

Industry/TSTF Standard Technical Specification Change Traveler

Battery Cell Parameters (LCO 3.8.6) includes more than Table 3.8.6-1 limits

Priority/Classification 1) Correct Specifications

NUREGs Affected: 1430 1431 1432 1433 1434

Description:

LCO 3.8.6 is revised to require that battery cell parameters be "within limits." The reference to "Table 3.8.6-1" was deleted. Additionally, changes are made to the Actions Table to make the references to the Table 3.8.6-1 Category A, B, and C limits consistent.

Justification:

LCO 3.8.6 requires the cell parameters for the batteries to be within the limits specified in Table 3.8.6-1. This requirement is not inclusive of all the limits specified in the applicable SRs. In addition to the limits specified in Table 3.8.6-1, a limit regarding the average electrolyte temperature is contained within a SR. Therefore, the STS LCO is in conflict with the SR requirements. LCO 3.8.6 was revised to require the battery cell parameters to be within limits. This change resolves the conflict between the LCO and SRs.

Additionally, the references in the Actions Table to the Table 3.8.6-1 Category A, B, and C limits were made consistent.

These changes do not impact the requirements of the Technical Specifications.

Revision History

OG Revision 0

Revision Status: Active

Next Action: NRC

Revision Proposed by: Robinson

Revision Description:
Original Issue

Owners Group Review Information

Date Originated by OG: 19-Aug-97

Owners Group Comments
(No Comments)

Owners Group Resolution: Approved Date: 19-Aug-97

TSTF Review Information

TSTF Received Date: 20-Nov-97 Date Distributed for Review 06-Jan-98

OG Review Completed: BWOG WOG CEOG BWROG

TSTF Comments:

Applicable to all OGs. Expand justification and description regarding need for change.
Note editorial change faxed to office and in WOG-116 file.

TSTF Resolution: Approved Date: 05-Feb-98

Incorporation Into the NUREGs

File to BBS/LAN Date:

TSTF Informed Date:

TSTF Approved Date:

5/13/98

NUREG Rev Incorporated:

Affected Technical Specifications

LCO 3.8.6 Battery Cell Parameters

Action 3.8.6.A Battery Cell Parameters

Action 3.8.6.B Battery Cell Parameters

5/13/98

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3.8 ELECTRICAL POWER SYSTEMS

3.8.6 Battery Cell Parameters

LCO 3.8.6 Battery cell parameters for the Train A and Train B batteries shall be within ~~the~~ limits ~~of Table 3.8.6-1~~.

APPLICABILITY: When associated DC electrical power subsystems are required to be OPERABLE.

ACTIONS

-----NOTE-----
Separate Condition entry is allowed for each battery.

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A. One or more batteries with one or more battery cell parameters not within Category A or B limits.</p> <p>Table 3.8.6-1</p>	<p>A.1 Verify pilot cell[s] electrolyte level and float voltage meet Table 3.8.6-1 Category C values.</p> <p>AND</p>	<p>1 hour</p>
	<p>A.2 Verify battery cell parameters meet Table 3.8.6-1 Category C values.</p> <p>AND</p>	<p>24 hours</p> <p>AND</p> <p>Once per 7 days thereafter</p>
	<p>A.3 Restore battery cell parameters to Category A and B limits of Table 3.8.6-1.</p>	<p>31 days</p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. Required Action and associated Completion Time of Condition A not met.</p> <p><u>OR</u></p> <p>One or more batteries with average electrolyte temperature of the representative cells < [60]°F.</p> <p><u>OR</u></p> <p>One or more batteries with one or more battery cell parameters not within Category C values.</p> <p>→ <u>Table 3.8.6-1</u></p>	<p>B.1 Declare associated battery inoperable.</p>	<p>Immediately</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.8.6.1 Verify battery cell parameters meet Table 3.8.6-1 Category A limits.</p>	<p>7 days</p>

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3.8 ELECTRICAL POWER SYSTEMS

3.8.6 Battery Cell Parameters

LCO 3.8.6 Battery cell parameters for Train A and Train B batteries shall be within ~~the~~ limits of ~~Table 3.8.6-1~~.

APPLICABILITY: When associated DC electrical power subsystems are required to be OPERABLE.

