

April 19, 1999

**MEMORANDUM TO:** S. Singh Bajwa, Chief  
Project Directorate I-1  
Division of Licensing Project Management

**FROM:** Edmund J. Sullivan, Chief [Original Signed By:]  
NDE & Metallurgy Section  
Materials and Chemical Engineering Branch  
Division of Engineering

**SUBJECT:** REQUEST FOR ADDITIONAL INFORMATION - REGARDING INDIAN  
POINT NUCLEAR STATION UNIT 2 STEAM GENERATOR  
INSPECTION INTERVAL (TAC NO. MA4526)

In a letter dated December 7, 1998, Consolidated Edison Company of New York, Inc., (the licensee) submitted for staff review a proposed modification to the plant's Technical Specifications (TS). The proposed amendment would: (1) allow a one-time extension of the steam generator (SG) inspection interval allowing the inspection to coincide with the current fuel cycle, and (2) delete the requirement of receiving NRC staff concurrence on the proposed steam generator examination program. The EMCB staff has reviewed the licensee's submittal and found areas where additional information is needed to proceed with the review. The requested information outlined in the attachment is needed to ensure that there is adequate assurance that the necessary margins consistent with Regulatory Guide 1.121 will continue to be maintained throughout the period of the extended operation and to clarify some potential inconsistencies in the TS.

Docket No.: 50-247  
Attachment: As stated

**CONTACT:** A. Keim, EMCB/DE  
415-1671

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

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CONTACT: A. Keim, EMCB/DE  
415-1671

**REQUEST FOR ADDITIONAL INFORMATION  
REVIEW OF TECHNICAL SPECIFICATIONS AMENDMENT REGARDING  
A ONE TIME SG INSPECTION INTERVAL EXTENSION  
AT INDIAN POINT UNIT 2**

The staff of the Materials and Chemical Engineering Branch (EMCB) requests the following questions be forwarded to the Indian Point Unit 2 (IP2) licensee. The questions are regarding their technical specifications' amendment request to allow a one-time extension of the steam generator (SG) inspection interval and the removal of the NRC concurrence on the licensee's proposed SG examination program. The EMCB staff has reviewed the licensee's submittal dated December 7, 1998, and found the following areas where additional information is needed to proceed with the review:

1. For each degradation mechanism, please provide a general description of the operational assessment methodology used to ensure that SG tube integrity will be maintained for the entire fuel cycle (cycle 14). The description should include an explanation of the predictive methodology, flaw growth rates, and NDE uncertainty used to determine structural and accident leakage integrity.
2. Please discuss the results of your condition monitoring assessment conducted during your most recent inspection. Include, what degradation mechanisms were evaluated using the Westinghouse and/or EPRI screening criteria? What mechanisms were not evaluated using the screening criteria? What assurance is provided that the structural integrity would be maintained?
3. Please provide an assessment of the water chemistry performance during the extended period of SG wet lay-up and during the current cycle of operation.
4. In TS sections 4.13A.2.e. and 4.13A.4.2.a. there are references to the most recent steam generator examination program approved by the NRC. Please modify these sections to maintain consistency of the TS when the NRC concurrence is no longer required.

**ATTACHMENT**