

PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION

(815) 357-6761

- I. LER NUMBER: 82-134/03X-1
- II. LaSalle County Station: Unit 1
- III. DOCKET NUMBER: 050-373
- IV. EVENT DESCRIPTION:

Technical Specification 3.6.5.1 requires the pressure within the Secondary Containment to be less than or equal to 0.25 inches of vacuum water gage. On 10/21/82 it was noticed that the reactor building ventilation system would not maintain the required reactor building pressure. The stand by gas treatment system was started which promptly brought the reactor building pressure within specification. Meanwhile the instrument mechanics made adjustments to the differential pressure controller #1PDC-VR007 in an attempt to maintain reactor building pressure without the aid of the standby gas treatment system. It was noticed later however, that the supply fan discharge check valve #1VR01YB was stuck closed and could have been the source of the problem in the first place. Consequently, supply fan 1VR01C was started and 1VR01CB was secured which enabled the reactor building ventilation system to maintain secondary containment pressure within specification.

V. PROBABLE CONSEQUENCES:

The reactor building ventilation system has three supply and three exhaust fans of which, only two of each are used for normal operation. This leaves one fan of each, to be used as backup in the event of a loss of one of the fans in operation. In addition, the standby gas treatment system can also be used to maintain reactor building negative pressure. Safe operation of the plant was maintained at all times.

VI. CAUSE:

Inadequate Secondary Containment pressure was a result of all of the blades on the 1VR01CB supply fan being broken off.

VII. CORRECTIVE ACTION:

Immediate corrective action was taken by starting the standby gas treatment which brought the Secondary Containment pressure within specification. Backup supply fan #1VR01CC was later started so that Secondary Containment pressure could be maintained without the aid of standby gas treatment. Work Request #19955 was written to repair the stuck damper #1VR01YB but the mechanics found nothing wrong with the damper. It was not until access to the supply fan room was allowed that all the blades on the 1VR01CB fan were discovered to have broken off. Sections of the blades have been sent to SMAD for analysis to try and determine the cause of failure. New fan blades are being installed. The fans were manufactured by the Joy Manufacturing Co. A.I.R. 1-83-31 written to follow.

Prepared by: K. Wittenburg