



January 10, 2005

U S Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Palisades Nuclear Plant  
Docket 50-255  
License No. DPR-20

Special Report Of Inoperability Of Main Steam Line Gross Gamma Activity Monitor

The Palisades Plant Offsite Dose Calculation Manual, Appendix A, Table A-1, Action 4, requires that a special report be submitted to the Nuclear Regulatory Commission within 30 days for the inoperability of RIA-2323, Main Steam Safety and Dump Valve Discharge Line Gross Gamma Activity Monitor, when the instrument is not restored to operable status within 7 days. The enclosed report summarizes the actions taken, the cause of the inoperability, and the plans and schedule for restoring the instrument to operable status.

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

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Enclosure

CC Administrator, Region III, USNRC  
Project Manager, Palisades USNRC  
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**ENCLOSURE**  
**SPECIAL REPORT OF INOPERABILITY OF RIA-2323**  
**MAIN STEAM LINE GROSS GAMMA ACTIVITY MONITOR**

**BACKGROUND**

On December 13, 2004, RIA-2323, Main Steam Safety and Dump Valve Discharge Line Gross Gamma Activity Monitor, was declared inoperable after observation of a downscale failure on the instrument's display.

**ACTIONS TAKEN**

A recent similar occurrence was experienced with RIA-2323 in November 2004. Corrective actions in response to that occurrence included replacing the radiation detector and re-adjusting the discriminator setting. RIA-2323 was then declared operable.

In response to the recurrence on December 13, 2004, additional troubleshooting is in progress. This troubleshooting includes placing RIA-2323 back in service for further monitoring. RIA-2323 remains inoperable during this monitoring period.

The preplanned alternate method of monitoring is in place as a compensatory measure.

**CAUSE OF INSTRUMENT INOPERABILITY**

The cause of the problem with RIA-2323 has not been definitively identified. There appears to be an intermittent problem with RIA-2323 as it self-restores shortly after exhibiting the problem, and then appears to function normally for extended periods of time.

**PLANS AND SCHEDULE FOR RESTORING INSTRUMENT OPERABILITY**

Monitoring and troubleshooting will continue with RIA-2323 being restored to operable not later than June 1, 2005.