



MIDDLE SOUTH
UTILITIES SYSTEM

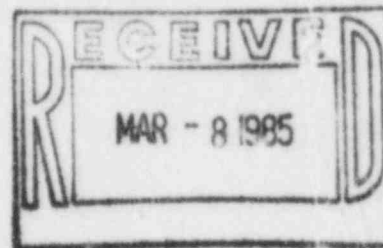
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March 6, 1985

W3P85-0551
3-A1.01.04
A4.05

Mr. Robert D. Martin
Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011



Dear Mr. Martin:

Subject: Waterford 3 SES
Docket No. 50-382
Significant Construction Deficiency No. 93
Charging and Letdown Containment Isolation Valve Deficiency
Additional Supporting Information

- References: 1. LP&L letter W3P85-0544 dated February 27, 1985
2. LP&L letter W3P85-0339 dated February 21, 1985

In the reference 1 letter we agreed to provide you further information regarding the findings and planned actions from our investigation of the potentially reportable event (PRE-85-054) of an isolation valve failure. As you are aware, the event in PRE-85-054 was similar to the problem reported in the significant construction deficiency, SCD-93 (reference 2).

The Letdown Containment Isolation Valve (CVC-103) failed in the open position during plant cooldown. We have concluded that thermal contraction during cooldown has the potential for seizing the plug segments in their open position.

The valve has since been freed, stroked and determined to be operable during cold shutdown. On March 3, 1985 at 0105 hours, when the plant was at normal operating temperature and pressure, the valve was stroked once. The closure time was 1.5 seconds. To further demonstrate the operability of the valve, the valve will be stroked during different temperature and pressure thresholds as described in the following paragraph.

The valve will be stroked in 100°F decrements during the next two cooldowns starting at or about 100°F below normal operating temperature and pressure. The surveillance conducted during cooldowns will be in accordance with

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procedure OP-10-001. If the valve fails to close during testing, Technical Specification 3/4.6.3 will be invoked and the plant personnel will respond accordingly.

A long term solution will be sought to relieve the plant from this valve cycling exercise, should cycling prove to be the necessary solution to current reliability concerns.

Should you have further questions on the matter at this time please contact G.E. Wuller, Onsite Licensing Coordinator at (504) 464-3499.

Very truly yours,



K.W. Geok
Nuclear Support & Licensing Manager

KWC:GEW:sms

cc: NRC, Director, Office of I&E
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