



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

October 1, 1986

Docket No.: 50-219

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: INITIAL SUPPRESSION POOL TEMPERATURE FOR LOCA ANALYSIS AND CORE
SPRAY PUMP NPSH (TAC 61792)

Re: Oyster Creek Nuclear Generating Station

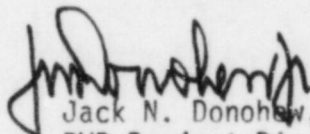
In my letter to you dated May 5, 1986, I stated that the initial suppression pool temperature used in the loss-of-coolant accident (LOCA) analysis may be less than the pool temperature allowed in the Oyster Creek Technical Specifications (TS) for any extended period of time. This was based on statements made by GPU Nuclear (the licensee) in the meeting of April 10, 1986, with the staff and my interpretation of TS 3.5.A.1, Primary Containment. My concern was that the net positive suction head (NPSH) for the core spray pumps was based on an initial pool temperature of 95°F and TS 3.5.A.1 appeared to allow the pool temperature to be above 95°F for an extended period of time. This was discussed in Section 17.0 of the March 1986 Progress Review meeting summary dated May 22, 1986.

The second attachment to my letter of May 5, 1986, was a request for information on the pool temperature allowed in the TS and the NPSH for the core spray pumps at this temperature. Your responses to this request are letters dated June 16 and August 4, 1986. In your letter dated June 16, 1986, you stated that TS 3.5.A.7 requires the plant to be in cold shutdown within 24 hours of exceeding the T of 95°F during normal power operation. Therefore, you stated that the appropriate initial pool temperature for the LOCA analysis is the 95°F which the licensee has assumed for its LOCA analysis and NPSH calculations. Your letter dated August 4, 1986, provided the additional information requested on the core spray pump NPSH.

We have reviewed your June 16 and August 4, 1986, letters concerning the question of the initial pool temperature for the LOCA analysis and the NPSH for the core spray pumps. We agree that TS 3.5.A.7 will limit the suppression pool temperature for any extended period to 95°F. You also state that NPSH for the core spray pumps is available at a pool temperature of 148.7°F. In addition, you have shown that the core spray pump-suctions are not near the electromagnetic relief valves discharge quenchers, the only sources of local heating of the torus water. Therefore, based on your responses, we consider this issue which was raised in my May 5, 1986, letter closed.

In your June 16, 1986, letter, you also addressed the technical issues of combustible gas control and Generic Letter 84-09. These issues will be addressed in future correspondence to you.

Sincerely,



Jack N. Donohew, Jr., Project Manager
BWR Project Directorate #1
Division of BWR Licensing

cc: See next page

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Mr. P. R. Fiedler
Oyster Creek Nuclear Generating Station

Oyster Creek Nuclear
Generating Station

cc:
Mr. Ernest L. Blake, Jr.
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N.W.
Washington, D.C. 20036

Resident Inspector
c/o U.S. NRC
Post Office Box 445
Forked River, New Jersey 08731

J.R. Liberman, Esquire
Bishop, Liberman, Cook, et al.
1155 Avenue of the Americas
New York, New York 10036

Commissioner
New Jersey Department of Energy
101 Commerce Street
Newark, New Jersey 07102

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Mr. David Scott, Acting Chief
Bureau of Nuclear Engineering
Department of Environmental Quality
380 Scotch Road
Trenton, New Jersey 08628

RWP Licensing Manager
GPU Nuclear
100 Interpace Parkway
Parsippany, New Jersey 07054

Deputy Attorney General
State of New Jersey
Department of Law and Public Safety
36 West State Street - CN 112
Trenton, New Jersey 08625

Mayor
Lacey Township
818 West Lacey Road
Forked River, New Jersey 08731

Mr. D. G. Holland
Licensing Manager
Oyster Creek Nuclear Generating Station
Post Office Box 388
Forked River, New Jersey 08731