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April 25, 1980

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. NUCLEAR REGULATORY COMMISSION
Washington, D. C. 20555

Attention: Mr. A. Schwencer, Chief
Operating Reactors Branch 1

Gentlemen:

DOCKET NO. 50-301
ADDITIONAL INFORMATION
STEAM GENERATOR INSPECTION
POINT BEACH NUCLEAR PLANT, UNIT 2

This is in response to questions from members of your Staff during telephone conversations on April 23 regarding the March 1980 inservice inspection of the Point Beach Nuclear Plant Unit 2 steam generators. In our Licensee Event Report (LER) 80-003, dated March 12, 1980, and the update of that report dated April 16, 1980, we concluded that, based on all available data, the top of tubesheet indications for twenty-six of the thirty-one tubes identified in the LER had been present but undetectable since 1974. This conclusion was based upon a review of all the single frequency (400 KHZ) eddy current inspection tapes for these tubes dating from 1974. For the remaining five tubes, specifically R7C21, R13C19, R18C68, R12C73 and R11C74, the March 1980 inspection was the first time that these tubes had been inspected. Therefore, no correlation to previous inspections was possible.

The Staff also asked if recent inspection results for tubes identified as having indications above the tubesheet, but which were below plugging limits, showed any significant changes from the Spring 1979 eddy current inspection results. The 1979 inspection results were reported in our Annual Results and Data Report for 1979. We have crosschecked those indications against the results of the March 1980 inspection and have determined that the indication sizes are essentially unchanged indicating a stable condition. Table 1, attached, summarizes this determination.

The Staff also requested that we inform you of the height of the tubesheet sludge pile in 1975 and in 1980. Up until 1977, a 25 KHZ eddy current signal was used to measure

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the height of the sludge pile. In 1976, the last year this technique was used for sludge depth determination, the recorded height of deposits ranged from 0 inches to 10 inches with an average depth of 4 to 5 inches. Beginning in 1977, a water balance method was used to determine the amount of sludge present both before and after sludge lancing. We, therefore, have no direct measurement of the present height of the sludge pile which can be related to the 1976 levels.

As you know, during the present Unit 2 refueling outage, we removed tube R18C37 from the "A" steam generator for metallurgical examination and evaluation. We are anticipating the availability of preliminary results of this examination by May 7. We shall provide these results to you at that time. A report summarizing the examination results is expected to be available within four to six weeks after the preliminary results.

We trust this information is responsive to your recent questions. If you have any additional questions or comments, please contact us.

Very truly yours,

C. W. Fay, Director
Nuclear Power Department

Attachment

Copies to: Mr. C. F. Riederer (PSCW)
Mr. Peter Anderson (WED)
Ms. Joan Estes (LSCFSE)

TABLE 1
COMPARISON OF 1979 AND 1980 EDDY CURRENT RESULTS
POINT BEACH NUCLEAR PLANT, UNIT 2

	1979	1980				
	<20%	Still <20%	No Defect Detected		Increased <10%	Increased 10-20%
"A" SG Inlet	21	10	10		0	1
"A" SG Outlet	14	9	5		0	0
"B" SG Inlet	10*	2	2		4	1
"B" SG Outlet	133	127	2		4	0
	20-29%	Same +3%	No Defect Detected	Decreased >3%	Increased 3-10%	Increased 10-20%
"A" SG Inlet	5	1	0	3	0	1
"A" SG Outlet	1	0	0	1	0	0
"B" SG Inlet	3	1	1	0	0	1
"B" SG Outlet	92	66	0	18	7	1
	30-39%	Same +3%	No Defect Detected	Decreased >3%	Increased 3-10%	Increased 10-20%
"A" SG Inlet	6	1	0	2	2	1
"A" SG Outlet	1	0	0	1	0	0
"B" SG Inlet	3	3	0	0	0	0
"B" SG Outlet	5	1	0	4	0	0

*One tube not inspected.