

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 7 3	PAGE(S) 1 OF 03
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TITLE (4)
Potential Failure of Safety Related Battery Racks

EVENT DATE (5)				LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES			DOCKET NUMBER(S)
11	20	84	84	08	0	12	17	84	LaSalle County Unit 2			0 5 0 0 0 3 7 -
												0 5 0 0 0

OPERATING MODE (9) 4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5 (Check one or more of the following) (11)									
POWER LEVEL (10) 000	20.402(b)	20.408(e)	80.73(a)(2)(iv)	73.71(b)						
	20.408(a)(1)(i)	80.36(a)(1)	80.73(a)(2)(v)	73.71(c)						
	20.408(a)(1)(ii)	80.36(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
	20.408(a)(1)(iii)	80.73(a)(2)(i)	80.73(a)(2)(vii)(A)							
	20.408(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)							
	20.408(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(viii)							
	20.408(a)(1)(vi)	80.73(a)(2)(iv)	80.73(a)(2)(ix)							

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER
NAME Jeff Nagel, extension 469	AREA CODE 8153	NUMBER 57-6761

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																					
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC												
B	E	J	B	T	R	Y	G	1	9	2	N										

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On November 20, 1984, at 1710 the seismic analysis of Gould batteries was declared invalid due to excessive gaps between the end battery cells and the battery racks. The Unit 1 and 2 Division I, II, 125 volt DC and 250 volt DC batteries were declared inoperative. A Generating Station Emergency Plan (GSEP), Site Alert was initiated and Unit 2 Shutdown was continued. (Refer to LER 374/84-076-00 for a discussion of Shutdown in progress.)

The gaps were reduced to the specified tolerance using sheets of fire retardant plywood. Station Nuclear Engineering Department and the vendor, Gould Inc., determined that this will restore the batteries' operability with respect to seismic design requirements. Repairs were completed and GSEP exited at approximately 2000 hours.

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT (if more space is required, use additional NRC Form 366A s) (17)

I. EVENT DESCRIPTION

On November 20, 1984, at 1710, the seismic analysis of Unit 1 and 2, Div. I and II, 125 volt DC and 250 volt DC, Gould Batteries (EJ) was declared invalid. Gaps between the battery cells and the battery rack end stringers of greater than one-quarter inch, could not be concluded to be acceptable or unacceptable based on vendor seismic testing. Calculations performed by architect engineer, Sargent and Lundy, indicated that the batteries could slide in the rack if not restrained by the end stringers. The batteries were declared inoperable, and Generating Station Emergency Plan (GSEP), Site Alert was initiated. Unit 2 was already in the process of reducing power, and this shutdown was continued. (Refer to LER 374/84-076-00, "Main Turbine Bypass Valve Inoperable".) Unit 1 was in Cold Shutdown

The NRC Resident Inspector was notified initially and 10CFR50.72 Red Phone Notification was made at 1755.

II. CAUSE

The cause of the excessive gaps was initial construction. The battery rack dimensions per the vendor drawings did not specify a maximum gap between the battery cells and rack end stringers. Seismic testing by the vendor with one-quarter inch gaps used a higher acceleration value than LaSalle's seismic requirement. Therefore, the vendor could not conclude acceptability or unacceptability of gaps greater than one-quarter inch.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

This occurrence had no significant impact on the plant.

IV. CORRECTIVE ACTION

The gaps were reduced to the specified tolerance using sheets of fire retardant plywood. Station Nuclear Engineering Department and the vendor, Gould, Inc., determined that this would restore the batteries' operability with respect to seismic requirements. This configuration was actually used in the vendor's seismic test.

Repairs were completed and GSEP exited at approximately 2000 hours.

The following modifications were issued to devise a long-term solution:

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		84	080	000	3	OF	03

TEXT (If more space is required, use additional NRC Form 386A's) (17)

IV. CORRECTIVE ACTION (CONTINUED)

<u>MOD. NO.</u>	<u>BATTERY EPN</u>	<u>SERVICE</u>
M-1-1-84-124	1DC14E	Unit 1, Div. II, 125 VDC
M-1-1-84-125	1DC07E	Unit 1, Div. I, 125 VDC
M-1-1-84-126	1DC01E	Unit 1, 250 VDC
M-1-2-84-174	2DC14E	Unit 2, Div. II, 125 VDC
M-1-2-84-175	2DC07E	Unit 2, Div. I, 125 VDC
M-1-2-84-176	2DC01E	Unit 2, 250 VDC

V. PREVIOUS OCCURRENCES

None.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Jeff Nagel, 815/357-6761, extension 469.



Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

December 17, 1984

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Dear Sir:

Reportable Occurrence Report #84-080-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

for R. D. Bulys
G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

xc: NRC, Regional Director
INPO-Records Center
File/NRC

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