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U.S. Nuclear Regulatory Commission
Document Control Room
Washington, D.C. 20555

Perry Nuclear Power Plant
Docket No. 50-440
Inoperable Accident Monitoring
Instrumentation - Special Report

Gentlemen:

Attached is a Special Report concerning inoperable Accident Monitoring Instrumentation. This report satisfies the requirements of Perry Technical Specifications 3.3.7.5 and 6.9.2.

If you have questions or require additional information, please contact Mr. James D. Kloosterman, Manager - Regulatory Affairs, at (216) 280-5833.

Very truly yours,

Robert A. Stratman

RAS:DHL:sc

cc: NRC Project Manager
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130072

Operating Companies
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IE22

On August 25, 1994, at 1120, the Offgas Ventilation Exhaust Post Accident Radiation Monitor was declared inoperable for performance of preventative maintenance and calibration, as required by Technical Specifications. Technical Specification 3.3.7.5 requires submittal of a Special Report within 14 days if the radiation monitor is not restored to operable within 72 hours. The 72 hour limit was exceeded on August 28, 1994 at 1120. In accordance with Technical Specification Action 81, pre-planned alternate monitoring methods were initiated. All aspects of Technical Specifications were met.

The Offgas Ventilation Exhaust Post Accident Radiation Monitor monitors the Offgas ventilation exhaust effluent airborne radiation during accident conditions. The sample is drawn from the normal range atmosphere radiation monitor isokinetic sampler. The sample passes through one of three particulate/iodine channels and then through a sample pump and a gas sample chamber. The gas sample chamber has two detectors, one each for intermediate and high range airborne radiation levels. Signals from the sample panel are sent to a microcomputer for processing. The signals provide indication to the control module in the Unit 1 Control Room.

The preventative maintenance being performed was replacement of a flow control circuit card in the sampler panel. Following replacement on August 26, 1994, the new circuit card would not calibrate properly. The work was postponed until August 29, 1994, causing the 72 hour limit to be exceeded. A condition report has been initiated to investigate the circumstances which resulted in postponing the work.

Further troubleshooting showed that the replacement flow control card was faulty. With no other replacement flow control cards available it was decided to reinstall and calibrate the original circuit card. Following installation, the original card operated intermittently. Troubleshooting determined the signal was being grounded through the circuit card mounting screws. The original mounting screws were specified as nylon on the bill of material, but were found to be steel. Nylon screws have been ordered with a scheduled delivery date to support returning the Offgas Ventilation Exhaust Radiation Monitor to operable on September 12, 1994.