

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

February 3, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Attn: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

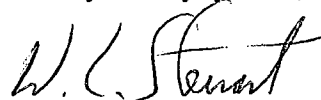
Serial No. 757
NO/JHL:jab
Docket Nos. 50-280
50-281
50-338
50-339
License Nos. DPR-32
DPR-37
NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNIT NOS. 1 AND 2
NORTH ANNA POWER STATION UNIT NOS. 1 AND 2
POST ACCIDENT SAMPLING SYSTEM

Your letter dated December 16, 1983, provided a supplemented Safety Evaluation Report (SER) for the Post Accident Sampling System for Surry and North Anna Power Stations. Two open items have been identified in the SER; 1) a final procedure for core damage assessment, and 2) information on the frequency of calibration and testing of the Post Accident Sampling System. Vepco's core damage assessment procedure based on iodine activities was found acceptable for the interim. A final procedure will be developed based on the Westinghouse Owners Group Generic Methodology. Enclosed is the information on the frequency of calibration, testing, and training of operators for the Post Accident Sampling System for Surry and North Anna Power Stations.

Very truly yours,


W. L. Stewart

Enclosure

cc list: (attached)

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VIRGINIA ELECTRIC AND POWER COMPANY TO Mr. Harold R. Denton

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

Mr. S. A. Varga, Chief
Operating Reactor Branch No. 1
Division of Licensing

Mr. James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing

Mr. D. J. Burke
NRC Resident Inspector
Surry Power Station

Mr. M. W. Branch
NRC Resident Inspector
North Anna Power Station

VIRGINIA ELECTRIC AND POWER COMPANY
NUREG 0737, ITEM II.B.3
RESPONSE TO CRITERIA 10

North Anna Units 1 and 2

I. FREQUENCY OF CALIBRATION AND TESTING

As required by the Station Administrative Procedure 9.7, the Post Accident Sampling System (PASS) is subjected to a monthly testing frequency. Since this is a shared system, the periodic testing is performed every two weeks on a staggered unit basis such that a complete test cycle of the system is completed every two weeks and each unit's sample lines are tested at least monthly. Each testing cycle demonstrates the required capabilities of the system for liquid and gaseous samples. The tests are governed by approved Periodic Testing and Operating Procedures with specific acceptance criteria for each parameter.

The calibration of the PASS chemical analysis equipment has demonstrated the need for an accelerated calibration frequency and is handled accordingly. For example, the Boron Analyzer is typically calibrated daily. As calibration experience is developed, appropriate modifications to this calibration program will be made. A program to calibrate the remaining PASS instrumentation on a 6 month frequency is being developed.

In addition to the scheduled calibration, the results of each analysis by the PASS is compared to the manual samples which are obtained to verify compliance with the appropriate unit Technical Specifications. As before, this comparative calibration is performed every two weeks on a staggered unit basis.

In each event of testing or calibration, the failure of the system to function properly or to meet the acceptance criteria is reported to station management by the submittal of a Station Deviation Report in accordance with perscribed procedures.

II. TRAINING

A training program has been established for the operators of the PASS system. Presently, there are 8 chemistry technicians trained on the system by a combination of vendor (Sentry) training and documented on-the-job training.

The retraining cycle is specified as being on an annual basis concurrent with the Emergency Plan training cycle. However, the additional hands-on training by each operator by virtue of an actual operation of the system through a complete testing cycle makes the training and retraining program much more frequent and meaningful.

Surry Units 1 and 2

I. FREQUENCY OF CALIBRATING AND TESTING

The PASS instruments are being incorporated into the station's calibration and periodic testing programs. The instruments will be calibrated on a six month interval and Test Equipment Histories will be maintained. As operation experience and calibration data are developed the calibration program will be altered to meet the actual conditions. The periodic testing program will consist of operating the system in the post-accident mode on a weekly basis (bi-weekly for containment air). Periodic testing results will be compared with laboratory results to confirm proper system operation and correct any calibration or equipment problems that may arise in a timely manner.

II. TRAINING

A two week detailed training course for operations, chemistry, instrument, and training personnel was completed by the vendor (Sentry) on January 27, 1984. A total of 28 personnel attended this training course. The responsibility for the training and retraining programs has been assigned to the Training Department which is developing the appropriate long term programs. It should be noted that the hands-on experience resulting from the periodic testing program will in itself be providing on-going training.