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 RECIP. NAME: CRUTCHFIELD, D. RECIPIENT AFFILIATION: Operating Reactors Branch 5

SUBJECT: Summarizes status of steam generator insp & recovery activities since 820210 meeting. Requests approval of plans to remove limited number of tube samples for metallurgical exam. Addl details will be provided at 820301 meeting.

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MEMORANDUM FOR THE CHIEF OF STAFF
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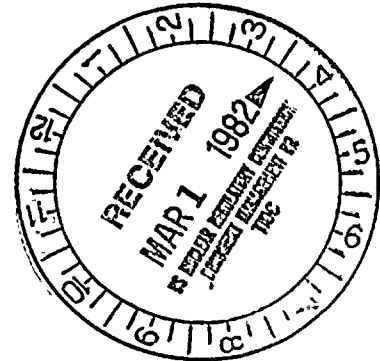
JOHN E. MAIER
Vice President

March 1, 1982

TELEPHONE
AREA CODE 716 546-2700

Director of Nuclear Reactor Regulation
Attention: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch, No.5
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: B Steam Generator Recovery Program
R.E. Ginna Nuclear Power Plant
Docket No. 50-244



Dear Mr. Crutchfield:

This letter provides a summary update on our steam generator inspection and recovery activities since our meeting with the NRC Staff of February 10, 1982. Additional details will be provided in our meeting with the NRC Staff on March 1, 1982. A complete report will be submitted prior to restart from the current outage. Video inspections of both steam generators have been completed. Several foreign objects have been located in the periphery of the B steam generator hot leg and of the A cold leg. In addition, a number of damaged tubes have been seen on the periphery of the B hot leg. In general, the damage in the B hot leg periphery is restricted to previously plugged tubes although some minor scrape marks are visible on currently in-service tubes. The scrape marks are below the minimum sensitivity of the eddy current inspection technique. No damaged tubes have been seen in the B cold leg or in either of the hot leg or the cold leg of the A steam generator.

The next step in our plans is to remove a small number of steam generator tube sections for metallurgical examination in order to obtain additional information necessary to finalize repair plans and to assist in determination of the failure mechanism. It is proposed that sections of at least 4 tubes be removed for metallurgical analysis; this would include R42C55, R43C55, R44C55 and R45C47. The first tube is the Burst tube, the second and third tubes must be removed to obtain access to the burst tube, and the fourth tube is one with an eddy current indication approximately 24 inches above the tube sheet. The sections removed for analysis will be between the tube sheet and first support plate.

The removal process will involve putting a 3 inch access port in the steam generator shell, EDM and mechanical cutting of tubes, and possible removal of one periphery U-bend section (R45C47). We have not identified any other tube sections to be removed although a small

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DATE March 1, 1982

TO Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch, No. 5

number may be indentified should it appear important information could be obtained from an additional, small, number of tubes. This program has been reviewed and approved by the Ginna Nuclear Safety Audit and Review Board (NSARB).

The 3" hole is presently being installed in the immedaite vicinity of column 55 on the hot leg side. The recent letter from Mr. Eisenhut indicated that the NRC desired to approve any "significant" steps, we request your timely approval of our plans to remove a limited number of tube samples for metallurgical examination. Following removal and inspection of the tube samples, we expect to finalize our recovery program for presentation to the Ginna NSARB and the NRC Staff within the next two to three weeks.

Very truly yours,


John E. Maier

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