

## Branch Evaluation, Plan & Recommendation

Allegation Number: RIV-2010-A-0190

|                              |                          |                     |            |
|------------------------------|--------------------------|---------------------|------------|
| Concern: 1.                  |                          |                     |            |
| *RX Code or Functional Area: | Maintenance - Electrical | OI Case No.:        | 4-20XX-0XX |
| *Discipline:                 | Electrical               | *OI Priority:       |            |
| *Security Category:          |                          | *OI Priority Basis: |            |

**Concern:** (A concern is one or two sentences.)  
 Sometime after 2008, the work packages for 125Vdc bus/breaker cleaning and inspections were modified such that the line side of the battery breakers was no longer de-energized. As a result, this preventive maintenance item no longer verified that the battery breaker line side bolts are properly torqued.

**Concern Background, Supporting Information, & Comments**  
 Previous work packages (example Order NRME 800049974 dated October 27, 2008) required workers to check both line and load side torque values of bolts on the battery breaker with specific steps. Work packages written after 2008 state in the "Description" section to "totally de-energize for complete cleaning and checking torque tightness of breaker bolted connections to the DC bus," but do not have steps to accomplish this task. The torque values on the line side cannot be checked while energized due to personnel hazards.

**Regulatory Requirement** (fill in below)  
 10 CFR 50 Appendix B, Criterion V

**Describe the concern's safety significance.** (fill in below - REQUIRED)  
 Not an immediate safety concern. The torque checks were completed in 2008 for all breakers, and are normally completed on a 3-cycle frequency.

Check each question as applicable to this concern.

|   |   |
|---|---|
| X | Is it a declaration, statement, or assertion of impropriety or inadequacy? Is there a potential deficiency? |
| X | Is the impropriety or inadequacy associated with NRC regulated activities or policy (e.g. SCWE)?            |
| X | Is the validity of the issue unknown?   |

If all of the above statements are checked, the issue is an allegation.

**\*Technical Staff Recommendation(s)**

| Date     | Recommended Action | Assigned Branch | Planned Date |
|----------|--------------------|-----------------|--------------|
| 11/23/10 | EB2 Inspect        | EB2             | 1/31/11      |
|          |                    |                 |              |

**NOTE: Submit Draft NOV, RFI questions/requests, and/or an inspection plan as a separate document.**

★ For an ARB decision to RFI, any INHIBITING FACTOR(S) that are overruled from the first page must have a justification documented in the ARB Decision(s). Document INHIBITING FACTOR(S) that not applicable to the concern or are not noted on first page. First page reviewed? Yes: No: N/A:

| ARB Date | ARB Decision(s) | Assigned to | Accepted Planned Date |
|----------|-----------------|-------------|-----------------------|
| 12/07/10 | EB2 Inspect     | EB2         | 1/31/11               |
|          |                 |             |                       |
|          |                 |             |                       |

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Information in this record was deleted in accordance with the Freedom of Information Act, exemptions FOIA- b(1) - (b)(7) - (b)(7)(C)

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| Branch Evaluation, Plan & Recommendation  |   |                     |                       |
|---|---|---------------------|-----------------------|
| Allegation Number: RIV-2010-A-0190  |   |                     |                       |
| Concern: 2.   |   |                     |                       |
| *RX Code or Functional Area:  | Maintenance - Electrical  | OI Case No.:        | 4-20XX-0XX            |
| *Discipline:  | Corrective Action   | *OI Priority:       |                       |
| *Security Category:   |   | *OI Priority Basis: |                       |
| <b>Concern:</b> (A concern is one or two sentences.)  |   |                     |                       |
| Nuclear Notification (b)(7)(C) identified suspect connections on battery breakers 2D203 and 2D206. Three bolts exhibited slight motion when checked at full torque value. These instances were not tracked in the Electrical Component Health Report as specified in Nuclear Notification (b)(7)(C) |   |                     |                       |
| <b>Concern Background, Supporting Information, &amp; Comments</b>   |   |                     |                       |
| The Electrical Component Health Reports for 1Q10 and 2Q10 contain 12 suspect connections. The 2Q10 report listed Nuclear Notifications, which did not include the Nuclear Notification (b)(7)(C) examples. The 8 examples in the 1Q10 report do not appear to include these examples.               |   |                     |                       |
| <b>Regulatory Requirement</b> (fill in below)   |   |                     |                       |
| None  |   |                     |                       |
| <b>Describe the concern's safety significance.</b> (fill in below - REQUIRED)   |   |                     |                       |
| This concern addressed tracking documentation only.   |   |                     |                       |
| Check each question as applicable to this concern.  |   |                     |                       |
|   | Is it a declaration, statement, or assertion of impropriety or inadequacy? Is there a potential deficiency? |                     |                       |
| X   | Is the impropriety or inadequacy associated with NRC regulated activities or policy (e.g. SCWE)?            |                     |                       |
| X   | Is the validity of the issue unknown?   |                     |                       |
| If all of the above statements are checked, the issue is an allegation.   |   |                     |                       |
| <b>*Technical Staff Recommendation(s)</b>   |   |                     |                       |
| Date  | Recommended Action  | Assigned Branch     | Planned Date          |
| 11/23/10  | Refer to licensee for information only.   | ACES                |                       |
| <b>NOTE: Submit Draft NOV, RFI questions/requests, and/or an inspection plan as a separate document.</b>  |   |                     |                       |
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| ARB Date  | ARB Decision(s)   | Assigned to         | Accepted Planned Date |
| 12/07/10  | Refer to licensee for information only  | EB2                 |                       |
| 12/07/10  | Provide closure basis   | EB2                 |                       |

