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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JUL 08 1985

Docket No. 50-354

Public Service Electric & Gas Company
ATTN: Mr. Robert L. Mittl, General Manager
Nuclear Assurance and Regulation
P. O. Box 570
Newark, New Jersey 07101

Gentlemen:

Subject: HOPE CREEK UNIT 1 INDEPENDENT DESIGN VERIFICATION PROGRAM
(IDVP) IMPLEMENTATION INSPECTION REPORT 50-354/85-32

This letter conveys the results of the program plan implementation inspection of the Hope Creek Generating Station (HCGS) Unit 1 IDVP which is being conducted by Sargent & Lundy Engineers (S&L). This inspection was conducted in two phases; Phase I was conducted from May 8 to 10, 1985, and Phase II from June 4 to 6, 1985. The inspection was conducted by NRC's Office of Inspection and Enforcement. The NRC Team was composed of personnel from NRC's Office of Inspection and Enforcement and consultants. The implementation inspection was conducted at S&L's office in Chicago, Illinois.

The NRC's implementation inspection of the HCGS IDVP was organized into the five major disciplines involved: mechanical systems, mechanical components, civil/structural, electric power, instrumentation and controls. In each of these areas, the NRC inspectors assessed whether the audit was being conducted in accordance with the approved program plan and supporting procedures and whether the audit was being conducted in sufficient technical depth and detail to be an acceptable mechanism for providing additional assurance that the design of the HCGS complies with all licensing commitments and regulatory requirements.

The NRC Team finds that the IDVP is being conducted in a professional manner by experienced engineers and the technical depth of review is comparable to an Integrated Design Inspection (IDI). S&L should be able to reach a meaningful conclusion regarding the design process for the HCGS upon completion of the IDVP. Comments of the NRC Team are provided in the enclosed Implementation Inspection Report and its attachment.

Sincerely,

Brian K. Grimes, Director
Division of Quality Assurance, Vendor,
and Technical Training Programs
Office of Inspection and Enforcement

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Enclosure:

Inspection Report 50-354/85-32

cc w/enclosure:

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