

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

July 10, 1987

07 JUL 15 10:29

United States Nuclear Regulatory Commission
Attention: Mr. J. B. Kahle
Suite 2900
101 Marietta Street, NW
Atlanta, GA 30323

Serial No. 87-266A
NO/RMK:jmj
Docket Nos. 50-280
50-281
50-338
50-339
License Nos. DPR-32
DPR-37
NPF-4
NPF-7

Gentlemen:

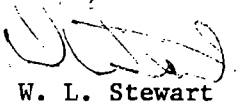
VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
NORTH ANNA POWER STATION UNITS 1 AND 2
NRC CONFIRMATORY MEASUREMENTS PROGRAM
RESULTS OF SPIKED SAMPLES ANALYSES

As specified in your letter of May 4, 1987, liquid samples spiked with radionuclides were received at our Surry Power Station on May 12, 1987, and at our North Anna Power Station on May 18, 1987. All analyses were completed by June 30, 1987, that is, within 60 days of receipt of the samples.

The liquid samples have been analyzed for tritium (H-3), iron-55 (Fe-55), strontium-89 (Sr-89), and strontium-90 (Sr-90) in accordance with your instructions. The tritium analyses were performed at the station with a liquid scintillation counter, and the Fe-55, Sr-89, and Sr-90 analyses were performed by our vendor, Teledyne Isotopes, Inc., as called for by station procedures. The results of our analyses are provided in the attachment.

If you have any questions regarding these results, please contact us.

Very truly yours,


W. L. Stewart

Attachment

cc: Mr. W. E. Holland
NRC Senior Resident Inspector
Surry Power Station

Mr. J. L. Caldwell
NRC Senior Resident Inspector
North Anna Power Station

8707220533 870710
PDR ADOCK 05000280
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ATTACHMENT

NRC CONFIRMATORY MEASUREMENTS PROGRAM
SPIKED LIQUID SAMPLE
ANALYSIS RESULTS

SURRY POWER STATION

<u>Sample</u>	<u>Isotope</u>	<u>Activity</u> <u>(μCi/ml)</u>	<u>Uncertainty</u> <u>(μCi/ml)</u>
Liquid	H-3	2.2 E-5	\pm 0.4 E-5
	Fe-55	1.6 E-5	\pm 0.2 E-5
	Sr-89	3.1 E-5	\pm 0.1 E-5
	Sr-90	3.1 E-6	\pm 0.1 E-6

NORTH ANNA POWER STATION

<u>Sample</u>	<u>Isotope</u>	<u>Activity</u> <u>(μCi/ml)</u>	<u>Uncertainty</u> <u>(μCi/ml)</u>
Liquid	H-3	2.0 E-5	\pm 0.3 E-5
	Fe-55	1.4 E-5	\pm 0.1 E-5
	Sr-89	2.9 E-5	\pm 0.1 E-5
	Sr-90	2.7 E-6	\pm 0.1 E-6