



May 30, 1974



Mr. John F. O'Leary, Director
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. O'Leary:

UNUSUAL EVENT NOS. 250-74-2 AND 251-74-2
TURKEY POINT PLANT UNITS 3 AND 4
TURBINE STOP VALVE MALFUNCTION
DUE TO PHOSPHATE BUILDUP

In accordance with Technical Specification 6.6.2b, the following unusual event is reported.

Recently, while conducting a normal shutdown on Unit 3, the turbine stop valves failed to close. When all efforts to free the stuck valves proved unsuccessful, the valves were disassembled to determine the cause of the malfunction. Disassembly revealed phosphate deposits between the valve shafts and bushings. The phosphate deposits were washed off with warm water and the valves reassembled. The valves then operated satisfactorily. Subsequently, phosphate buildup problems have been experienced with the Unit 4 turbine stop valves. It was found that most of the phosphate deposits could be removed by periodically flushing the valve shaft-bushing housing with warm water when the turbine is shutdown. The turbine manufacturer recommends performing a field modification to the valves which includes installing a larger diameter valve shaft and bushing assembly which is "self-cleaning" when the valve is cycled. The modification on the Unit 3 turbine stop valves is scheduled to be accomplished during the October, 1974, refueling outage. The modification on Unit 4 will be scheduled during a maintenance outage this year.

Sincerely yours,

A. D. Schmidt
Director of Power Resources

DWR/kmw

cc: Mr. Norman C. Moseley
Jack R. Newman, Esquire

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