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Company

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Public Service Electric and Gas Company P.O. Box 236, Hancocks Bridge, NJ 08038 609 339-4800

Dr. Thomas E. Murley, Administrator
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Dr. Murley:

NRC INSPECTION REPORT #85-51
NOTICE OF VIOLATION
HOPE CREEK GENERATING STATION

Your letter dated December 13, 1985, transmitting the subject report contained a Notice of Violation. The following is provided amending Section B of our January 14, 1986 response to the Notice of Violation.

B. 10CFR50 Appendix B Criterion V states in part, "Activities affecting quality shall be prescribed by documented instructions, procedures, or drawings...and shall be accomplished in accordance with these instructions, procedures or drawings...".

Contrary to GE Drawing 791E421AC, on October 24, 1985, it was identified that the pressure transmitter wires connected to terminals 5511 and 5512 were reversed and that the flow transmitter wires connected to terminals 5514 and 5515 were also reversed.

Corrective Steps Taken and Results Achieved

The reversed wire problem was identified by the I&C Startup Test Engineer during a functional loop test performed to ensure that rework activities performed did not invalidate previous test results. The circuit did not function as

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designed in the as-found condition. In compliance with Startup Administrative Procedure No. 20, the installed conditions were brought into conformance with the latest design drawing by correctly reterminating the wires at GE panel H11P618. This was done and recorded on the test package exception sheet on October 24, 1985, the same day the discrepancy was noted.

Corrective Steps Taken to Preclude Recurrence

The root cause was determined to be an error on the part of craft personnel. In order to ascertain the scope of the problem, Startup Deviation Report No. RL-1047 was issued to provide verification of select field terminations in GE supplied panels in the Control and Relay Rooms. A total of 870 field terminations were visually inspected for compliance with the EE-580 program. PSE&G Quality Control provided 100% coverage of this activity. Six discrepancies between the EE-580 printout and the installed conditions were noted in the course of the inspection. Discrepancy Reports were prepared to resolve the specific concerns.

Upon investigation, all six of the apparent discrepancies proved to have no impact on system or component functionality. In four cases, although the wires are reversed, the circuits function properly. One deficiency consisted of an incorrect panel bay reference which we consider a typographical error. The last item identified a wire termination that was not called out on the EE-580 printout and was consequently, outside the scope of the sample. All discrepancies between the as-found condition and the EE-580 program will be corrected accordingly.

Based upon the above investigation results, we conclude that reversed wires do not constitute a significant problem for the Hope Creek Project.

Date of Full Compliance

The date of full compliance was March 6, 1986, the date the above investigation was completed. The minor corrections to the EE-580 program will be accomplished prior to initial criticallity.

Sincerely,

C Office of Inspection and Enforcement
Division of Reactor Construction Inspection
Washington, D. C. 20555

NRC Resident Inspector
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