

SAXTON NUCLEAR EXPERIMENTAL CORPORATION
GENERAL PUBLIC UTILITIES SYSTEM

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February 20, 1991

C301-91-0002

SNEC-91-0006

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Dear Sir:

Saxton Nuclear Facility
Operating License No. DPR-4
Docket No. 50-146
Fourth Quarter 1990 Containment Vessel Sump Results

On October 13, 1990, the fourth quarterly inspection of the year was conducted at the Saxton Nuclear Experimental Corporation (SNEC) facility. During this inspection, water was found present in the Containment Vessel (CV) sump and a sample was taken for radioisotopic analysis.

The results of the analysis were received on February 14, 1991 and indicated that the activity concentration of Sr-90 and Cs-137 exceeded the "Limits for Unrestricted Release" identified in 10 CFR 20, Appendix B, Table II, Column 2, and is reportable under Section 5.a.3 of the SNEC Technical Specification (TS).

Per the TS, the results of the analysis for the above isotopes were verbally reported to Mr. R. Bores (NRC Region I) on February 14, 1991.

The attached Exhibit 1 identifies the reportable results of the SNEC CV sump water analysis for the fourth quarter of 1990.

It should be noted that the CV sump volume is 325 gallons and was filled with approximately 125 gallons of water.

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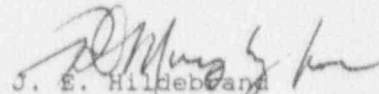
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The water in the sump originates from condensation on the inside of the CV, and is a consequence of a breather pipe, installed during the initial decommissioning, which permits the CV to breathe with changes in atmospheric temperatures. This water poses no threat to the environment or to the health and safety of the public because there are no release paths to the external environment from the CV sump. When appropriate, the water will be properly disposed of, as it has been in the past.

We will continue to periodically monitor, remove and take the appropriate steps to secure and dispose of this water.

This letter comprises the required written report per the SNEC TS Section 5.a.

Sincerely,


J. E. Hildebrand
President

JEH/EP/plp
Attachment

c: A. Adams (NRC)
R. Bores (NRC)
T. Dragoun (NRC)
J. Roth (NRC)
S. Weiss (NRC)

EXHIBIT 1

RESULTS OF SNEC CV SUMP WATER

FOURTH QUARTER, 1990

<u>Isotope</u>	<u>Concentration (uCi/ml)</u>	10 CFR 20, App. B* Table II, Col. 2 Limits (uCi ml)
Cs-137	2.24 ± 0.22 E-3	2 E-5 (s)
Sr-90	7.10 ± 0.1 E-6	3 E-7 (s)

*Values listed are the more restrictive between soluble (s) and insoluble (I).