

John D. O'Toole
Vice President

Consolidated Edison Company of New York, Inc.
4 Irving Place, New York, NY 10003
Telephone (212) 460-2533

August 31, 1982

Re: Indian Point Unit No. 2
Docket No. 50-247

Mr. Ronald C. Haynes, Regional Administrator
Office of Inspection and Enforcement
Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pa. 19406

Dear Mr. Haynes:

By letter dated August 2, 1982 we provided a partial response to action item 3 of IE Bulletin No. 82-02, "Degradation of Threaded Fasteners in the Reactor Coolant Pressure Boundary of PWR Plants." Attachment A to this letter contains the balance of the information necessary to respond to the remainder of action item 3a and action item 3b of the subject bulletin.

Our response is being provided pursuant to Section 182 of the Atomic Energy Act as amended. Should you or your staff have any questions, please contact us.

Very truly yours,

Min L. Lee ~~APPEARED~~ BEFORE ME.

Min L. Lee for J. O'Toole

Subscribed and sworn to
before me this 31 day
of August, 1982.

Thomas Love

Notary Public
THOMAS LOVE
Notary Public State of New York
No. 31-2409638
Qualified in New York County
Commission Expires March 30, 1983
attach.

cc: Mr. T. Rebelowski, Senior Resident Inspector
U. S. Nuclear Regulatory Commission
P. O. Box 38
Buchanan, New York 10511

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ATTACHMENT A

Final Response to Action Item 3 of
IE Bulletin No. 82-02
"Degradation of Threaded Fasteners in the
Reactor Coolant Pressure Boundary of PWR Plants"

Consolidated Edison Company of New York, Inc.
Indian Point Unit No. 2
Docket No. 50-247
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Action Item #3a (IE Bulletin No. 82-02):

Identify those bolted closures of the RCPB that have experienced leakage, particularly those locations where leakage occurred during the most recent plant operating cycle. Describe the inspections made and corrective measures taken to eliminate the problem. If the leakage was attributed to gasket failure or its design, so indicate.

Response

The bolted closures of the RCPB that have evidenced buildups of boric acid crystals as identified during inservice inspections performed during the most recent (fourth) refueling outage and the corrective actions taken were identified by Con Edison letter (O'Toole) to NRC (Haynes) dated August 2, 1982.

There have been no bolted closures or connections of the RCPB covered by the scope of NRC IE Bulletin No. 82-02 which have experienced leakage during the present operating cycle.

Action Item #3b (IE Bulletin No. 82-02):

Identify those closures and connections, if any, where fastener lubricants and injection sealant materials have been or are being used and report on plant experience with their application particularly any instances of SCC of fasteners. Include types and composition of materials used.

Response

- A. Fastener lubricant has been used on steam generator and pressurizer manway closures, valve bonnets and pump flange connections covered by the scope of NRC IE Bulletin No. 82-02.
- B. The individual procedures specify which lubricant is to be used. The types of lubricants used and composition are:
- | | | |
|-----|----------------|-----------------------------------|
| (1) | Fel-Pro N-5000 | Nickel-graphite |
| (2) | Neolube No. 1 | Graphite suspended in alcohol |
| (3) | Never-Seez | Pure nickel special nuclear grade |
| (4) | Molykote 2 | Molybdenum disulfide powder |
- C. Injection sealant material has not been used on bolted closures or connections of the RCPB covered by the scope of the NRC IE Bulletin No. 82-02.
- D. We have had no instances of stress corrosion cracking (SCC) of fasteners covered by the scope of the Bulletin.