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Writer's Direct Dial Number:

March 10, 1982



Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
NUREG 0737

Reference: I.R. Finfrock Letter of July 9, 1980 to
Mr. Darrell G. Eisenhut ('RC)

The purpose of this letter is to transmit to you our present status of NUREG Item II.K.3.46 "Michelson Concerns." The status of this item is as follows:

In our correspondence of July 9, 1980, we stated that the injection of Emergency Core Cooling (ECC) water into the core spray sparger and supply piping (which could potentially contain steam) was not felt to be a problem. Additionally, we stated that since this condition was not considered in the original design of the system, we intended to investigate the matter further. As you are aware, a new core spray sparger is planned for Oyster Creek.

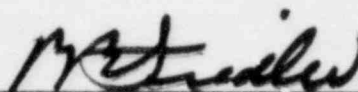
The design of the new overhead grid core spray sparger system has taken water hammer effects into consideration. A water trap will be installed upstream of each sparger, outside the reactor vessel. This will prevent cold water from entering the spargers during a vessel depressurization without core spray system actuation. It will also prevent the formation of steam pockets in piping outside of the reactor vessel.

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The new overhead grid core spray sparger system is constructed of heavier, more durable materials that are expected to withstand any of the above mentioned effects. In addition, studies are in progress to determine the upper bound value of any pressure spikes that could occur during actuation. This value will be used to demonstrate that the new overhead grid core spray sparger system will withstand any such forces.

If you should have any further questions on this issue, please contact Mr. James Knubel, Manager, BWR Licensing at (201) 299-2264.

Very truly yours,



Peter B. Fiedler
Vice-President & Director
Oyster Creek

PBF:JK:lse

cc: Ronald C. Haynes, Administrator
Region I
U.S. Nuclear Regulatory Commission
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NRC Resident Inspector
Oyster Creek Nuclear Generating Station
Forked River, NJ 08731