

# SAXTON NUCLEAR EXPERIMENTAL CORPORATION

GENERAL PUBLIC UTILITIES SYSTEM

JERSEY CENTRAL POWER & LIGHT COMPANY

PENNSYLVANIA ELECTRIC COMPANY

METROPOLITAN EDISON COMPANY

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File: SNEC-103

April 27, 1982

Docket: 50-146

License: DPR-4

Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 19506



Gentlemen:

The quarterly facility inspection was conducted on March 19, 1982. As a result of this inspection, approximately 3.5 inches of water was found in the Containment Vessel sump (Elev. 765'-8"). Subsequent isotopic analysis of the sump water confirmed that the concentrations of Cs-134, Cs-137 and Sr-90 exceed the limits of Table II, 10 CFR 20 for unrestricted releases (See Attachment 1). In accordance with Paragraph 5.a. of the Technical Specifications, a telephone notification was made to the Office of Inspection and Enforcement on March 30, 1982. This letter provides the follow-up report to that telephone notification.

The water in the sump is the result of condensation on the inside walls of the Containment Vessel above Elev. 812'. Condensation is a consequence of the breather pipe, which was installed during decommissioning to permit the vessel to breathe with changes in atmospheric temperature. The water drains to the sump from the operating floor level (Elev. 812') via the installed drain system. The water is contaminated from soluble radionuclides which were in the sump. Although the concentrations exceed 10 CFR 20 limits for unrestricted release, the water is contained in the sump, and observations in the Containment Vessel do not indicate any release path to the environment. The floor of the Containment Vessel at Elev. 765'-8" is dry.

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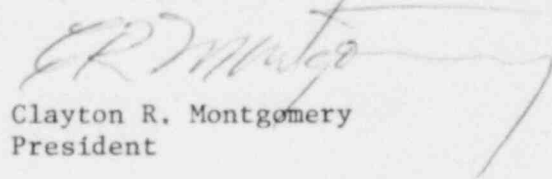
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On March 19, 1982, the drain pipe carrying water to the sump was cut and capped with a pipe cap at the operating floor level. We consider this fix will stop the flow of water to the sump. The water in the sump will be removed, and packaged with vermiculite in 55 gallon drums and stored on-site in the Control and Auxiliary Building.

If you have any questions concerning this report, please call me at (201) 299-2238.

Very truly yours,



Clayton R. Montgomery  
President

CRM:mgt  
Attachment

ATTACHMENT 1

CONTAINMENT VESSEL SUMP WATER ANALYSIS

<u>Date of Analysis</u>	<u>ISOTOPE</u>	<u>CONCENTRATION</u>	<u>10 CFR 20 Appendix B, Table II</u>
3/29/82	Cs-134	1.3E-3 $\mu$ Ci/ml	9.0E-6 $\mu$ Ci/ml
	Cs-137	2.5E-5 $\mu$ Ci/ml	2.0E-5 $\mu$ Ci/ml
	Sr-90	(S) 5.9E-6 $\mu$ Ci/ml	3.0E-7 $\mu$ Ci/ml
		(U) 1.9E-6 $\mu$ Ci/ml	4.0E-5 $\mu$ Ci/ml

S = Soluble  
U = Insoluble