

OCT 07 1991

Docket No. 50-354

Public Service Electric & Gas Company
ATTN: Mr. Steven E. Miltenberger
Vice President and
Chief Nuclear Officer

Post Office Box 236
Hancocks Bridge, New Jersey 08038

Dear Mr. Miltenberger:

Subject: Electrical Distribution System Functional Inspection (EDSFI) for Hope Creek
Nuclear Generating Station

This letter confirms the dates of January 27-31, 1992 and February 10-14, 1992 for the EDSFI at Hope Creek Nuclear Generating Station. This inspection will take place at the Hope Creek plant site. A preinspection visit by the team to the Hope Creek plant site is also scheduled on January 13-16, 1992 to review the availability of documents and to gather information for this inspection. Our plans were discussed with your staff during a telephone call between Mr. J. Hagan of your organization and Mr. Leonard Cheung of the NRC Region I office.

A management entrance meeting is scheduled for 10:30 a.m. on January 27, 1992, at the plant site. The management exit meeting is tentatively scheduled for 2:00 p.m. on February 14, 1992 at the plant site.

The primary objective of this inspection is to determine whether the electrical distribution system (EDS) as design, installed, and configured at Hope Creek is capable of performing its intended functions during all plant operating and accident conditions. A secondary objective is to assess PSE&G's engineering and technical support provided to ensure operability of the EDS.

In order to perform this comprehensive team inspection effectively, we request that PSE&G be prepared to provide, on January 13, 1992, a presentation which addresses, as a minimum, the following areas:

1. PSE&G's primary organization, including managers, clearly identifying responsibility, accountability and flow of authority.
2. Station AC and DC distribution system arrangements.
3. Interlocks and ties to various offsite and onsite power sources. Also, lineup of breakers during normal, startup, and emergency operation of the plant.

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4. Transfer capability of the EDS, following the loss of normal sources.
5. Specific regulatory commitments, if they are unique in nature.
6. PSE&G's in-house programs for controlling load growth, plant modification (including temporary modification) and setpoint control of protective relays.
7. PSE&G's in-house monitoring program for plant operating experience, and self assessment programs, if any.
8. Methodology of emergency diesel generator load calculations and battery load calculations.

In addition, we request that you provide us at least two copies of the documents listed in the enclosure at the inspection site on January 13, 1992. Your cooperation with us during this inspection will be appreciated. Should you have any questions regarding this inspection, you can contact Mr. Leonard Cheung at 215-337-5296 or Mr. Cliff Anderson at 215-337-5376.

Sincerely,

Original Signed by
Jacque P. Durr

Jacque P. Durr, Chief
Engineering Branch
Division of Reactor Safety

Enclosure: Hope Creek EDSFI Document List

cc w/encl:

S. LaBruna, Vice President-Nuclear Operations
Scott B. Ungerer, Manager, Joint Generation Projects Department,
Atlantic Electric Company
J. J. Hagan, General Manager - Hope Creek Operations
F. Thomson, Manager - Licensing and Regulation
J. T. Robb, Director, Joint Owner Affairs
A. C. Tapert, Program Administrator
R. Fryling, Jr., Esquire
M. J. Wetterhahn, Esquire
J. Lipoti, State of New Jersey
Lower Alloways Creek Township
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
State of New Jersey

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bcc w/encl:

Region I Docket Room (with concurrences)

J. Joyner, DRSS

DRP Section Chief

R. Lobel, EDO

A. Blough, DRP

S. Dembek, NRR

P. Kaufman, DRP

DRS SALP Coordinator

DRSS SALP Coordinator

J. Stone, Licensing Project Manager, NRR

LC
RI:DRS
Cheung

10/7/91

afa
RI:DRS
Anderson

10/3/91

D
RI:DRS
Durr

10/6/91

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ENCLOSURE

HOPE CREEK EDSFI DOCUMENT LIST

1. Corporate and onsite Engineering organization charts.
2. Station one-line diagrams for AC and DC systems.
3. P&IDs of ventilation systems associated with the electrical distribution system, including diesel generator rooms, battery rooms, and switchgear room.
4. P&IDs of diesel generator's support systems such as fuel, water, lube oil, and air.
5. Elementary diagrams of major electrical distribution components.
6. Listing of plant modification packages related to the EDS and its mechanical support systems.
7. Significant modification packages related to the EDS and its mechanical support systems.
8. Listing of plant calculations for EDS and mechanical support systems.
9. Engineering calculations pertaining to load control, short circuit study, voltage study, equipment sizing, protective relays and equipment settings, coordination study, EDG load study, penetration sizing, cable ampacities, and battery sizing and load profile.
10. Listing of procedures and specifications relating to Engineering, Operations and Maintenance.
11. Procedures and guidelines for design and the design change control process and temporary modifications.
12. Listing of LERS for the last three years related to the EDS function.
13. Listing of Temporary Modifications.
14. Listing of nonconformance reports.
15. Diesel generator surveillance test documents for the last 2 tests.
16. Battery capacity tests and surveillance tests (including charger and inverter testing, if any) documents for last 2 years.
17. Relay-set-point master list and calibration procedures for the protective relays.
18. Preventive maintenance and test procedures for 4160 Vac and 480 Vac circuit breakers.
19. Self assessment reports, QA audits in the engineering and technical support area.