

Certified By map

BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

NUCLEAR POWER DEPARTMENT
CALVERT CLIFFS NUCLEAR POWER PLANT
LUSBY, MARYLAND 20657

May 17, 1982

Mr. Ronald C. Haynes, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA. 19406

Docket No. 50-317
License No. DPR-53

SUBJECT: LER 82-23, Unit 1

Dear Mr. Haynes:

This letter is to confirm our verbal notification of your Mr. Ralph Architzel of an unplanned dilution of the Reactor Coolant System in excess of 0.5% $\Delta K/K$ while in Mode 6 with the Refueling Pool filled (T.S. 6.9.1.8)

During the period from about 0410 on 5-12-82 to 0015 on 5-14-82, RCS boron concentration was observed to first decrease from about 2443 ppm to 2380 ppm, a positive reactivity insertion of approximately 1% $\Delta K/K$. The source of the RCS inleakage is suspected to be No. 11 Steam Generator since the Steam Generator was recently refilled following a tube support rim cut, and Steam Generator level had been decreasing while Refueling Pool level was increasing. At 0045 on 5-14-82, Number 11 Steam Generator level was reduced to approximately Refueling Pool level, thereby stopping the RCS inleakage. At 0730 on 5-14-82, RCS boron concentration had increased to 2446 ppm due to the mixing of the water in the Reactor Coolant System and the Refueling Pool, via the open reactor vessel flange. As previously planned, eddy-current testing will be performed on the Steam Generator tubes in the vicinity of the rim cut prior to returning the unit to power operation.

A complete description of this event, including causes and corrective action will be addressed in a follow-up report.

Very truly yours,

L. B. Russell
L. B. Russell
Plant Superintendent

LBR:fld

cc: J. A. Tiernan
Director, Office of Management
Information & Program Control
R. L. Wenderlich

R. M. Douglass
R. E. Architzel
L. B. Russell

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