

OCT 23 1990

Docket No. 50-289

GPU Nuclear Corporation
ATTN: Mr. H. D. Hukill
Vice President and Director of TMI-1
P. O. Box 480
Middletown, Pennsylvania 17057

Gentlemen:

Subject: Electrical Distribution System Functional Inspection

This letter confirms the dates of November 19-21, December 3-7, and December 17-21, 1990 for a special electrical distribution system functional inspection at Three Mile Island, Unit 1. Our plans for this inspection were discussed with your staff during a telephone call between Mr. W. Heyser of your organization and Mr. Aniello Della Greca of the NRC Region I office. The inspection will take place both at the TMI-1 site in Middletown, Pennsylvania, and at the Corporate Offices in Parsippany, New Jersey.

A management entrance meeting is scheduled for 10:00 a.m. on December 3, 1990, at the TMI-1 site. The management exit meeting is tentatively scheduled for December 21, 1990, at 1:00 p.m., also at the TMI-1 site.

The primary purpose of the inspection will be to determine whether the electrical distribution system, as designed, installed, and configured at TMI-1, would be capable of performing its intended functions. In addition, an assessment of GPUN's engineering and technical support relative to the electrical distribution system will be performed.

To support the scope of the inspection, we request that GPUN be prepared to provide, on November 19, 1990, 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 system arrangements.
3. Interlocks and ties to various offsite and onsite power sources.
4. Transfer capability of the systems, following the loss of normal sources.
5. Specific regulatory commitments, if they are unique in nature.
6. GPUN's in-house programs for load growth, modification control, setpoint control, etc.
7. GPUN's in-house monitoring and self assessment programs, if any.

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In addition, we will require at least two copies of the following documents:

1. Engineering organization charts.
2. Station one-line diagrams.
3. P&IDs of ventilation system associated with the electrical distribution equipment.
4. P&IDs of diesel generator's supporting mechanical systems, e.g., fuel, water, etc.
5. Elementary diagrams of major electrical distribution components.
6. Listing of plant modifications.
7. Significant modification packages related to the electrical distribution system (EDS) or to fluid systems with significant impact on the EDS.
8. Listing of Plant Calculations.
9. Engineering calculations pertaining to load control, short circuit protection and breaker/relay coordination.
10. Listing of Procedures & Guidelines relating to Engineering, Operations & Maintenance.
11. Procedures and guidelines related to the design and design change control process.

The above information should be made available at the site on November 19, 1990.

Your cooperation with us during this inspection will be appreciated. Should you have any questions regarding the inspection, you can contact Mr. A. Della Greca at 215-337-5046 or Mr. C. Anderson at 215-337-5376.

Sincerely,

Original Signed By:
Marvin W. Hodges

Marvin W. Hodges, Director
Division of Reactor Safety

cc:

T. G. Broughton, Operations and Maintenance Director, TMI-1
C. W. Smyth, Manager, TMI-1 Licensing
R. J. McGoey, Manager, PWR Licensing
E. L. Blake, Jr., Esquire
TMI-Alert (TMIA)
Susquehanna Valley Alliance (SVA)
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
Commonwealth of Pennsylvania

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bcc:
Region I Docket Room (with concurrences)
R. Bellamy, DRSS
DRP Section Chief
J. Caldwell, EDO
R. Hernan, PM, NRR

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Della Greca
AAJ
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CPA
RI:DRS
Anderson
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