

Beaver Valley 1

Initiating Events



Significance: Dec 28, 2002

Identified By: NRC

Item Type: FIN Finding

INEFFECTIVE PROBLEM IDENTIFICATION AND RESOLUTION OF DEGRADED PRESSURE INSTRUMENT RESULTS IN MANUAL REACTOR TRIP

Station personnel failed to fully identify and resolve degradation of the Unit 1 turbine motoring condition alarm differential pressure instrument in 1999 and again in 2002. Ineffective problem identification and resolution, and a resulting lack of preventive maintenance led to an unplanned Unit 1 reactor trip. This finding was of very low significance because the issue did not effect the availability of mitigation equipment. The issue was not a violation because the differential pressure instrument is not subject to the requirements of 10 CFR 50, Appendix B.

Inspection Report# : [2002007\(pdf\)](#)

Mitigating Systems

Barrier Integrity

Emergency Preparedness



Significance: Mar 15, 2002

Identified By: NRC

Item Type: VIO Violation

FAILURE TO ADEQUATELY TEST OR MAINTAIN THE SIRENS FOR PERSONAL HOME ALERTING DEVICES TO MEET THE ORIGINAL DESIGN BASIS OF THE ALERT NOTIFICATION SYSTEM.

The personal home alerting devices (PHADs), which are part of the alert and notification system (ANS), had not been adequately tested or maintained to ensure that the design function of alerting essentially 100 percent of the public could be met. This was a violation of 10 CFR 50.47(b)(5) for not ensuring adequate means to provide early notification to the public. This finding was of substantial safety significance because portions of the emergency planning zone would not be adequately covered by the ANS to alert the public of a radiological emergency at the Beaver Valley Power Station. After considering the information developed during the inspection and the information the licensee provided at the conference, the NRC concluded that the inspection finding is more appropriately characterized as White, an issue with low to moderate safety significance, which may require additional NRC inspections, as was issued by EA letter 02-041 dated June 24, 2002.

Inspection Report# : [2002003\(pdf\)](#)

Significance: N/A Mar 15, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

DECREASED THE EFFECTIVENESS OF THE E-PLAN WITHOUT PRIOR NRC APPROVAL BY DESIGNATING THE PERSONAL HOME ALERTING DEVICE AS SUPPLEMENTAL

The licensee changed its emergency plan such that the personal home alerting devices were no longer considered a part of the siren notification system but were considered a supplemental part of the alert notification system. This change was determined to be a decrease in the effectiveness of the emergency plan. Decreases in the effectiveness of an emergency plan must receive NRC review and approval prior to implementation. The licensee entered this issue into its corrective action program (Condition Report 02-02195) and will change the emergency plan back to the original wording. The implementation of a change which decreased the effectiveness of the emergency plan is being treated as a non-cited violation consistent with Section VI.A of the Enforcement Policy, issued on May 1, 2000 (65 FR 25388).

Inspection Report# : [2002003\(pdf\)](#)

Significance: N/A Mar 15, 2002

Identified By: NRC

Item Type: FIN Finding

INADEQUATE CORRECTIVE ACTION TO RESOLVE PERSONAL HOME ALERTING DEVICE MAINTENANCE AND TESTING DEFICIENCIES

The inspectors identified an issue related to the adequacy of corrective actions regarding the PHADs. In a 1998 audit, the licensee had identified that there was no procedure to formalize PHAD maintenance and testing. In a subsequent audit, it was determined that the 1998 audit finding had been closed without addressing the issue. The licensee then developed a procedure to address the initial issue, however, the audit and corrective actions were narrowly focused on adequacy of documentation of PHAD testing but did not consider overall PHAD operability. Inspection Report# : [2002003\(pdf\)](#)

Occupational Radiation Safety

Public Radiation Safety

Physical Protection

Miscellaneous

Last modified : March 25, 2003