ACTIONS

-----NOTE-----
Separate Condition entry is allowed for each battery.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more batteries with one or more battery cell parameters not within Category A or B limits. (Table 3.8.6-1)	A.1 Verify pilot cell[s] electrolyte level and float voltage meet Table 3.8.6-1 Category C limits. AND	1 hour
	A.2 Verify battery cell parameters meet Table 3.8.6-1 Category C limits. AND	24 hours AND Once per 7 days thereafter
	AND A.3 Restore battery cell parameters to Category A and B limits of (Table 3.8.6-1).	31 days

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ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. Required Action and associated Completion Time of Condition A not met.</p> <p><u>OR</u></p> <p>One or more batteries with average electrolyte temperature of the representative cells < [60]°F.</p> <p><u>OR</u></p> <p>One or more batteries with one or more battery cell parameters not within Category C values.</p> <p><u>Table 3.8.6-1</u></p>	<p>B.1 Declare associated battery inoperable.</p>	<p>Immediately</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.8.6.1 Verify battery cell parameters meet Table 3.8.6-1 Category A limits.</p>	<p>7 days</p>

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3.8 ELECTRICAL POWER SYSTEMS

3.8.6 Battery Cell Parameters

LCO 3.8.6 Battery cell parameters for the Train A and Train B batteries shall be within the limits ~~of Table 3.8.6-1.~~

APPLICABILITY: When associated DC electrical power subsystems are required to be OPERABLE.

ACTIONS

-----NOTE-----
Separate Condition entry is allowed for each battery.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more batteries with one or more battery cell parameters not within Category A or B limits. (Table 3.8.6-1)	A.1 Verify pilot cell[s] electrolyte level and float voltage meet Table 3.8.6-1 Category C limits. AND	1 hour
	A.2 Verify battery cell parameters meet Table 3.8.6-1 Category C limits. AND	24 hours AND
	A.3 Restore battery cell parameters to Category A and B limits of (Table 3.8.6-1).	Once per 7 days thereafter 31 days

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ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. Required Action and associated Completion Time of Condition A not met.</p> <p><u>OR</u></p> <p>One or more batteries with average electrolyte temperature of the representative cells < [60]*F.</p> <p><u>OR</u></p> <p>One or more batteries with one or more battery cell parameters not within Category C values.</p> <p><u>Table 3.8.6-1</u></p>	<p>B.1 Declare associated battery inoperable.</p>	<p>Immediately</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.8.6.1 Verify battery cell parameters meet Table 3.8.6-1 Category A limits.</p>	<p>7 days</p>

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3.8 ELECTRICAL POWER SYSTEMS

3.8.6 Battery Cell Parameters

LCO 3.8.6 Battery cell parameters for the [station service and DG] batteries shall be within ~~the~~ limits ~~of Table 3.8.6-1~~.

APPLICABILITY: When associated DC electrical power subsystems are required to be OPERABLE.

ACTIONS

-----NOTE-----
Separate Condition entry is allowed for each battery.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more batteries with one or more battery cell parameters not within Category A or B limits. (Table 3.8.6-1)	A.1 Verify pilot cell[s] electrolyte level and float voltage meet Table 3.8.6-1 Category C limits.	1 hour
	AND A.2 Verify battery cell parameters meet Table 3.8.6-1 Category C limits.	24 hours AND Once per 7 days thereafter
	AND A.3 Restore battery cell parameters to Category A and B limits of (Table 3.8.6-1).	31 days

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ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. Required Action and associated Completion Time of Condition A not met.</p> <p><u>OR</u></p> <p>One or more batteries with average electrolyte temperature of the representative cells not within limits.</p> <p><u>OR</u></p> <p>One or more batteries with one or more battery cell parameters not within Category C values.</p> <p><u>Table 3.8.6-1</u></p>	<p>B.1 Declare associated battery inoperable.</p>	<p>Immediately</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.8.6.1 Verify battery cell parameters meet Table 3.8.6-1 Category A limits.</p>	<p>7 days</p>

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3.8 ELECTRICAL POWER SYSTEMS

3.8.6 Battery Cell Parameters

LCO 3.8.6 Battery cell parameters for the [Division 1, 2, and 3] batteries shall be within ~~the~~ limits ~~of~~ Table 3.8.6-1.

APPLICABILITY: When associated DC electrical power subsystems are required to be OPERABLE.

ACTIONS

-----NOTE-----
Separate Condition entry is allowed for each battery.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more batteries with one or more battery cell parameters not within Category A or B limits. <u>Table 3.8.6-1</u>	A.1 Verify pilot cell[s] electrolyte level and float voltage meet Table 3.8.6-1 Category C limits. <u>AND</u>	1 hour
	A.2 Verify battery cell parameters meet Table 3.8.6-1 Category C limits. <u>AND</u>	24 hours Once per 7 days thereafter
	<u>AND</u> A.3 Restore battery cell parameters to Category A and B limits of <u>Table 3.8.6-1</u> .	31 days

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ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. Required Action and associated Completion Time of Condition A not met.</p> <p><u>OR</u></p> <p>One or more batteries with average electrolyte temperature of the representative cells < [60]°F.</p> <p><u>OR</u></p> <p>One or more batteries with one or more battery cell parameters not within Category C values.</p> <p>Table 3.8.6-1</p>	<p>B.1 Declare associated battery inoperable.</p>	<p>Immediately</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.8.6.1 Verify battery cell parameters meet Table 3.8.6-1 Category A limits.</p>	<p>7 days</p>

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