

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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**SUBJECT:** Discusses performance enhancement program Project 4  
Task 11.20 re upgraded RHR Valve 887.

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U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555

Re: Turkey Point Unit 4  
Docket No. 50-251  
Performance Enhancement Program (PEP)  
Project 4 Task 11.20 - Upgraded RHR Valve 887

Gentlemen:

One of the select system upgrades identified under PEP Project 4 Task 11.20 is the upgrade of residual heat removal valve 887. This valve was scheduled to be replaced during the next Unit 4 Fall 1988 refueling outage. A deferral of this modification to the Cycle 13 Unit 4 refueling outage has been discussed and concurred with by the NRC Region II Staff to allow the necessary time required to redesign and procure the proper valve.

LER 250-88-08 issued June 13, 1988 in our letter L-88-259, discussed an analysis performed by engineering which showed that the requirement to throttle the existing 8" wafer butterfly valve to 30% of the full open position could result in flashing downstream of valve 887. This could further result in inadequate NPSH for safety injection and containment spray pump operation. Since the 30% of full open position was required only to alleviate a concern for flowrates during refueling operations, as a temporary corrective action, valve 887 is now administratively controlled in the full open position in Modes 1 to 5. The 30% position is used only during refueling.

It had been planned to replace the existing butterfly valve with a globe valve that would provide positive isolation of the low pressure portion of the system as well as to be used for throttling during refueling operations. The analysis discussed above also determined that the Cv of this proposed globe valve precludes its use in the planned configuration. As a result, the design and more importantly, procurement of an upgraded valve has to be revised.

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Should there be any questions on this information, please contact us.

Very truly yours,

*DA Bagel*

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Senior Vice President - Nuclear

WFC/SDF/gp

cc: Dr. J. Nelson Grace, Regional Administrator, Region II,  
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