



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

November 22, 1985

Docket No. 50-219
LS05-85-11-031

Mr. P. B. Fiedler
Vice President and Director
Oyster Creek Nuclear Generating Station
Post Office Box 388
Forked River, New Jersey 08731

Dear Mr. Fiedler:

SUBJECT: MAXIMUM DRYWELL TEMPERATURE

Re: Oyster Creek Nuclear Generating Station

Enclosed is the staff's evaluation of your letter of August 1, 1985, on the drywell temperature analysis for the design basis loss-of-coolant accident (LOCA). In that letter, you stated that GPU Nuclear (the licensee) has re-considered the maximum allowable drywell bulk temperature prior to the LOCA and for two other events (Main Steam Line Break and Loss of Drywell Cooling) and has determined that 150°F for these events poses an insignificant reduction in safety margin for the primary containment in withstanding these events. You concluded that it is safe to permit normal plant operations up to this maximum temperature.

Based on the enclosed safety evaluation, the staff has concluded that a maximum drywell bulk temperature of 150°F for Oyster Creek is acceptable. As you stated in your letter, the Updated Final Safety Analysis Report (FSAR) will be revised to reflect this change to the design basis for Oyster Creek. This should be done at the next scheduled revision of the FSAR.

The Appendix A Technical Specifications (TS) for Oyster Creek do not have limiting conditions for operation or surveillance requirements on the maximum allowable drywell temperature. Such TS are in the General Electric Boiling Water Reactor Standard Technical Specifications (BWR-STs), NUREG-0123 Revision 4, and should be in the Oyster Creek TS because this temperature is an important part of the design basis of the plant and is subject to the manner in which the plant is operated. Such TS would provide assurance that the drywell temperature does not exceed the safety analysis. You are requested to propose appropriate limiting conditions for operation and surveillance requirements for the maximum allowable drywell bulk temperature for Oyster Creek or a justification for not needing these TS before the restart from the Cycle 11 refueling (Cycle 11R) outage. We request that you also provide the algorithm for determining the drywell bulk temperature and a justification for the algorithm or propose a TS for the drywell peak temperature.

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P PDR

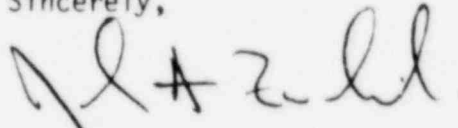
Mr. P. B. Fiedler

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November 22, 1985

You stated that an evaluation was being made on the aging effect of the 150°F drywell temperature on environmentally qualified equipment inside the drywell. Please provide the date when this will be submitted to the staff and what effect, if any, this 150°F would have on electrical equipment environmentally qualified under 10 CFR Part 50.49.

Sincerely,

A handwritten signature in dark ink, appearing to read 'J. A. Zwolinski', with a stylized flourish at the end.

John A. Zwolinski, Chief
Operating Reactors Branch No. 5
Division of Licensing

Enclosure:
Safety Evaluation

cc w/enclosure:
See next page

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Mr. P. B. Fiedler

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Sincerely,

Original signed by

John A Zwolinski, Chief
Operating Reactors Branch No. 5
Division of Licensing

Enclosure:
Safety Evaluation

cc w/enclosure:
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Mr. P. B. Fiedler
Oyster Creek Nuclear Generating Station

Oyster Creek Nuclear
Generating Station

cc:
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