



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

Docket
File

November 28, 1990

Docket No. 50-219

Mr. E. E. Fitzpatrick
Vice President and Director
Oyster Creek Nuclear Generating Station
P. O. Box 388
Forked River, New Jersey 08731

SUBJECT: EVALUATION OF DIESEL GENERATOR BUILDING SUBJECTED TO
TORNADO-WIND GENERATED LOADING - OYSTER CREEK NUCLEAR
GENERATING STATION - SEP TOPICS III-2, ITEM 4.3.7 AND
III-4A, ITEM 4.6.1 (TAC NOS. 49342 AND 49394)

Dear Mr. Fitzpatrick:

In our Safety Evaluation dated February 26, 1990 concerning the above subject, the staff concluded that the walls of the diesel generator vaults and the oil tank compartment are capable of withstanding the loads generated by a tornado having a windspeed of 168 miles per hour and are acceptable. However, the staff required that GPU Nuclear Corporation (GPUN) provide adequate protection to the outside fuel supply line against the potential missile strike irrespective of the probability consideration. Another reliable method of assuring that fuel will be supplied to diesel generators in the event of a supply line break could also be acceptable.

By letters dated April 16, 1990 and July 27, 1990, GPUN provide a commitment to install a safety grade check valve and a safety grade gate valve in the supply line inside the emergency diesel generator fuel tank room. The installation of these valves is intended to provide protection of the fuel oil supply from back flowing out of the 15,000 gallon Diesel Generator Fuel Storage Tank (Day Tank) in the event of a fuel supply line rupture outside of the fuel storage tank room.

We have reviewed GPUN's proposed changes to the diesel generator supply line and the proposed modification change to protect the Day Tank fuel supply to the diesel generators and find it acceptable. Our Safety Evaluation is enclosed. However, our acceptance of the proposed design is predicated upon its finalization and implementation. Therefore, if GPUN alters the approved design (e.g.,

9012040047 901128
PDR ADCK 05000219
PDC

JFO
1/1

November 28, 1990

valve number, type or location), the amended design shall be submitted by GPUN to the staff for review and approval. Based on the above, we consider SEP Topics III-2, Item 4.3.7 and III-4A, Item 4.6.1 resolved.

Sincerely,

151

Alexander W. Dromerick, Sr. Project Manager
Project Directorate I-4
Division of Reactor Projects-I/II
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

Distribution:

- Docket File
- NRC & Local PDRs
- PD I-4 Rdg.
- SVarga
- BBoger
- SNorris
- ADromerick
- OGC
- EJordan
- JHarold
- ACRS (10)

OFC	: PDI-4:LA	: PDI-4:PM	: PDI-4:D	:	:	:
NAME	: SNorris	: ADromerick:cn	: SStall	:	:	:
DATE	: 11/27	: 11/28	: 11/28/90	:	:	:

Mr. E. E. Fitzpatrick
Oyster Creek Nuclear Generating Station

Oyster Creek Nuclear
Generating Station

cc:

Ernest L. Blake, Jr.
Shaw, Pittman, Potts and Trowbridge
2300 N Street, NW
Washington, D.C. 20037

Resident Inspector
c/o U.S. NRC
Post Office Box 445
Forked River, New Jersey 08731

I. H. Jolles, Executive Vice President
GPU Service Corporation
100 Interpace Parkway
Parsippany, New Jersey 07054

Commissioner
New Jersey Department of Energy
101 Commerce Street
Newark, New Jersey 07102

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406

Kent Tosch, Chief
New Jersey Department of Environmental
Protection
Bureau of Nuclear Engineering
CN 415
Trenton, New Jersey 08625

BWR Licensing Manager
GPU Nuclear Corporation
1 Upper Pond Road
Parsippany, New Jersey 07054

Mayor
Lacey Township
818 West Lacey Road
Forked River, New Jersey 08731

Licensing Manager
Oyster Creek Nuclear Generating Station
Mail Stop: Site Emergency Bldg.
P. O. Box 388
Forked River, New Jersey 08731