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SUBJECT: Special rept: on 890912, inoperability of RHR heat exchanger
 svc water radiation monitor.

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October 20 , 1989


United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

RE: Docket No. 50-410
SPECIAL REPORT

Gentlemen:

This Special Report is a re-submittal of the September 12, 1989 report concerning the inoperability of the Residual Heat Removal (RHR) Heat Exchanger Service Water Radiation Monitor. Information contained in the EVENT DESCRIPTION is being revised to correct the preplanned alternate method of monitoring radiation levels.

Sincerely,



J. L. Willis
General Superintendent
Nuclear Generation

JLW/GB/lmc
(1020V)

cc: Regional Administrator, Region I
Sr. Resident Inspector, W. A. Cook

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In accordance with Nine Mile Point Unit 2 Technical Specification Table 3.3.7.5-1.13, Action Statement 81-b, we are submitting the following Special Report concerning the inoperability of the Residual Heat Removal (RHR) Heat Exchanger Service Water Radiation Monitor.

EVENT DESCRIPTION

On August 29, 1989, at 0630 hours with the reactor in "RUN" (Operational Condition 1) and at a power level of 99.9% rated thermal capacity, the RHR Heat Exchanger Service Water Radiation Monitor had been out of service for 72 hours. During this event, another continuous radiation monitor was utilized downstream of the failed device as required by Technical Specification (TS) Table 3.3.7.5-1.13, Action Statement 81-a.

The RHR Heat Exchanger Service Water Radiation Monitor (2SWP*CAB23B) was removed from service on August 26, 1989, to perform a routine inspection and cleaning of service water flow indicating switch (SWP*FIS1123B, located on the monitoring cabinet). Inability to return the system to an operable status within 72 hours requires submission of this Special Report to the U.S. Nuclear Regulatory Commission within 14 days as specified by TS Action Statement 81-b.

CAUSE OF THE EVENT

The cause of the failure to restore service water radiation monitor (2SWP*CAB23B) to operable status within 72 hours has been determined to be the repair of the faulty float mechanism in the service water flow indicating switch (2SWP*FIS1123B). A contributing cause to this event was the time needed to troubleshoot and determine the effectiveness of the repair. It is suspected that the float is intermittently lodging on a pipe fitting and preventing the actuation of the low flow and equipment failure alarms.

ACTIONS TAKEN

On August 29, 1989, at 1054 hours, RHR Heat Exchanger Service Water Radiation Monitor (2SWP*CAB23B) was returned to operable status.

A Work Request (WR#154958) was initiated to troubleshoot the suspected problem associated with service water flow indicating switch (2SWP*FIS1123B). Upon completion of this troubleshooting, a Problem Report (PR#08834) was generated and provided Engineering resolution of suspected problem. Subsequent to this, an Engineering Design Change (EDC#2E00414) was generated to provide Engineering guidance in completing Work Request (WR#154958)). Repairs to the pipe fitting have been completed.

