

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

November 28, 1977



Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region II - Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

Serial No. 531
PO&M/TAP:dgt
Docket No. 50-281

License No. DPR-37

Dear Mr. O'Reilly:

Pursuant to Surry Power Station Technical Specification 6.6.2, and reportable per T.S. 6.6.2b(2), the Virginia Electric and Power Company hereby submits LER No. 77-013-03-L-0.

The substance of this report has been reviewed by the Station Nuclear Safety and Operating Committee and will be placed on the agenda for the next meeting of the System Nuclear Safety and Operating Committee.

Very truly yours,

C. M. Stallings
Vice President-Power Supply
and Production Operations

Enclosures

40 copies LER-S2-77-13

cc: Mr. Robert W. Reid, Chief ✓
Operating Reactors Branch 4

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LER 77-013/03-L-0

Virginia Electric and Power Company
Surry Power Station, Unit 2
Docket No. 050-0281
Event Date: 10-31-77

During normal operation routine sampling disclosed that the Boron Injection Tank and "C" Boric Acid Storage Tank concentrations were low: BIT 11.2% and "C" BAST 11.2%. This was contrary to Technical Specification 3.2.C.3 and 3.3.A.3. Unit rampdown was commended immediately and BIT recirculation shifted to "B" BAST. Recirculation returned the BIT to 12.1% and the unit was returned to full power. Subsequently, "C" BAST concentration was enriched to 12.0%. This is reportable per Technical Specification 6.6.2.b(2).

Dilution was apparently caused by low level leakage through the Boron Injection Tank Isolation Valves (MOV-2867C, D). Increased surveillance has been instituted until valve maintenance is completed. (Darling Gate Valves, 3 inch, No. 5350 W-1DD ASA, Series 1500)

The health and safety of the general public was not affected.

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