



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

May 21, 1993

Docket
File

Docket No. 50-219

Mr. John J. Barton
Vice President and Director
GPU Nuclear Corporation
Oyster Creek Nuclear Generating Station
Post Office Box 388
Forked River, New Jersey 08731

Dear Mr. Barton:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - OYSTER CREEK NUCLEAR GENERATING STATION - GPU NUCLEAR CORPORATION RESPONSES TO GENERIC LETTER 92-01, REVISION 1 (TAC NO. M83490)

By letter dated June 30, 1992, GPU Nuclear Corporation (GPUN) submitted your response to Generic Letter (GL) 92-01. The purpose of GL 92-01 is to obtain information needed to assess compliance with requirements set forth in Appendices G and H to 10 CFR Part 50 and commitments made in response to GL 88-11 regarding reactor vessel structural integrity. Other regulations requiring compliance are 10 CFR 50.60 and 10 CFR 50.61.

The staff has completed the preliminary review regarding this matter and has determined that additional information is required. Specifically the staff requires the following information related to Questions 2a and 2b in GL 92-01.

Question 2a in GL 92-01

The response to GL 92-01 cites two references regarding the USE of beltline welds. These sources indicate that the initial USE values for all beltline welds, except for the surveillance weld, are not known. A plant specific fracture mechanics analysis submitted on September 22, 1992, covers all plates with low USE values, but not welds. In light of current information, previous staff approval of initial USE for welds is no longer applicable since the surveillance weld was made from wires of different heat and flux, and cannot be considered representative of the beltline welds. A topical report, NEDO-32205, titled "BWR Owners' Group Topical Report on Upper Shelf Energy Equivalent Margin Analysis" regarding beltline materials with low USE, was submitted by General Electric Company on April 30, 1993. The licensee must either confirm that this topical report will be used as its licensing bases or provide its plant specific approach to demonstrate that all beltline welds that do not have measured USE will meet requirements of Appendix G, 10 CFR Part 50.

Question 2b in GL 92-01

GPUN's response indicates that data from the drop weight test and Charpy test for beltline materials is either absent or incomplete for initial RT_{NDT} determination. An alternative method developed by General Electric (GE) was used in deriving the initial RT_{NDT} from incomplete test data. Provide all

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plate and weld Charpy test curves compiled by GE for establishing the 2 °F per ft-lb slope for the transition zone of the Charpy curve. All test data must be from materials equivalent to (i.e., same vendor, fabrication time frame, fabrication process, material specification, etc.) the beltline materials of this reactor vessel.

The staff requests that GPUN provide its response to our request for additional information within 60 days from receipt of this letter.

The information requested by this letter is within the scope of the overall burden estimated in Generic Letter 92-01, Revision 1, "Reactor Vessel Structural Integrity, 10 CFR 50.54(f)." The estimated average number of burden hours is 200 person hours for each addressee's response. This estimate pertains only to the identified response-related matters and does not include the time required to implement actions required by the regulations. This action is covered by the Office of Management and Budget Clearance Number 3150-0011, which expires June 30, 1994.

Sincerely,

Original signed by

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

cc: See next page

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Mr. John J. Barton

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Alexander W. Dromerick, Sr. Project Manager
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Mr. John J. Barton
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