



GPU Nuclear Corporation
Post Office Box 353
Route 9 South
Forked River, New Jersey 08731-0388
609 971-4000
Writer's Direct Dial Number:

January 11, 1991

C321-91-2006

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Gentlemen:

Subject: Oyster Creek Nuclear Generating Station (OCNGS)
Docket No. 50-219
Technical Specification Change Request No. 194

In accordance with 10 CFR 50.59, 10 CFR 50.90 and 10 CFR 50.91, GPU Nuclear Corporation, Operator of the Oyster Creek Nuclear Generating Station, Provisional Operating License No. DPR-16, requests changes to Appendix A of that license.

In accordance with the requirement of the Oyster Creek Technical Specifications GPU Nuclear submitted pressure-temperature (P-T) limits for operation beyond ten (10) effective full power years (EFPY) on January 19, 1988.

The P-T curves were developed based on the surveillance capsule results and on the draft Rev. 2 of Regulatory Guide (R.G.) 1.99. The curves were approved by the NRC staff and were issued on March 21, 1988 as Amendment No. 120 to Oyster Creek Technical Specifications. The current Oyster Creek Technical Specifications require that new P-T operating curves be developed for operation beyond 15 EFPY.

Subsequently, GPU Nuclear evaluated P-T limits using the calculational methods given in the final Rev. 2 of R.G. 1.99. The purpose of this evaluation was to identify the impact of the R.G. 1.99, Rev. 2 on the current P-T curves. The results of this evaluation was submitted by our letter dated July 26, 1989 in response to Generic Letter 88-11, "NRC Position on Radiation Embrittlement of Reactor Vessel Materials and its Impact on Plant Operations."

The July 26, 1989 letter stated that another set of P-T operating curves for the Oyster Creek reactor vessel would be implemented by the end of 13R (May 1991). This plan complies with the schedule set forth in Generic Letter 88-11 which required licensees to update and fully implement new P-T curves within two (2) plant outages (approximately 3 years) after the effective date (May 1988) of Revision 2 to Regulatory Guide 1.99, "Radiation Embrittlement of Reactor Vessel Materials."

9101150015 910111
PDR ADOCK 05000219
PDR

1-10062

GPU Nuclear Corporation is a subsidiary of General Public Utilities Corporation

A001
111

This TSCR proposes new pressure-temperature limits up to 17 EFY and a new minimum boltup temperature for the vessel closure head stud tensioning.

The new P-T limits were developed recently in accordance with 10 CFR 50, Appendix G to assure that brittle fracture of the reactor vessel is prevented. Part of the analysis involved in developing the P-T curves is to account for irradiation embrittlement effects in the core region, or beltline. The method described in R.G. 1.99, Rev. 2 was used to account for irradiation embrittlement.

The proposed minimum boltup temperature was determined after comparing results of the evaluations based on the current and the original Code requirements. A more conservative value of the two results is being proposed.

Detailed discussions on methodology and results of the analyses for generating the P-T limits and the boltup temperature are provided in the attached report, SASR 90-89, "Pressure-Temperature Curves per Regulatory Guide 1.99, Revision 2 for the Oyster Creek Nuclear Generating Station."

It is requested that the amendment authorizing this change become effective prior to restart of Oyster Creek for the Cycle 13 operation. We have determined that a timely approval of this technical specification change request will help reduce duration of the upcoming refueling outage.

This Technical Specification Change Request has been reviewed in accordance with Section 6.5 of the Oyster Creek Technical Specifications.

Pursuant to 10 CFR 50.91(b)(1), a copy of this Technical Specification Change Request has been sent to the State of New Jersey Department of Environmental Protection.

Very truly yours,



J. J. Barton
Director, Oyster Creek

JJB/PFC:crb

cc: Administrator, Region I
NRC Resident Inspector (OC)
Mr. Alex Dromerick, Jr.

(OTSCR-194)



GPU Nuclear Corporation
Post Office Box 388
Route 9 South
Forked River, New Jersey 08731-0388
609 871-4000
Writer's Direct Dial Number:

January 11, 1991

Mr. Kent Tosch, Director
Bureau of Nuclear Engineering
Department of Environmental Protection
CN415
Trenton, New Jersey 08625

Dear Mr. Tosch:

Subject: Oyster Creek Nuclear Generating Station
Provisional Operating License No. DPR-16
Technical Specification Change Request No. 194

Pursuant to 10CFR50.91(b)(1), please find enclosed a copy of the subject document which was filed with the United States Nuclear Regulatory Commission on January 11, 1991.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. J. Barton".

J. J. Barton
Director, Oyster Creek

JJB/YN/plp
Attachment



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

January 11, 1991

The Honorable Debra Madensky
Mayor of Lacey Township
818 West Lacey Road
Forked River, New Jersey 08731

Dear Mayor Madensky:

Enclosed herewith is one copy of Technical Specification Change Request No. 194 for the Oyster Creek Nuclear Generation Station Operating License.

This document was filed with the United States Nuclear Regulatory Commission on January 11, 1991.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'J. J. Barton'.

J. J. Barton
Director, Oyster Creek

JJB/YN/plp
Attachment