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5211-85-2057

Writer's Direct Dial Number:

Office of Nuclear Reactor Regulation
Attn: J. F. Stolz, Chief
Operating Reactors Branch No. 4
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

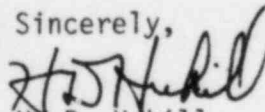
Dear Mr. Stolz:

Three Mile Island Nuclear Generating Station Unit 1 (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
EFW Long Term Mods

In response to the second portion of your letter of June 21, 1984, enclosed is a system description entitled "EFW System Upgrade to Safety Grade Design" which describes how the design criteria of our August 23, 1983 letter (5211-83-2232) will be implemented. On August 6, 1984 and February 19, 1985, GPUN sent the drawings listed in the back of Enclosure 1 which contained detailed schematics of the EFW long term modification. By letter dated October 3, 1984 (5211-84-2244), GPUN provided a schedule for the installation of the NUREG 0737 Item II.E.1.1 modifications. Included with this discussion was the replacement of the MS/MFW delta P signal with a safety grade high containment pressure signal.

Additionally, the main steam line rupture detection system (MSLRDS) will be safety grade to the extent possible since feedwater valves (FW-V5A, 92A, 16A & 17A) are located in the Turbine Building which is a non-seismic structure. The Intermediate Building (Alligator Pit) flooding alarm is being installed as a control grade modification using class 1E components. These monitors will be environmentally qualified for a Feedwater Line Break in the Intermediate Building. They will not be qualified for submergence since they will have performed their alarm function prior to submergence of any electrical component in this system. Based on the above, the submittal of detailed design information requested in your June 21, 1984 letter is considered complete.

Sincerely,


H. D. Hukill
Director TMI-1

HDH/SMO/lr/0586e

cc: J. Thoma, R. Conte

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