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ARTHUR E. LUNDVALL, JR.
VICE PRESIDENT
SUPPLY

May 28, 1985

U.S. Nuclear Regulatory Commission
Office of Inspection & Enforcement
Washington, DC 20555

ATTENTION: Mr. James M. Taylor, Director

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit 1; Docket No. 50-317
Report of Steam Generator Tube Plugging

REFERENCE: (a) Technical Specifications, Calvert Cliffs Unit 1

ATTACHMENT: (1) Tubes Plugged #11/#12 Steam Generator

Gentlemen:

As required by Technical Specification 4.4.5.5, this letter reports the number of tubes plugged in the Calvert Cliffs Unit 1 Steam Generators during the recent May 1985 Inservice Inspection. Thirteen tubes were found to have service induced degradation which exceeded the Technical Specification plugging limit of 40% loss of nominal wall thickness, eight in #11 Steam Generator and five in #12 Steam Generator.

The number of tubes examined by Eddy Current Testing (ECT) exceeded the number required by the Calvert Cliffs Unit 1 Technical Specifications. Indications of 20% thru wall degradation or greater were found on a total of 124 tubes from the approximately 11,070 tubes examined (5,190 - #11 Steam Generator and 5,880 - #12 Steam Generator). As stated above, 13 of these indications exceeded the plugging limit of 40% loss of nominal wall and required the tube be plugged. Additionally, six tubes which showed eddy current indications of less than 40% nominal wall loss due to degradation were also plugged. The indications were all of a small volume and small area nature.

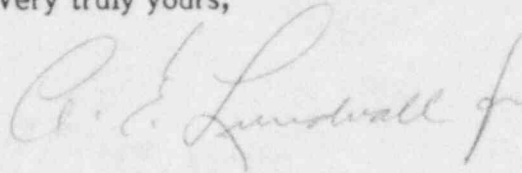
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Attachments (1) & (2) list the tubes plugged during the 1985 Unit 1 Refueling Outage along with the reason for plugging the tube. Should you have further questions regarding this matter, please do not hesitate to contact us.

Very truly yours,

A handwritten signature in cursive script, appearing to read "C. E. Lindvall", followed by a small flourish.

AEL/KMH/gla

Attachment

cc: J. A. Biddison, Esquire
G. F. Trowbridge, Esquire
D. H. Jaffe, NRC
T. Foley, NRC

ATTACHMENT (I)

#11 Steam Generator Tubes Plugged During the Unit 1 1985 Outage

<u>LINE</u>	<u>ROW</u>	<u>REASON FOR PLUGGING</u>
80	138	Eddy Current Testing indication of 39% wall loss originating on the outside diameter of the tube 19.7" above the tubesheet on the cold leg side.
81	139	Eddy Current Testing indication of 63% wall loss originating on the outside diameter of the tube 18.5" above the tubesheet on the cold leg side.
82	140	Eddy Current Testing indication of 45% wall loss originating on the outside diameter of the tube 0.4" above the tubesheet on the cold leg side.
87	75	Eddy Current Testing indication of 38% wall loss originating on the outside diameter of the tube 0.6" above the tubesheet at the hot leg side.
89	75	Eddy Current Testing indication of 52% wall loss originating on the outside diameter of the tube 0.8" above the tubesheet on the hot leg side.
91	69	Eddy Current Testing indication of 38% wall loss originating on the outside diameter of the tube 0.5" above the tubesheet on the hot leg side.
91	75	Eddy Current Testing indication of 47% wall loss originating on the outside diameter of the tube 0.8" above the tubesheet on the hot leg side.
91	73	Eddy Current Testing indication of 89% wall loss originating on the outside diameter of the tube 0.5" above the tubesheet on the hot leg side.
91	139	Eddy Current Testing indication of 78% wall loss originating on the outside diameter of the tube 20.7" above the tube-end on the hot leg side.
92	72	Eddy Current Testing indication of 63% wall loss originating on the outside diameter of the tube 1.1" above the tubesheet on the hot leg side.
141	9	Eddy Current Testing indication of 38% wall loss originating on the outside diameter of the tube at the U-Bend Apex.
144	62	Eddy Current Testing indication of 50% wall loss originating on the outside diameter of the tube 30.9" above the #3 eggcrate support on the hot leg side.

ATTACHMENT (2)

#12 Steam Generator Tubes Plugged During the Unit 1 1985 Outage

<u>LINE</u>	<u>ROW</u>	<u>REASON FOR PLUGGING</u>
27	9	Eddy Current Testing indication of 59% wall loss originating on the outside diameter of the tube at the U-Bend Apex.
43	3	Eddy Current Testing indication of 38% wall loss originating on the outside diameter of the tube 1.2" above the tubesheet on the hot leg side.
85	75	Eddy Current Testing indication of 44% wall loss originating on the outside diameter of the tube 1.3" above the tubesheet on the hot leg side.
88	140	Eddy Current Testing indication of 57% wall loss originating on the outside diameter of the tube 20.3" above the tubesheet on the hot leg side.
94	76	Eddy Current Testing indication of 38% and 34% wall loss originating on the outside diameter of the tube 0.5" and 1.0" respectively, above the tubesheet on the hot leg side.
96	76	Eddy Current Testing indication of 45% wall loss originating on the outside diameter of the tube 0.4" above the tubesheet on the hot leg side.
147	85	Eddy Current Testing indication of 55% wall loss originating on the outside diameter of the tube 21.7" above the #7 eggcrate support on the hot leg side.