

William J. Cahill, Jr.
Vice President

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May 6, 1976

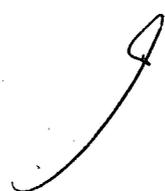
Re: Indian Point Station
Unit No. 3
Docket No. 50-286

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. O'Reilly

Your letter dated April 5, 1976 enclosed IE Bulletin No. 76-05 which related to defective Westinghouse (W) Type BFD relays identified during recent testing of the Reactor Protection System at another nuclear facility. With respect to the actions requested by the Bulletin, the following has been accomplished:

1. The opening time for 32 of the 80 BFD relays installed in safety related circuits were measured and all times were found to be less than 20 milliseconds. The particular relays tested were RT 1 thru 16 in logic trains A and B.
2. The maximum ambient temperatures in the cabinets housing the BFD relays were measured and found to be less than 100°F.
3. The coil or case temperatures of all 40 relays in train B were measured. All but six of the relays were energized at the time of the measurements. The average temperature of those relays energized was about 145°F with a measured maximum temperature of 165°F.



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On the basis of the above, we have concluded that the cooling in the relay cabinets is adequate and that these relays will perform satisfactorily. We have, however, ordered a complete set of replacement relays from Westinghouse which are more suitable for the application. Upon receipt of these relays, we plan to install them at the first outage of sufficient duration.

Very truly yours



William J. Cahill, Jr.
Vice President

cc: Office of Inspections and Enforcement
Division of Reactor Inspection Programs
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555