

NRR-PMDAPEm Resource

From: Helen L Etheridge [hletheridge@aep.com]
Sent: Friday, January 31, 2014 11:15 AM
To: Wengert, Thomas
Cc: Danielle M Burgoyne
Subject: RE: D.C. Cook Unit 1 - Request for Clarification of the 2013 SG Tube Inspection Report (TAC No. MF3057)

Hi Tom,

Our response to the requested clarification is as follows:

Cook Response:

Proximity signals (three letter code "PRO") were detected on one steam generator. Steam generator 11 had eight indications on seven tubes. The three remaining steam generators did not have any proximity indications.

All of the proximity indications were examined with the +Point probe and were confirmed as tube-to-tube proximity with no associated degradation.

No correlation could be made between these indications and the identified wear degradation as:

- A +Point examination validated no wear was occurring at the location(s) of the proximity indication(s)
- Of the seven tubes with proximity indications:
 - Three tubes had no fan bar wear reported at any point on the tube
 - Three of the remaining four tubes had minor fan bar wear (4%-6%) from the same fan bar but at a different location than the proximity call. Two of these tubes also had fan bar wear (ranging from 5%-19%) from fan bars not associated with the proximity call.
 - The remaining tube had minor fan bar wear (6%) from a fan bar not associated with the proximity call.
- None of the tubes with proximity indications had lattice grid wear indications
- Proximity indications were only detected on one steam generator, whereas fan bar and lattice grid wear occurred on all four steam generators
- The fan bar wear indications in SG 11 (585 per our ML 13317A074 report) significantly outpaced the small number of tubes (7) with proximity indications

From: Wengert, Thomas [<mailto:Thomas.Wengert@nrc.gov>]
Sent: Friday, January 24, 2014 9:53 AM
To: Helen L Etheridge
Cc: Michael K Scarpello
Subject: D.C. Cook Unit 1 - Request for Clarification of the 2013 SG Tube Inspection Report (TAC No. MF3057)

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Helen,

By letter dated November 11, 2013 (ADAMS Accession No. ML13317A074), Indiana Michigan Power Co. (I&M) submitted the 2013 Steam Generator (SG) Tube Inspection Report for Donald C. Cook Nuclear Plant, Unit 1. The Nuclear Regulatory Commission staff is reviewing the report and requests I&M to clarify an item in the report as follows:

Please discuss whether any proximity signals were identified during the inspection. If so, how many indications were detected and is there any correlation between these indications and the wear at the fan bars and lattice grids?

The NRC staff plans to document your response in our final evaluation of the SG Tube Inspection Report. Please let me know if you would like to have a telecon with the NRC staff to clarify this request.

Tom Wengert
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NRR/DORL/LPL3-1
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Tracking Status: None
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