



**Commonwealth Edison**  
LaSalle County Nuclear Station  
Rural Route #1, Box 220  
Marseilles, Illinois 61341  
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October 13, 1989

Director of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, D.C. 20555

**SUBJECT:** COMMONWEALTH EDISON LASALLE COUNTY STATION UNITS 1 AND 2  
QUARTERLY REPORT ON STATIC-O-RING (SOR) FAILURES

**REFERENCE:** (a) W.E. Morgan letter to U.S. NRC dated February 6, 1989,  
Requesting Relief from Static "O" Ring Reportability.  
(b) P.C. Shemanski letter to T.J. Kovach dated June 20, 1989,  
transmitting Approval of Static "O" Ring Reportability  
Request.  
(c) W.E. Morgan letter to Dr. T.E. Murley, U.S. NRC, dated July  
3, 1989, Clarifying Static "O" Ring Reports.

Reference (a) requested relief from 10CFR50.72 Notification and 10CFR50.73 Reporting requirements of NRC IE Bulletin 86-02 regarding Static "O" Ring (SOR) Differential Pressure Switches. Reference (b) granted approval of this request and reference (c) clarified the reporting requirements to a quarterly summary report.

In accordance with reference (b) and (c), the attached SOR dp Switch Failure Data Sheets are enclosed for failures which occurred during the 3rd quarter of 1989. There were 2 SOR dp switch failures during this quarter.

*WR. Am*  
for G.J. Diederich  
Station Manager  
LaSalle County Station

GJD/DRR/jdp

Enclosure

cc: NRR Project Manager  
NRC Region III Administrator  
NRC Resident Inspector  
Nuclear Licensing Administrator

ZCADTS/89

8910190165 891013  
PDR ADOCK 05000373  
PDC

*Hook*

SOR dp Switch Failure Data Sheet

Equipment Piece Number: 2B21-N038A Model Number: 103-AS-B212-NX-JJTTX6

Serial Number: 87-4-1729

Application: Unit 2 REACTOR VESSEL LOW WATER LEVEL CONFIRMED ADS

Date and Time of Discovery: 08/24/89 1400 hours

Reactor Mode: 1 (RUN) Power Level: 100%

Calibration Tolerance: 58.4-59.4"WC

Nominal Setpoint: 58.9"WC

Action Limits: < 56.1 or > 51.7"WC

Reject Limits: < 56.0 or > 61.8"WC

Technical Specification

Limit: 64.84"WC

As Found Setpoint: 62.3"WC

Date and Time of Return to Service: 08/24/89 2355 hours

Model Number of Replacement Switch: 103-AS-B212-NX-JJTTX6

Serial Number of Replacement Switch: 89-1-1814R

Cause: Setpoint Drift - cause for drift could not be determined from inspection.

Corrective Action: Replaced switch and inspected failed switch.

Deviation Report 1-2-89-036

SOR dp Switch Failure Data Sheet

Equipment Piece Number: 1E31-N012BE Model Number: 103-AS-B203-NX-JJTTX6

Serial Number: 86-6-2519

Application: Unit 1 RHR SHUTDOWN COOLING HIGH SUCTION FLOW ISOLATION ALARM SWITCH

Date and Time of Discovery: 07/05/89 1850 hours

Reactor Mode: 1 (RUN) Power Level: 87%

Calibration Tolerance: 167.4-169.4"WC

Nominal Setpoint: 168.4"WC

Action Limits: <163.0 or >173.8"WC

Reject Limits: <158.8 or >178.0"WC

Technical Specification

Limit: >/= 186.0"WC

As Found Setpoint: N/A "WC

Date and Time of Return to Service: 07/06/89 1530 hours

Model Number of Replacement Switch: 103-AS-B203-NX-JJTTX6

Serial Number of Replacement Switch: 88-6-120

Cause: 1/4" rip in diaphragm between outside diameter of cylinder disk and O-ring sealing surface.

Corrective Action: Replaced switch and inspected failed switch.

Deviation Report 1-1-89-063