



November 6, 1972

Mr. R. C. DeYoung, Assistant Director
for Pressurized Water Reactors
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Re: Turkey Point Plant Units 3 and 4
Docket Nos. 50-250 and 50-251

Dear Mr. DeYoung:

This letter is in reply to your letter of September 26, 1972 which was received in this office on October 2, 1972. The requested review, to determine if failure of non-Category I (seismic) equipment could result in flooding or the release of chemicals adversely affecting safety-related equipment, has been made.

Circulating water system piping is below grade elevation +18 feet. A pipe break could flood the condenser tube pull pit shown on FSAR Figure 1.2-5. However, the outdoor design would permit runoff without effect on safety-related equipment.

Failure of the fire protection system piping presents no difficulty except in the east-west corridor of the Auxiliary Building. A break there might wet motor control centers in the corridor but these are backed up by redundant equipment in other locations. The possibility of common mode failure of redundant systems due to fire protection system piping failure does not exist. Water spilled on the floor would go to floor drains and also could run into residual heat removal pump rooms, but these have sump level alarms which are annunciated in the control room to alert operators of an abnormal condition.

Failure of intake cooling water discharge piping from the component cooling water heat exchangers would create no adverse effect, as water would flow outdoors and run off as does rainwater. Pipe trenches shown on FSAR Figure 1.2-3 are blocked to prevent flow into the Auxiliary Building. Those in the component cooling system rooms are blocked at the west end, and those in the safety injection pump room are blocked at the east end. All other entrances into the Auxiliary Building are closed by doors (maintained in the closed position by administrative procedures) with watertight sills to prevent water from entering the structure.

The review disclosed no condition where any release of chemicals used in the plant would affect safety-related equipment. The review has shown no need for design changes.

Very truly yours,

James Coughlin
James Coughlin
Vice President

JC:rp

cc: Mr. Jack Newman

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