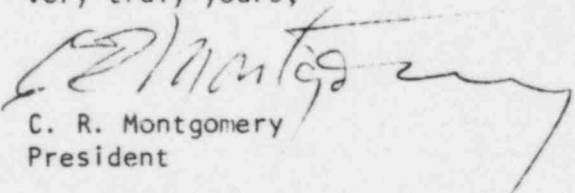
Gentlemen:

An inspection of the Containment Vessel was conducted on January 18, 1983. As a result of this inspection, approximately 4.5cm of water was found in the Containment Vessel sump, below Elevation 765'-8". The water was sampled, and subsequent isotopic analysis of the water confirmed that the concentration of Cs-134, Cs-137, and Sr-90 exceed the limits of Table II, 10CFR20, for unrestricted release (See Attachment 1) and is reportable.

The water in the sump is the result of condensation on the inside walls of the Containment Vessel above Elevation 812'. Condensation is a consequence of the breather pipe which was installed during decommissioning to allow the vessel to breathe with changes in atmospheric temperature. This water drains to the sump from the operating floor level (Elevation 812') via the installed drain system and becomes contaminated by residual radioisotopes contained within the sump. Observations in the Containment Vessel do not indicate any release path to the environment. The floor of the Containment Vessel at Elevation 765'-8" is dry.

On March 19, 1982, you were informed that the drain pipe carrying water to the sump was cut and capped, above the operating floor level, with the expectation this fix would stop the flow of water to the sump. However, this fix has not been entirely successful in preventing the flow of water to the sump. We will continue to monitor water level in the sump and are currently evaluating other means of preventing the flow of water to the sump.

Very truly yours,


C. R. Montgomery
President

Is
Attachment

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ATTACHMENT 1

CONTAINMENT VESSEL SUMP WATER ANALYSIS

<u>Date of Analysis</u>	<u>Isotope</u>	<u>Concentration uCi/ml</u>	<u>10CFR20 Appendix B Table II, uCi/ml</u>
1/25/83	Cs-134	1.5E-5	9.0E-6
	Cs-137	9.9E-4	2.0E-5
	Sr-90	2.4E-5	3.0E-7