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**Branch Evaluation, Plan & Recommendation**

Allegation Number: RIV-2010-A-0190

Concern: 3.

|                              |                          |                     |            |
|------------------------------|--------------------------|---------------------|------------|
| *RX Code or Functional Area: | Maintenance - Electrical | OI Case No.:        | 4-20XX-0XX |
| *Discipline:                 | Electrical               | *OI Priority:       |            |
| *Security Category:          |                          | *OI Priority Basis: |            |

**Concern:** (A concern is one or two sentences.)

Work Order NRME 800369795 contains a technically incorrect step to perform thermography on DC vital bus panel 2D2, because that panel will be de-energized.

Concern Background, Supporting Information, & Comments

Step 2.3.1 of this work order states to use WO 800500220 for Test Techs to perform thermography after completion of the clean/inspect of panel. The work order is confusing and the CI believes that thermography is performed prior to restoring power to the panel.

Regulatory Requirement (fill in below)

10 CFR 50 Appendix B, Criterion V

Describe the concern's safety significance. (fill in below - REQUIRED)

Not an immediate safety concern

Check each question as applicable to this concern.

|   |   |
|---|---|
| X | Is it a declaration, statement, or assertion of impropriety or inadequacy? Is there a potential deficiency? |
| X | Is the impropriety or inadequacy associated with NRC regulated activities or policy (e.g. SCWE)?            |
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| Date     | Recommended Action | Assigned Branch | Planned Date |
|----------|--------------------|-----------------|--------------|
| 11/23/10 | EB2 Inspect        | EB2             | 1/31/11      |
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| Allegation Number: RIV-2010-A-0190   |   |                     |                       |
| Concern: 4.  |   |                     |                       |
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| *Discipline:   | Electrical  | *OI Priority:       |                       |
| *Security Category:  |   | *OI Priority Basis: |                       |
| <b>Concern:</b> (A concern is one or two sentences.)   |   |                     |                       |
| There is no specific step to check the torque for battery breaker bolts in NRME 800369795 (clean and inspect DC switchboard 3D3)   |   |                     |                       |
| <u>Concern Background, Supporting Information, &amp; Comments</u>  |   |                     |                       |
| The work instructions contain a note to ensure all electrical connections are tightened IAW SO123-1-9.26, but there is not a work step to do so. The CI believes this would constitute a critical work step.   |   |                     |                       |
| <u>Regulatory Requirement</u> (fill in below)  |   |                     |                       |
| 10 CFR 50 Appendix B, Criterion V; 10 CFR 50 Appendix B, Criterion III   |   |                     |                       |
| <u>Describe the concern's safety significance.</u> (fill in below - REQUIRED)  |   |                     |                       |
| Not an immediate safety concern  |   |                     |                       |
| Check each question as applicable to this concern.   |   |                     |                       |
| X  | Is it a declaration, statement, or assertion of impropriety or inadequacy? Is there a potential deficiency? |                     |                       |
| X  | Is the impropriety or inadequacy associated with NRC regulated activities or policy (e.g. SCWE)?            |                     |                       |
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