

April 7, 1993

Mr. Kemper Loyd
Water Regional Office
Department of Environmental Quality
116 North Main Street
Bridgewater, VA 22812



VIRGINIA POWER

RE: NORTH ANNA POWER STATION - VPDES PERMIT NO. VA0052451
CONDENSATE DISCHARGE

Dear Mr. Loyd:

As Mr. Daniel James of my staff discussed with you by telephone on April 5, 1993, the North Anna Power Station had a discharge of condensate to the circulating water tunnel from the Unit 1 condenser hotwell via a pipe not identified as an outfall in the current permit. This event occurred Sunday, April 4, 1993, at about 0600 hours.

The discharge consisted of an estimated 30,000 gallons of high purity condensate water, at a pH of 7.5, containing hydrazine at 8 ppb. No other contaminants were involved and no violations of any permit limitations occurred.

The condenser hotwell drain was erroneously valved through another pipe to the circulating water tunnel in the same vicinity as the Outfall 003 pipe. Had this release been correctly routed to the 003 outfall, it would have entered the circulating water flow within 20-25 feet of the same location. The circulating water tunnel discharges through the discharge canal to the waste heat treatment facility. No changes in the station's discharge to state water was caused by this event.

The pipe involved in this event was not intended to be used for any other discharges until it has been included in the station's VPDES permit. The valving for this discharge route remains "tagged out" to preclude its use unless specifically authorized.

As noted above, this was an internal discharge which consisted of high purity water with a minute amount of hydrazine and no process wastes were involved. The hydrazine present in the water discharged would not be expected to persist through the discharge canal and the waste heat treatment facility, and would have no impact on water quality in the canal, the waste heat treatment facility, or at the station's discharge to state waters.

Should you need additional information or have any questions about this matter, please contact Daniel James at 273-2996.

Sincerely,

B. M. Marshall, P.E.
Manager
Water Quality

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cc: U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW
Suite 2900
Atlanta, GA 30323
Re: North Anna Units 1 & 2
Docket Nos. 50-338/50-339
License Nos. NPF-4/NPF-7

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555
Re: North Anna Unit 1 & 2
Docket Nos. 50-338/50-339
License Nos. NPF-4/NPF-7

Mr. M. S. Lesser
NRC Senior Resident Inspector
North Anna Power Station