



Entergy Nuclear Operations, Inc.
Palisades Nuclear Plant
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February 21, 2008

10 CFR 50.73(a)(2)(i)(B)

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Palisades Nuclear Plant
Docket 50-255
License No. DPR-20

Licensee Event Report 07-010, Technical Specification Action Requirements Not Met
for Battery Cell Parameter Outside Allowable Limits

Dear Sir or Madam:

Licensee Event Report (LER) 07-010 is enclosed. The LER describes the failure to recognize that a battery cell parameter was not within Technical Specification (TS) limits. As a result, the associated TS action requirements were not met. The occurrence is reportable in accordance with 10 CFR 50.73(a)(2)(i)(B).

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

Christopher J. Schwarz *AKMINSON CJSCHWARZ*
Site Vice President
Palisades Nuclear Plant

Enclosure (1)

CC Administrator, Region III, USNRC
Project Manager, Palisades, USNRC
Resident Inspector, Palisades, USNRC

ENCLOSURE 1

LER 07- 010

**Technical Specification Action Requirements
Not Met for Battery Cell Parameter Outside Allowable Limits**

3 Pages Follow

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

Estimated burden per response to comply with this mandatory information collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

1. FACILITY NAME PALISADES NUCLEAR PLANT	2. DOCKET NUMBER 05000255	3. PAGE 1 OF 3
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4. TITLE
Technical Specification Action Requirements Not Met for Battery Cell Parameter Outside Allowable Limits

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
12	27	2007	2007	010	00	02	21	2008	FACILITY NAME	DOCKET NUMBER

9. OPERATING MODE 1	11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)			
10. POWER LEVEL 100	<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 20.2203(a)(3)(i)	<input type="checkbox"/> 50.73(a)(2)(i)(C)	<input type="checkbox"/> 50.73(a)(2)(vii)
	<input type="checkbox"/> 20.2203(a)(2)(i)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)
	<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(ii)(B)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)
	<input type="checkbox"/> 20.2203(a)(2)(iii)	<input type="checkbox"/> 50.36(c)(1)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)
	<input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 50.73(a)(2)(x)
	<input type="checkbox"/> 20.2203(a)(2)(v)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(v)(A)	<input type="checkbox"/> 73.71(a)(4)
	<input type="checkbox"/> 20.2203(a)(2)(vi)	<input type="checkbox"/> 50.46(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(v)(B)	<input type="checkbox"/> 73.71(a)(5)
	<input type="checkbox"/> 20.2203(a)(2)(vii)	<input type="checkbox"/> 50.73(a)(2)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(v)(C)	<input type="checkbox"/> OTHER Specify in Abstract below or in NRC Form 366A
	<input checked="" type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(v)(D)		

12. LICENSEE CONTACT FOR THIS LER

FACILITY NAME Daniel G. Malone	TELEPHONE NUMBER (Include Area Code) (269) 764-2463
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13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX
X	EJ	BTRY	C173	N					

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

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)

On December 27, 2007, during the performance of Technical Specification (TS) surveillance testing of the main station batteries, the float voltage of battery cell 43 on the right train station battery was found to be below the allowable TS limit for this parameter. However, at the time of this discovery, it was not recognized that the parameter was actually below the specified TS battery cell limit. Subsequently, on December 28, 2007, during review of the surveillance data and discussion with members of the electrical maintenance department who had performed the surveillance, an on-duty senior reactor operator recognized the low reading for battery cell 43. The delay of over 24 hours in recognizing that battery cell 43 float voltage was below the TS limit for this parameter resulted in not meeting the TS completion time for required actions in accordance with TS 3.8.6.A and TS 3.8.6.B, that were applicable from the initial discovery time.

The failure of the electrical maintenance crew to initially recognize that the battery cell 43 voltage was below the TS limit was attributed to an inadequate pre-job brief. Pre-job brief performance expectations will be re-iterated to maintenance personnel.

This occurrence is reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications.

**LICENSEE EVENT REPORT (LER)
CONTINUATION SHEET**

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EVENT DESCRIPTION

On December 27, 2007, during the performance of Technical Specification (TS) surveillance testing of the main station batteries [BTRY;EJ], the float voltage of battery cell 43 on the right train station battery was found to be below the allowable TS limit for this parameter. The float voltage allowable limit for each connected cell is >2.07 V. The battery cell 43 float voltage was measured at 2.058 V.

However, at the time of this discovery, it was not recognized that the parameter was actually below the specified TS battery cell limit. Subsequently, on December 28, 2007, during review of the surveillance data and discussion with members of the electrical maintenance department who had performed the surveillance, an on-duty senior reactor operator recognized the low reading for battery cell 43. The appropriate TS actions were referenced for this condition, resulting in declaring the right train station battery inoperable.

The delay of over 24 hours in recognizing that battery cell 43 float voltage was below the TS limit for this parameter resulted in not meeting the TS completion time for required actions in accordance with TS 3.8.6.A and TS 3.8.6.B, that were applicable from the initial discovery time.

Ultimately, the required action to immediately declare the right train station battery inoperable was not met. Additionally, with the right train station battery inoperable, TS 3.8.4.B requires a verification that both the directly connected and cross-connected battery chargers [BYC;EJ] are supplying power to the affected train with a completion time of 2 hours, and that the station battery be restored to operable status within 24 hours. With these required actions and associated completion times not met, the required actions of TS 3.8.4.C requiring Mode 3 entry in 6 hours and Mode 5 entry in 36 hours were also not met.

This occurrence is reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications.

CAUSE OF THE EVENT

Battery cell 43 experienced a sudden random failure without indication of a prior adverse trend.

The failure of the electrical maintenance crew to initially recognize that the battery cell 43 voltage was below the TS limit was attributed to an inadequate pre-job brief that did not review acceptance criteria details, or required actions if acceptance criteria were not met. Additionally, neither the supervisor nor involved engineer attended the pre-job brief, and they also failed to recognize that battery cell 43 voltage was below the TS limit.

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CORRECTIVE ACTIONS

Battery cell 43 was replaced. The failed battery cell 43 will be analyzed to confirm the failure mode.

Pre-job brief performance expectations will be re-iterated to maintenance personnel. Enhanced pre-job brief attendance expectations will be established.

SAFETY SIGNIFICANCE

The event is considered to be of very low safety significance. The overall battery capacity for the right train station battery was assessed and determined to have sufficient margin to meet design basis loading assumptions even if zero credit is taken for battery cell 43.

The plant remained at 100% power throughout the incident.

PREVIOUS SIMILAR EVENTS

None