

DCS

FEB 27 1992

Docket No. 50-219

Mr. John J. Barton  
Vice President and Director  
GPU Nuclear Corporation  
Oyster Creek Nuclear Generating Station  
P.O. Box 388  
Forked River, New Jersey 08731

Dear Mr. Barton:

Subject: Electrical Distribution System Functional Inspection

This letter confirms the dates of May 18-22, 1992 and June 1-5, 1992, for a special electrical distribution system functional inspection at the Oyster Creek Nuclear Generating Station. A pre-inspection visit by the team to the plant site is also scheduled on May 4-7, 1992 to review the availability of documents and to gather information for this inspection. Our plans were discussed with your staff during telephone calls between Mr. Tom Dempsey of your organization and Mr. A. Debra Greca of the NRC Region I office.

The inspection will take place at the Oyster Creek site, in Forked River, New Jersey where an entrance meeting is scheduled for 10:30 a.m. on May 13, 1992. The exit meeting is tentatively scheduled for 1:00 p.m. on June 5, 1992, also at the plant site.

The primary objective of the inspection will be to determine whether the electrical distribution system (EDS), as designed, installed, and configured at the Oyster Creek Station is capable of performing its intended functions during all plant operating and accident conditions. In addition, an assessment of the engineering and technical support provided to ensure continued operability of the EDS will be performed.

To support the comprehensive scope of this inspection, we request that your staff be prepared to provide, on May 18, 1992, a presentation which addresses, as a minimum, the following areas:

1. GPUN's organization, clearly identifying responsibility, accountability, and flow of authority.
2. Station ac and dc distribution systems arrangements.
3. Lineup of breakers during startup, normal and emergency operation of the plant.

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4. Electrical interlocks and ties to various offsite and onsite power sources.
5. Transfer capability of the systems following the loss of normal power sources.
6. Specific regulatory commitments, if they are unique in nature.
7. GPUN's in-house programs for controlling electrical load growth, plant modifications (temporary and permanent), and setpoints of protective relays.
8. GPUN's in-house monitoring and self assessment programs, if any.

In addition, we request that GPUN provide us on site, on May 4, 1992, at least two copies of the documents identified on the enclosure. Your cooperation with us during this inspection will be appreciated. Should you have any questions regarding this inspection, you may contact Mr. Aniello Della Greca at (215) 337-5046 or Mr. Clifford Anderson at (215) 337-5376.

Sincerely,

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

cc w/encl:

M. Laggart, Manager, Corporate Licensing  
G. Busch, Licensing Manager, Oyster Creek  
Public Document Room (PDR)  
Local Public Document Room (LPDR)  
Nuclear Safety Information Center (NSIC)  
K. Abraham, PAO (2) All Inspection Reports  
NRC Resident Inspector  
State of New Jersey

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bec w/encl:

Region I Docket Room (with concurrences)

Management Assistant, DRMA (w/ encl)

DRS SALP Coordinator

E. Wenzinger, DRP

W. Ruland, DRP

R. Lobel, OEDO

A. Dromericq, NRR/PD 1-4

F. Young, SRI, Three Mile Island

J. Beall, SRI, Beaver Valley

R. Lobel, EDO

RI:DRS  
Della Greca  
ABY  
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RI:DRS  
Anderson  
02/27/92

RI:DRS  
Durr  
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## ENCLOSURE

### EDSEL DOCUMENT LIST

1. Engineering organization charts.
2. Station one-line diagrams for ac and dc systems (4 copies)
3. P&IDs of heating and ventilation (HVAC) systems associated with the electrical distribution system (EDS).
4. P&IDs of the emergency diesel generators' (EDG) support systems, including fuel, water, lube oil, and air starting systems.
5. elementary diagrams of major electrical distribution components
6. Listing of plant calculations.
7. Engineering calculations and studies pertaining to load control for both onsite and offsite ac sources; short circuit protection; voltage regulation during all modes of operation; degraded bus voltage conditions; protective relays settings; relay/breaker coordination; electrical penetration sizing and protection; equipment sizing, battery sizing; cable ampacities; load profiles; and EDG loading.
8. Engineering calculations and studies related to the HVAC of EDS equipment areas.
9. Engineering calculations and studies pertaining to the EDG fuel, cooling, and air starting capacity and requirements.
10. Engine loading calculations and manufacturers' pump curves for major EDG loads.
11. Engineering data related to the EDG excitation and control power and to the engine brake horsepower requirements.
12. Listing of plant permanent and temporary modifications affecting the EDS.
13. Packages of significant modifications pertaining to the EDS or to the process systems with significant impact on the EDS performed during the last 5 years.
14. Listing of procedures and specifications relating to Engineering, Operations, and Maintenance.
15. Procedures and guidelines related to the design and to the design change control process.
16. Procedures and results for the last two surveillance tests of the EDG, batteries, and representative safety related circuit breakers (air and molded case type) and protective relays.
17. LERs and a listing of NCRs, related to the EDS, which were issued during the last three years.
18. Self assessment reports and QA audits in the engineering and technical support area for the last three years.

Note:

For ease of reference, the documents should be appropriately labeled.