

GPU NUCLEAR CORPORATION  
OYSTER CREEK NUCLEAR GENERATING STATION

PROVISIONAL OPERATING  
LICENSE NO. DPR-16

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Technical Specification  
Change Request No. 122  
Docket No. 50-219

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Applicant submits, by this Technical Specification Change Request No. 122 to the Oyster Creek Nuclear Generating Station Technical Specification, changes to Specification 3.1.2, 3.1.4.

GPU NUCLEAR CORPORATION

BY *[Signature]*  
Vice President - Director  
Oyster Creek  
GPU Nuclear Corporation

STATE OF NEW JERSEY  
COUNTY OF OCEAN

Sworn and subscribed to before me this 1<sup>st</sup> day of May 1984.

*Diana A. Maldet*  
Notary Public

DIANA A. MALDET  
A Notary Public of New Jersey  
My Commission Expires June 5, 1986

8405020002

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

IN THE MATTER OF  
GPU NUCLEAR CORPORATION

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)  
DOCKET NUMBER 50-219

CERTIFICATE OF SERVICE

This is to certify that a copy of Technical Specification Change Request No. 122 for the Oyster Creek Nuclear Generating Station Technical Specification, filed with the U.S. Nuclear Regulatory Commission on May 1, 1984 has this May 2, 1984, been served on the Mayor of Lacey Township, Ocean County, New Jersey by deposit in the United States mail addressed as follows:

Mayor of Lacey Township  
818 W Lacey Road  
Forked River, New Jersey 08731

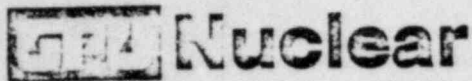
GPU NUCLEAR CORPORATION

BY



Vice President - Director  
Oyster Creek  
GPU Nuclear Corporation

Dated: May 1, 1984



**GPU Nuclear**  
100 Interpace Parkway  
Parsippany, New Jersey 07054  
201 263-6500  
TELEX 136-482  
Writer's Direct Dial Number:

May 1, 1984


Mayor of Lacey Township  
818 W Lacey Road  
Forked River, NJ 08731

Dear Mayor:

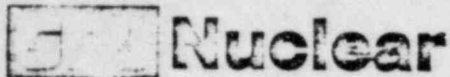
Enclosed is one copy of Technical Specification Change Request No. 122 for the Oyster Creek Nuclear Generating Station Operating License.

This document was filed with the United States Nuclear Regulatory Commission on May 1, 1984 .

Very truly yours,

  
J. B. Fiedler  
Vice President/Director  
Oyster Creek

dls:C234f  
Enclosure



GPU Nuclear Corporation  
Post Office Box 388  
Route 9 South  
Forked River, New Jersey 08731-0388  
609 971-4000  
Writer's Direct Dial Number:

May 1, 1984

Mr. Frank Cosolito, Acting Chief  
Bureau of Radiation Protection  
Department of Environmental Protection  
380 Scotch Road  
Trenton, NJ 08628

Dear Mr. Cosolito:

Subject: Oyster Creek Nuclear Generating Station  
Provisional Operating License No. DPR-16  
Change Request No. 122

Pursuant to 10 CFR 50.91(b)(1), please find enclosed a copy of the subject document which was filed with the United States Nuclear Regulatory Commission on May 1, 1984.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Peter B. Fiedler', written over a horizontal line.

Peter B. Fiedler  
Vice President and Director  
Oyster Creek

PBF:RPJ:dam  
Enclosure



ChangeTable 3-1 Exposure Panel Arrays Barnegat Bay, New Jersey

Relocation of three exposure panels as follows:

- a) Site No. 8 page 3-5 - Change site description from "Oyster Creek R.R. Bridge Discharge Canal" to "1500 ft. East of the Oyster Creek R.R. Bridge Discharge Canal"; change the structure to be used for suspension of rack from "Cross Member R.R. Bridge" to "Bulkhead."
- b) Site No. 9, page 3-6 - Change structure to be used for suspension of rack from "Cross Member R.R. Bridge" to "Metal Pier."
- c) Site No. 16, page 3-6 - Change description from "Berkely Yacht Basin, J. Street, Seaside Park, N.J." to "Bayside Boats, State Hwy. #35 and Bay Blvd., Seaside Park, N.J."

Justification

The subject exposure panels are located in areas that are popular fishing and crabbing spots, and vandalism has been a continuous problem. Tampering with the exposure panel arrays has resulted in the loss of data and improper positioning of the arrays in the water column. The technical specifications allow for the relocation of sampling locations in the event of a vandalism problem (see page 3-7 of Appendix B). This change is requested only to update Table 3-1 which describes the locations of the exposure panel arrays.

Change3.1.4 Water Quality Study

The following change in the wording of the "requirement" section is proposed.

"Salinity measurements shall be made with a device possessing an accuracy of at least  $\pm 10$  percent, and calibrated quarterly against standard seawater. Dissolved oxygen measurements shall be made with a device possessing an accuracy of at least 0.2 ppm and calibrated by air and saturated water quarterly. Temperature shall be measured with a device possessing an accuracy of at least  $\pm 0.45^{\circ}\text{C}$  between  $5^{\circ}$  and  $25^{\circ}\text{C}$  and  $\pm 0.65^{\circ}\text{C}$  between  $25^{\circ}$  and  $45^{\circ}\text{C}$  which is calibrated quarterly against a traceable standard. pH measurements shall be made with a device possessing an accuracy of at least 0.2 pH units which is calibrated with two buffers (4.0 and 7.0) daily. A daily performance check shall be made on all water quality measuring devices prior to use."

