

March 14, 2000

Mr. A. Alan Blind
Vice President, Nuclear Power
Consolidated Edison Company
of New York, Inc.
Broadway and Bleakley Avenue
Buchanan, NY 10511

SUBJECT: INDIAN POINT NUCLEAR GENERATING UNIT NO. 2 (IP2) - REQUEST FOR
ADDITIONAL INFORMATION RE: PROPOSED STEAM GENERATOR TUBE
EXAMINATION PROGRAM (TAC NO. MA8219)

Dear Mr. Blind:

By letter dated February 11, 2000, in accordance with Technical Specification (TS) 4.13.C.1, you submitted the proposed steam generator tube examination program for the 2000 refueling outage. On February 15, 2000, IP2 experienced a steam generator tube failure. On March 1, 2000, the NRC staff held a technical meeting with you to discuss the following: steam generator inspection and testing program, nuclear industry standard for steam generators, onsite replacement steam generators, post inspection findings and restart criteria. During that meeting you indicated, among other things, that (1) the proposed 2000 refueling outage steam generator tube examination program would be implemented as part of your steam generator recovery effort from February 15, 2000, event and (2) the inspection effort being performed would serve as the inspection of record required by plant TSs.

The staff is conducting a formal review of your steam generators which will focus on the steam generator inspections, problem identification, root cause analysis, and corrective actions. To facilitate the staff's efforts to review the adequacy of your proposed actions and plans for evaluating steam generator tube integrity, we request that you address the enclosed questions. We request that your responses to the enclosed questions be provided to the staff allowing sufficient time for NRC staff review prior to plant restart.

These questions and the requested response time have been discussed and agreed upon with J. McCann of your staff. If you have any questions, please contact me at (301) 415-1421.

Sincerely,

/RA/

Jefferey F. Harold, Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-247

Enclosure: Request for Additional Information

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION

PROPOSED STEAM GENERATOR TUBE EXAMINATION PROGRAM

INDIAN POINT NUCLEAR GENERATING UNIT NO. 2

DOCKET NO. 50-247

In preparing your response to the following questions, provide sufficient detail to address the related questions and action items that have been discussed with the NRC staff and agreed upon by representatives of Consolidated Edison in interactions that have occurred since the February 15, 2000, tube failure.

1. Summarize your specific plans for inspecting the steam generators (SGs). Include the inspection plans identified by individual areas of the SGs from both the tube side and the secondary side of the SGs.
2. Provide a description and the basis for your root cause analysis, the bases for all assumptions, and the results.
3. Provide a description and the basis of your proposed corrective actions, including any changes in hardware, operations, maintenance, monitoring, procedures, and future inspections.
4. Provide a summary of the results of the condition monitoring performed for the period of operation from the 1997 inspections through February 15, 2000. Provide a summary of the results of an operational assessment for the proposed period of operation until your next planned inspections. Include in these assessments an explanation of your methodology, uncertainties, growth rates, and the bases for any assumptions, as appropriate.
5. Address the basis for concluding that the leakage evident prior to the tube failure was from the eventual break and not from other locations.
6. Based on the observed leakage behavior just prior to the tube failure, discuss if you plan on making any changes to your operational procedures regarding changes in monitored leakage.

Enclosure

Indian Point Nuclear Generating Station
Units 1/2

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