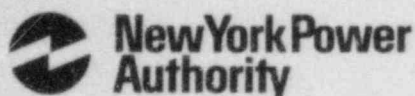


Indian Point 3
Nuclear Power Plant
P.O. Box 215
Buchanan, New York 10511
914 739.8200



July 17, 1984
IP3-JCB-2868

Mr. Thomas T. Martin
Division of Engineering and Technical Programs
U. S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

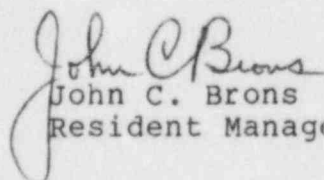
SUBJECT: I.E. Bulletin No. 84-02: Failures of General
Electric Type HFA Relays in Use in Class 1E Safety
Systems

Dear Mr. Martin:

Attachment A of this letter provides information with respect to the Authority's review of the subject bulletin. Approximately 225 man-hours of staff time and 1,300 man-hours of consultant time were utilized in the research and preparation of this report.

Should you or your staff have any questions regarding this matter, please contact Mr. W. Hamlin of my staff.

Very truly yours,

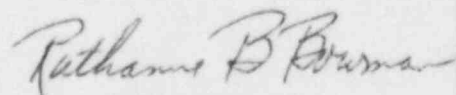

John C. Brons
Resident Manager

cc: Resident Inspector's Office

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

SUBSCRIBED AND SWORN TO
BEFORE ME THIS 17th DAY
OF July, 1984.

8407260279 840717
PDR ADOCK 05000286
Q PDR


RUTHANNE B. BOWMAN
Notary Public, State of New York
No. 4651904, Westchester County
Commission Expires March 30, 1985

Attachment A

IE Bulletin No. 84-02 informed licensees of recent failures of General Electric HFA relays that were continuously energized in ac circuits and failed to open when de-energized due to the deterioration of the coil wire insulation as a result of the effects of aging. The subject bulletin required appropriate action if licensees utilized these specific relays in safety related applications and also requested a review of the general concerns expressed in the bulletin for applicability to the licensee's facility(ies).

The Authority has completed its review of the specific concerns cited in IE Bulletin No. 84-02 and has determined that Indian Point 3 (IP-3) does not utilize General Electric HFA relays in either normally energized (nylon or lexan coil spool-type HFA) or normally de-energized (nylon coil spool-type HFA) safety-related applications. As such, no actions are required to be taken as a result of the specific concerns cited in IE Bulletin No. 84-02.

The Authority is continuing in its review of the general concerns cited in IE Bulletin No. 84-02 for applicability at IP-3. To this extent, a consultant has been contracted to perform an evaluation of all relays used in safety related applications at IP-3 to ascertain what extent, if any, the general concerns cited in IE Bulletin No. 84-02 may apply. This ongoing evaluation has identified the types of relays used at IP-3 for the safety functions described in IE Bulletin No. 84-02 and will identify any relays that have similar materials that are used for safety functions other than those described in IE Bulletin No. 84-02. The past operating history of all safety related relays has been compiled and all safety related relay failures at IP-3 identified. In addition, the manufacturer's recommendations are being reviewed to confirm that the current practices on safety related relays at IP-3 are consistent with those recommended by the manufacturer.

To date, no additional actions as a result of the general concerns expressed in IE Bulletin No. 84-02 have been identified. However, the Authority's evaluation of these concerns for applicability at IP-3 is still ongoing. It is the intent of the Authority to assure a detailed and comprehensive evaluation of relays currently used at IP-3 in safety related applications. As such, it is estimated that the Authority will provide the final results of the ongoing evaluations discussed above within ninety days of the date of this letter.