Justification

Daily calibration against a traceable standard is far too stringent a requirement for water quality measurements that are used simply to describe the physiochemical environment of the sampling station. Given the number of stations involved (17) and the frequency of sampling (monthly), this requirement would result in a recalibration of an instrument after only 8 or 9 measurements were taken.

TABLE 3-1  
EXPOSURE PANEL ARRAYS  
BARNEGAT BAY, NEW JERSEY

<u>Site No.</u>	<u>Site*</u>	<u>Structure to be Used for Suspension of Rack**</u>	<u>Approximate Latitude and Longitude</u>
1	Barnegat Coast Guard Station Barnegat Inlet	Finger Pier	Lat. 39° 45.8'N Lo. 74° 06.5'W
2	Ashton Marina 1450 Bay Ave. Manahawkin, NJ	Bulkhead	Lat. 39° 40'N Lo. 74° 13'W
3	Iggie's Marina East Bay Ave. Barnegat, NJ	Bulkhead	Lat. 39° 45'N Lo. 74° 12.5'W
4	Liberty Harbor Marina Washington Ave. Waretown, NJ	Bulkhead	Lat. 39° 47'N Lo. 74° 11'W
5	Mouth of Oyster Creek Lagoon (Compass Road)	Pier	Lat. 39° 48.5'N Lo. 74° 10.3'W
6	Oyster Creek #1 Lagoon (inshore end) Private Residence	Pier	Lat. 39° 48.5'N Lo. 74° 10.9'W
7	Barnegat Marine Service Center Dock Avenue Sands Pt. Harbor Waretown, NJ	End of Dock	Lat. 39° 48.5'N Lo. 74° 11.1'W
8	1500 ft. East of the Oyster Creek R.R. Bridge Discharge Canal	Bulkhead	Lat. 39° 48.7'N Lo. 74° 12'W

Table 3-1 - Continued

<u>Site No.</u>	<u>Site*</u>	<u>Structure to be Used for Suspension of Rack**</u>	<u>Approximate Latitude and Longitude</u>
9	Forked River South Branch Intake Canal	Metal Pier	Lat. 39° 49.2'N Lo. 74° 12.2'W
10	Teds Marina Bay Avenue Forked River	Pier	Lat. 39° 50.1'N Lo. 74° 11.6'W
11	Forked River (near mouth) 1413 River View Dr. Private Residence	Bulkhead	Lat. 39° 49.7'N Lo. 74° 10'W
12	Stouts Creek 1273 Capstan Dr. Private Residence	Pier	Lat. 39° 50.5'N Lo. 74° 08.8'W
13	Rocknak's Yacht Basin Seaview Avenue Lanoka Harbor, NJ	End of Pier	Lat. 39° 52'N Lo. 74° 09'W
14	Dicks Landing Island Drive Bayville, NJ	Pier	Lat. 39° 54'N Lo. 74° 08.1'W
15	Winter Yacht Basin Inc., Rt. 528 at Mantoloking Bridge W. Mantoloking, NJ (Holly Park)	Pier	Lat. 40° 02.5'N Lo. 74° 03.5'W
16	Bayside Boats State Hwy 35 and Bay Blvd. Seaside Park, NJ	Pier	Lat. 39° 55.9'N Lo. 74° 04.9'W

Action

See Section 3.1.1

3.1.4 Water Quality Study

Objective

Describe physico-chemical environment of each array and plankton station at time of every sampling

Requirements

"Salinity measurements shall be made with a device possessing an accuracy of at least  $\pm 10$  percent, and calibrated quarterly against standard seawater. Dissolved oxygen measurements shall be made with a device possessing an accuracy of at least 0.2 ppm and calibrated by air and saturated water quarterly. Temperature shall be measured with a device possessing an accuracy of at least  $\pm 0.45^{\circ}\text{C}$  between  $5^{\circ}$  and  $25^{\circ}\text{C}$  and  $\pm 0.65^{\circ}\text{C}$  between  $25^{\circ}$  and  $45^{\circ}\text{C}$  which is calibrated quarterly against a traceable standard. pH measurements shall be made with a device possessing an accuracy of at least 0.2 pH units which is calibrated with two buffers (4.0 and 7.0) daily. A daily performance check shall be made on all water quality measuring devices prior to use."

Action

See Section 3.1.1





Safety Evaluation  
Oyster Creek Nuclear Station  
(Refer to EP-015)

Page \_\_\_\_\_ of \_\_\_\_\_  
SE No. 315201-003  
Rev. No. \_\_\_\_\_

Title Appendix B Tech. Spec. Change Request

The Appendix B Tech. Spec. Change Request will relocate three woodborer exposure panels in order to curtail vandalism, as provided for in Section 3.1.2 of Appendix B. The purpose of these panels is to assess the effects of marine woodborers on the submerged wood in Forked River, Oyster Creek and Barnegat Bay. In addition, the frequency of calibration of environmental monitoring instrumentation is being decreased. This will not affect the quality of the data, nor the environmental monitoring program. These changes will have no effect on plant safety.