



- I. LER NUMBER: 82-167/03L-0
- II. LASALLE COUNTY STATION: Unit 1
- III. DOCKET NUMBER: 050-373
- IV. EVENT DESCRIPTION:

Technical Specification 3.3.7.5 requires the drywell oxygen monitoring channels to be operable during conditions 1&2. On 12/1/82 the system failure alarm came up in the Control Room which resulted from a local low cal gas pressure alarm. Also, the Div II post LOCA oxygen channel began reading erratically in a manner similar to a previous occurrence described in LER #82-148/03L-0 and 82-139/03L-0. The Div II channel was subsequently declared inoperable.

- V. PROBABLE CONSEQUENCES:

At the time of the occurrence, LSCS was at 1474 MWT and 450 MWE. The drywell was not inerted with nitrogen since inerting is not required for the present phase of the startup test program (Re: special test exemption 10.3.5) the Div I oxygen channel remained fully operable at all times. Safe operation of the plant was maintained.

- VI. CAUSE:

The system failure alarms came up as a result of low calibration gas bottle pressure. Presently these bottles are not routinely monitored for replacement on low level.

The erratic oxygen reading resulted from a faulty analyzing cell which failed to accurately measure the oxygen concentration in the sample gas. It is also suspected that the sample flow regulator was defective thereby disrupting the flow metering of the sample and reagent gas flows through the analyzing cell. The combined effects resulted in false indication in the control room.

- VII. CORRECTIVE ACTION:

Work Request #L20834 was written to troubleshoot and repair the system. Immediate action was taken to clear the alarms by replacing the calibration gas bottle. The calibration gas and reagent gas tanks will now be monitored under a general surveillance on a monthly basis to ensure that proper tank levels are maintained.

The faulty analyzing cell and flow regulator was replaced. The instrument was recalibrated in accordance with LIS-PC-07. The Div II post LOCA oxygen channel was declared operable on 12/1/82.

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