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R. E. DENTON  
GENERAL MANAGER  
CALVERT CLIFFS

December 3, 1990

U. S. Nuclear Regulatory Commission  
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant  
Unit No. 1; Docket No. 50-317  
Wide Range Noble Gas Effluent Monitor Special Report

Gentlemen:

Per the requirements of Technical Specification 3.3.3.1, Table 3.3-6, Item 2.6.i, we hereby submit the following Special Report concerning an inoperable Wide Range Noble Gas Effluent Radiation Monitor on the Main Vent Stack.

Should you have any further questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

RED/CDS/bjd

Attachment

cc: D. A. Brune, Esquire  
J. E. Silberg, Esquire  
R. A. Capra, NRC  
D. G. McDonald, Jr., NRC  
T. T. Martin, NRC  
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## ATTACHMENT (1)

### WIDE RANGE NOBLE GAS RADIATION MONITOR (1-RIC-5415) SPECIAL REPORT

#### BACKGROUND

The Unit One Wide Range Noble Gas Radiation Monitor (1-RIC-5415) was removed from service on October 25, 1990 at approximately 0635 to perform a scheduled Channel Calibration, Surveillance Test Procedure (STP). During the performance of the STP, the process flow transmitter for the main vent stack (1-PDT-5414) was found out of tolerance.

This required 1-PDT-5415 to be calibrated. The range of this transmitter is 0-2.2 inches H<sub>2</sub>O. The transmitter is located outside on the main vent stack at the 188-foot elevation, which has an impact on when the transmitter can be calibrated since it must be calibrated in place. When the transmitter is calibrated, the low pressure side is open to atmosphere. Any wind gust will have an effect on the calibration of the transmitter due to the low range of the transmitter. As a result of the required conditions to calibrate the transmitter, 3 days of testing time were lost due to weather conditions. Calibration was completed on October 31, 1990. Operations completed the functional test of the Wide Range Noble Gas Monitor and the channel was returned to service on November 1, 1990 at approximately 1440.

#### EFFECT ON OPERATION

When 1-RIC-5415 was removed from service, Unit One Technical Specification 3.3.3.1 ACTION Statement (30) was entered. In accordance with the ACTION Statement and the radioactive gas release procedure (CP-213), the main vent radiation monitor (1-RI-5415) was used as the alternate preplanned method to monitor the main vent stack for effluents in the discharge flow stream. Thus, the inoperability of 1-RIC-5415 had no affect on the operation of the Unit.

#### PLANS AND SCHEDULES

The Wide Range Noble Gas Radiation Monitor (1-RIC-5415) was returned to service on November 1, 1990, a total of seven and one-half days after it was removed from service.