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Licensing Manager

July 28, 2010

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

SUBJECT: Special Report of Inoperability of High Range Noble Gas Monitor
Palisades Nuclear Plant
Docket 50-255
License No. DPR-20

Dear Sir or Madam:

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-2327, High Range Noble Gas 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.

Sincerely,

A handwritten signature in black ink, appearing to read "Paula Anderson", written over a horizontal line.

PKA/TAD

Enclosure (1)

CC Administrator, Region III, USNRC
Project Manager, Palisades, USNRC
Resident Inspector, Palisades, USNRC

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NLR

ENCLOSURE

SPECIAL REPORT FOR INOPERABLE RIA-2327 HIGH RANGE NOBLE GAS MONITOR

BACKGROUND

RIA-2327, High Range Noble Gas Monitor, was declared inoperable on July 4, 2010, after annunciation of its associated control room alarm. The monitor's fail light was illuminated and the digital display indicated "E0007."

ACTIONS TAKEN

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

CAUSE OF INSTRUMENT INOPERABILITY

The source of the problem with RIA-2327 has been attributed to aging, causing degraded internal connections that result in communication failures between components. RIA-2327 has been in-service approximately 20 years.

PLANS AND SCHEDULE FOR RESTORING INSTRUMENT OPERABILITY

RIA-2327 is targeted for replacement with equivalent components by September 22, 2010. After replacement, RIA-2327 will be monitored for an appropriate period of time, with the compensatory measure remaining in place, before being declared operable.