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# BALTIMORE GAS AND ELECTRIC COMPANY

GAS AND ELECTRIC BUILDING  
BALTIMORE, MARYLAND 21203

ARTHUR E. LUNDVALL, JR.  
VICE PRESIDENT  
SUPPLY

July 16, 1979

Mr. Boyce H. Grier, Director  
Office of Inspection and Enforcement - Region I  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Subject: Calvert Cliffs Nuclear Power Plant  
Units Nos. 1 & 2, Dockets Nos. 50-317 & 50-318  
IE Bulletin 79-13

Reference: NRC letter dated 6/25/79 from L. H. Grier to  
A. E. Lundvall, Jr.

Dear Mr. Grier:

The referenced letter forwarded IE Bulletin 79-13, which requested that we provide (1) a schedule for conducting an inspection of the feedwater nozzles and piping for the Calvert Cliffs steam generators; (2) an assessment of the adequacy of our feedwater line break procedures; and (3) a description of the method and sensitivity of detecting feedwater leaks.

During the just-concluded refueling outage for Unit No. 1, we conducted radiographic inspections of the main feedwater nozzle-to-pipe, pipe-to-elbow, and elbow-to-pipe welds of both steam generators. No cracks were found to be present in any of those welds. During the course of the inspection, two possible indications were found which, upon further inspection were found to be (1) a 2"-3" lack of fusion and (2) a 2"-3" machining groove. Both were removed by grinding (.040" for the former and .010" for the latter). No refilling was required. We will submit a formal report on this inspection as required by paragraph 6 of the Bulletin.

We have reviewed the appropriate plant emergency procedure which would be used for a feedwater line break in the piping adjacent to the steam generators. This procedure is entitled Steam Line Rupture, EOP-4. We have found the procedure to be adequate for this type of emergency.

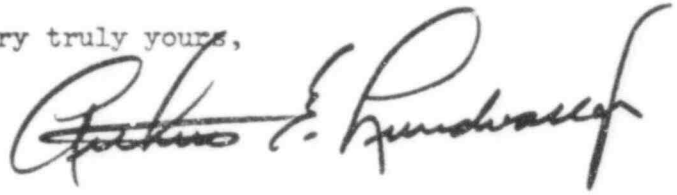
Leakage from the feedwater system would be detected inside containment sump level and increased draining frequency. This method and sensitivity and other possible leak detection methods such as containment temperature, pressure and humidity changes are discussed in our response to Question 4.44 of the Supplement to the Calvert Cliffs Final Safety Analysis Report.

The Bulletin specifies that the radiographic inspection of the feedwater nozzle-area piping welds be complete within 90 days and that a volumetric exam of all of the feedwater piping inside containment be conducted at the subsequent refueling outage or other outage of sufficient duration.

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Our plans are to conduct the required volumetric examination of the main feedwater piping on Unit No. 1 at the next refueling outage (Spring 1980). Inasmuch as Unit No. 2 is scheduled for a refueling outage beginning on or about October 14, 1979, we request that the specified date for the required radiographic inspection of the main feedwater nozzle welds be extended from September 25, 1979 into the scheduled refueling outage. At that time we would conduct both the radiographic inspection of the nozzle welds and the volumetric inspection of the main feedwater piping welds inside containment. In support of this request for an extension we point out that an ultrasonic inspection was conducted on the main feedwater nozzle-to-pipe welds on both Unit No. 2 steam generators in October 1973, and no indications were found. We would appreciate your informing us if this proposed schedule is unacceptable.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Arthur E. Rundwaal". The signature is fluid and cursive, with a large, stylized initial "A".

cc: J. A. Biddison, Esquire  
G. F. Trowbridge, Esquire  
Mr. E. L. Conner, Jr. - NRC  
Mr. J. W. Brothers - Bechtel  
Mr. P. W. Kruse - CE

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