



Public Service of New Hampshire

March 18, 1986

SBN-967
T.F. B4.2.99

United States Nuclear Regulatory Commission
Washington, DC 20555

Attention: Mr. Vincent S. Noonan, Project Director
PWR Project Directorate #5

- References:
- (a) Construction Permit CPPR-135 and CPPR-136, Docket Nos. 50-443 and 50-444
 - (b) USNRC Letter, dated August 10, 1983, "Safety Evaluation Report on the Generic Westinghouse Design for Automatic Shunt Trip Actuation," D. G. Eisenhut to J. J. Sheppard (WOG)
 - (c) PSNH Letter (SBN-868), dated September 9, 1985, "Additional Response to Generic Letter 83-28 (Positions 4.1 and 4.3)," J. DeVincentis to G. W. Knighton

Subject: Additional Information Regarding Generic Letter 83-28, Position 4.3

Dear Sir:

In Reference (c) Public Service of New Hampshire stated that an additional response would be developed for response numbers 4, 9, 10, 11, and 12, when plant-specific test procedures were completed. The referenced plant-specific test procedures have been completed and the following information is being presented to close out Position 4.3.

4. Request

"State whether the test procedure/sequence used to independently verify operability of the undervoltage and shunt trip devices in response to an automatic reactor trip signal is identical to the test procedure proposed by the Westinghouse Owners Group (WOG). Identify any differences between the WOG test procedure and the test procedure to be used and provide the rationale/justification for these differences."

Response

Seabrook Station has developed four test procedures that require independent verification of the operability of the undervoltage and shunt trip devices. These procedures are identical to the proposed WOG Test Procedures.

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9. Request

"Verify that the operability of the Control Room manual reactor trip switch contacts and wiring will be adequately tested prior to startup after each refueling outage. Verify that the test procedure used will not involve installing jumpers, lifting leads, or pulling fuses and identify any deviations from the WOG procedure. Permanently installed test connections (i.e., to allow connection of a voltmeter) are acceptable."

Response

The operability of the Control Room manual reactor trip switch contacts and wiring will be tested prior to startup after each refueling outage. The procedure, "Post Refueling Pre-Startup RX Trip Breaker Surveillance," tests the Control Room manual reactor trip switch contacts and wiring, and does not involve installing jumpers, lifting leads or removing fuses.

10. Request

"Verify that each bypass breaker will be tested to demonstrate its operability prior to placing it into service for reactor trip breaker testing."

Response

Plant-specific procedures have been developed that use the local close and trip pushbutton switches when testing each bypass breaker prior to placing them into service for reactor trip breaker testing.

11. Request

"Verify that the test procedure used to determine reactor trip breaker operability will also demonstrate proper operation of the associated Control Room indication/annunciation."

Response

Plant procedures that were developed to determine reactor trip breaker operability also demonstrate proper operation of the associated Control Room indication/annunciation.

12. Request

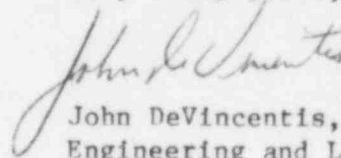
"Verify that the response time of the automatic shunt trip feature will be tested periodically and shown to be less than or equal to that assumed in the FSAR analyses or that specified in the Technical Specifications."

Response

The automatic shunt trip feature for each trip and bypass breaker will be tested during each refueling. The response time will be verified equal to or less than 0.167 seconds, as referenced in the Generic Westinghouse Design for Automatic Shunt Trip Actuation, WOG letter Number OG-101 from J. J. Sheppard to D. G. Eisenhut, dated June 14, 1983.

Should you have any additional questions, please do not hesitate to contact us.

Very truly yours,



John DeVincentis, Director
Engineering and Licensing

cc: ASLB Service List