

DES

JAN 12 1993

Docket No. 50-336

Mr. John F. Opeka
Executive Vice President - Nuclear
Northeast Nuclear Energy Company
P. O. Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Opeka:

SUBJECT: ELECTRICAL DISTRIBUTION SYSTEM FUNCTIONAL INSPECTION
(EDSFI) FOR MILLSTONE UNIT 2 NUCLEAR POWER STATION

This letter confirms the dates of March 15-19, 1993 and March 29 - April 2, 1993, for the EDSFI at Millstone Unit 2 Nuclear Power Station. This inspection will take place at the corporate office in East Berlin, Connecticut. A preinspection visit by the team to the corporate office is also scheduled on March 1, 1993, 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. Jeffrey Smith of your organization and Mr. Leonard Cheung of the NRC Region I office.

A management entrance meeting is scheduled for 2:00 p.m. on March 15, 1993, at the corporate office. The management exit meeting is tentatively scheduled for 10:30 a.m. on April 2, 1993, also at the corporate office.

The primary objective of this inspection is to determine whether the electrical distribution system (EDS) as designed, installed, and configured at Millstone Unit 2 is capable of performing its intended functions during all plant operating and accident conditions. A secondary objective is to assess the Northeast Nuclear Energy Company (NNECO) engineering and technical support provided to ensure operability of the EDS.

In order to help us perform this comprehensive team inspection effectively, we request that NNECO be prepared to provide, on March 1, 1993, a presentation which addresses, as a minimum, the following areas.

1. NNECO's primary organization, including managers, clearly identifying responsibility, accountability and flow of authority.
2. Station ac and dc distribution system arrangements.

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3. Interlocks and ties between various offsite and onsite power sources. Also, lineup of breakers during normal, startup and emergency operation of the plant.
4. Transfer capability of the EDS, following the loss of normal sources.
5. Specific regulatory commitments for the EDS, if they are unique in nature.
6. Programs for controlling load growth and plant modifications (including temporary modifications).
7. Plant operating experience and self assessment programs.
8. Methodology for emergency diesel generator and battery load calculations.
9. Methodology for protective relay setpoint calculations and control of protective relay setpoints.
10. A brief description of the HVAC systems used to maintain the diesel generator, battery and switchgear rooms.

In addition, we request that you provide us at least two copies of the documents listed in the enclosure at the inspection site on March 1, 1993. 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. William Ruland at 215-337-5376.

Sincerely,

Original Signed By
Jacque P. Durr

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

Enclosure: Millstone Unit 2 EDSFI Document List

cc w/encl:

W. D. Romberg, Vice President - Nuclear, Operations Services
S. E. Scace, Vice President, Millstone Station
J. S. Keenan, Nuclear Unit Director
R. M. Kacich, Director, Nuclear Licensing
D. O. Nordquist, Director of Quality Services
Gerald Garfield, Esquire
Nicholas Reynolds, Esquire
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
State of Connecticut SLO

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bcc w/encl:

Region I Docket Room (with concurrences)

R. Blough, DRP

L. Doerflein, DRP

W. Raymond, SRI, Haddam Neck

P. Swetland, SRI, Millstone

V. McCree, OEDO

G. Vissing, PM, NRR

R. Barkley, DRP

lsc
RI:DRS
Cheung

1/5/93

RR/for
RI:DRS
Ruland

1/5/93

[Signature]
RI:DRS
Durr

1/12/93

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ENCLOSURE

MILLSTONE UNIT 2 EDSFI DOCUMENT LIST

<u>Item No.</u>	<u>Documents</u>
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 rooms.
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.	Major engineering calculations pertaining to load control, short circuit study, voltage study, equipment sizing, protective relays and equipment settings, coordination study, EDG load study, containment penetration sizing, 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 of the last three years.
14.	Listing of nonconformance reports of the last three years.
15.	Diesel generator surveillance test documents for the last two tests.
16.	Listing of all station batteries, 24 volts and above, including voltages, functions, locations, classification (safety or nonsafety-related), and number of cells, including batteries in the switchyard.
17.	Capacity tests and surveillance test documents of safety-related batteries (including charger and inverter testing, if any) for the last two years.
18.	Relay-setpoint control procedure, relay-setpoint master list, and protective relays calibration procedures.
19.	Preventive maintenance and test procedures for the 4160 Vac and 480 Vac air and molded case circuit breakers.
20.	Self assessment reports and QA audits in the engineering and technical support area.

Please arrange documents according to the item number given above, to facilitate locating specific documents by the inspection team members.