VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

R. H. LEASBURG
VICE PRESIDENT
NUCLEAR OPERATIONS

August 17, 1982

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Attn: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 451
NO/GSS:acm
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Gentlemen:

AMENDMENT TO OPERATING LICENSES DPR-32 AND DPR-37
SURRY POWER STATION UNITS NO. 1 AND NO. 2
PROPOSED TECHNICAL SPECIFICATION CHANGE

Pursuant to 10 CFR 50.90, the Virginia Electric and Power Company requests an amendment, in the form of changes to the Technical Specification, to Operating License DPR-32 and DPR-37 for the Surry Power Station, Units No. 1 and No. 2. The proposed changes are enclosed.

This request is to revise the Surry Technical Specification Tables 3.7-2, 3.7-4, 4.1-1 and Section 4.6 to reflect the degraded voltage protection system modification.

The Nuclear Regulatory Commission in a letter to Vepco dated July 11, 1979, requested information regarding the Surry AC Emergency Bus Protection System. An evaluation revealed that a degraded bus voltage protection system should be installed at Surry to provide undervoltage protection between 75 and 90 percent of nominal voltage.

The degraded voltage protection system modification is such that a sustained undervoltage condition on the emergency buses will transfer power from the preferred offsite source experiencing the undervoltage condition to the on-site source. The load shed prevention feature ensures no load will be shed from the emergency buses once they are fed from the on-site source. The diesel generator breaker closing permissive eliminates the possibility of the diesel generator energizing the emergency bus loads at a voltage below 95% of rated voltage.

The proposed Technical Specification changes require the operability of 2 of 3 undervoltage/degraded voltage sensing channels per emergency bus, with a degree of redundancy of 1/bus. The Specification establishes the setpoints for degraded voltage and loss of power, as well as requiring periodic functional testing and calibration. Also, the enclosed Specifications include the testing requirement to demonstrate the operability of the automatic bypassing and automatic reinstatement of the undervoltage relays when the diesel generators are supplying the class 1E buses. These new specifications will ensure operability of the degraded voltage protection system modification.



A015 w/check $4,400

This request has been reviewed and approved by the Station Nuclear Safety and Operating Committee and by the Safety Evaluation and Control staff. It has been determined that this request does not involve an unreviewed safety question.

We have evaluated this request in accordance with the criteria in 10 CFR 170.22. It has been determined that a Class III and a Class I license amendment fee is required for Unit 1 and Unit 2, respectively. Accordingly, a voucher check for the amount of $4,400 is enclosed in payment of the required fees.

Very truly yours,

R. H. Leasburg

Attachments:
1. Proposed Technical Specification Change
2. Voucher Check No. 72832 for $4,400

cc: Mr. James P. O'Reilly
Regional Administrator
Region II

COMMONWEALTH OF VIRGINIA )
)
CITY OF RICHMOND )

The foregoing document was acknowledged before me, in and for the City and Commonwealth aforesaid, today by R. H. Leasburg, who is Vice President-Nuclear Operations, of the Virginia Electric and Power Company. He is duly authorized to execute and file the foregoing document in behalf of that Company, and the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 17th day of August, 19 82.

My Commission expires: 2-26, 19 85.

Ann C. McRee
Notary Public

(SEAL)

88-589
514

**Vepco**

BANK OF VIRGINIA

# VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA

VOID IF NOT CASHED IN 90 DAYS

03301 25 0072832 00000440000

PAY FOUR THOUSAND FOUR HUNDRED AND 00/100 DOLLARS

TO THE ORDER OF
UNITED STATES NUCLEAR
REGULATORY COMMISSION
NUCLEAR REG C DC 20555

| BK. | CHECK NO. | DATE | VENDOR NO. | AMOUNT |
|---|---|---|---|---|
| 25 | 72832 | 08/02/82 | 3301 | $4,400.00 |

VOID

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