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John C. Brons
Executive Vice President
Nuclear Generation

May 6, 1988
IPN-88-017

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

Subject: Indian Point 3 Nuclear Power Plant
Docket No. 50-286
Inadequate Core Cooling Instrumentation
Post-Implementation Letter Report

References:

1. Letter from NRC to New York Power Authority, dated July 10, 1987, entitled: "Instrumentation to Detect Inadequate Core Cooling for Indian Point Nuclear Generating Unit No. 3" (M.M. Slosson to J.C. Brons).
2. Generic Letter 82-28, dated December 10, 1982, entitled: "Inadequate Core Cooling Instrumentation System."

Dear Sir:

Reference 1 transmitted the results of the NRC Staff's review of several Authority submittals that were made in response to Reference 2. As part of this review and acceptance of the Authority's proposed Reactor Vessel Level Instrumentation System (RVLIS), the NRC Staff requested that the Authority submit a "Post-Implementation Letter Report."

The RVLIS installation and testing was completed during the recent Cycle 5/6 Refueling Outage, and the system has been operational since the subsequent plant startup. Post-implementation information is provided in Attachment I to this letter, consistent with the guidelines contained in Reference 1.

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

Very truly yours,

John C. Brons
Executive Vice President
Nuclear Generation

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ATTACHMENT I TO IPN-88-017
REACTOR VESSEL LEVEL INSTRUMENTATION SYSTEM (RVLIS)
POST-IMPLEMENTATION LETTER REPORT

The following information is provided as requested in a letter from the NRC Staff, dated July 10, 1987. The format of the information provided herein conforms to that outlined in the Staff's letter:

(1) System installation, functional acceptance testing, and calibration was completed prior to plant startup, following the Cycle 5/6 Refueling Outage. Functional tests included visual verification, RVLIS fill and heat-up with calibration of instruments and collection of operating data, leak/integrity testing, balancing of hydraulic system, electrical checkout of all switches and transmitters, and performance testing of all instruments. All test result and calibration data are available for inspection.

(2) The system performs in accordance with design expectations and within design tolerances.

(3) There were no deviations in the as-built system from the previous design descriptions. As part of the design basis, plant-specific calibration software was developed as a result of data collected during the heatup phase of testing.

(4) The appropriate IP-3 Emergency Operating Procedures (EOPs) have been revised to incorporate RVLIS; these EOPs conform to the NRC-approved Westinghouse Emergency Response Guidelines.