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Writer's Direct Dial Number:

April 19, 1994  
C321-94-2055

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

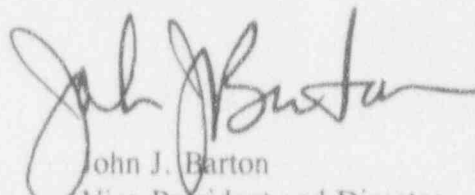
Dear Sir:

Subject: Oyster Creek Nuclear Generating Station  
Docket No. 50-219  
Response to NRC Bulletin 93-02, Supplement 1

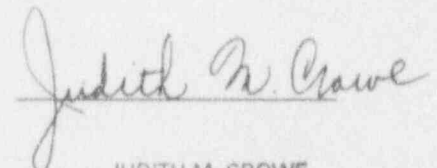
On February 18, 1994, the USNRC issued Bulletin 93-02, Supplement 1 "Debris Plugging of Emergency Core Cooling Suction Strainers". Page 6 of that supplement contained a 60 day reporting requirement for nuclear power licensees. Attachment I to this letter provides that required response. In summary, GPU Nuclear will perform the recommended actions of the bulletin, as appropriate, in accordance with the schedule provided in Attachment I.

As also required by NRCB 93-02 S1, this letter is being submitted under the provisions of Section 182a of the Atomic Energy Act of 1954 as amended, and 10 CFR 50.54(f).

If any additional information or assistance is required, please contact Mr. John Rogers of my staff at 609.971.4893.

  
John J. Barton  
Vice President and Director  
Oyster Creek

Sworn to and Subscribed before me this 19<sup>th</sup> day of April 1994.



JUDITH M. CROWE  
Notary Public of New Jersey  
My Commission Expires 1/25/95

JJB/JJR  
Attachment

9404250205 940419  
PDR ADDCK 05000219  
PDR

cc: Oyster Creek NRC Project Manager  
Administrator, Region I  
Senior Resident Inspector

GPU Nuclear Corporation is a subsidiary of General Public Utilities Corporation

TELL

# ATTACHMENT I

Reporting requirement 1 of NRCB 93-02 S1 stated in part:

" (Submit w)ithin 60 days of the date of this bulletin supplement, a report indicating whether or not the addressee intends to comply with the actions requested above description of planned actions, and the schedule for completing them...."

GPU Nuclear intends to comply with the recommended actions, as appropriate, in accordance with the dates delineated below:

## **NRC Recommended Action 1:**

"Provide training and briefings to apprise operators and other appropriate emergency response personnel of the information contained herein and in the referenced information notices regarding the potential for suppression pool strainer clogging."

## **GPU Response 1:**

Operations management will be provided with the requisite material to provide the described briefings for each shift on potential problems, indications and Emergency Operating Procedure (EOP) applicability to this concern by the end of April 1994.

The Training Department will develop a formalized classroom training session for inclusion in training cycle 94-03 to present a more detailed discussion of this concern. Included in this session will be a review of reactor level control, containment flooding, drywell spraydowns, and effective use of the EOPs. This training will also include any revisions to the EOPs which may result as a result of this effort.

The Emergency Preparedness Department will determine the appropriate Emergency Response Team personnel who would benefit from specific training on suction strainer plugging. This list of team members will be provided to the Training Department for completion of requisite training.

The training described above will be completed by the end of the end of August, 1994.

Additionally, GPUN engineering will develop specific indications of suction strainer plugging and work with the Simulator Management group to ensure that the simulator model is adequate. Simulator Training will then develop a demonstration and specific scenarios to be included in licensed operator training. This development and training is presently scheduled for completion by December 31, 1994.

**NRC Recommended Action 2:**

"Assure that the emergency operating procedures make the operator aware of possible indications of ECCS strainer clogging and provide guidance on mitigation."

**GPU Nuclear Response 2:**

In addition to the EOP procedure changes which may result from this effort, caution statements will be added to the support procedures for the core spray and containment spray systems to remind operators of the suction strainer plugging concern. These procedure changes will be completed prior to the end of the end of August, 1994.

**NRC Recommended Action 3:**

"Institute procedures and other measures to provide compensatory actions to prevent, delay, or mitigate a loss of available NPSH margin under LOCA conditions....Actions...may include:

- Reduction in flow through the strainers to reduce head loss and extend the time for debris deposition

- Operator realignment of existing systems to allow injection to the core from water sources other than the suppression pool

- Intermittent operation of the containment sprays, when possible, to reduce the transport of debris to the strainers

- Other plant specific measures which assure availability of sufficient core and containment cooling to meet the design basis of the plant."

**GPU Nuclear Response 3:**

Several procedures are being evaluated to determine if intermittent operation of the core spray pumps would be allowable and beneficial. Although reduced flow through the core spray system can be accomplished by decreasing the number of running pumps, controlling flow through a core spray pump is not within the design of the Oyster Creek plant. Alternate sources of water for makeup to the core and containment flooding have been previously addressed and are included in existing procedures. The containment spray pumps are manually started and stopped, therefore, the intermittent operation of these pumps is already addressed by existing procedures. Finally, other plant systems (e.g. hardened vent) have previously been included in the EOPs and other plant procedures which would assist in the mitigation of a clogged suction strainer. The procedure review and revision process is presently scheduled for completion by the end of the end of August, 1994.