



May 29, 2008  
NRC:08:034

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

**Response to Fourth Request for Additional Information Regarding ANP-10272, "Software Program Manual for TELEPERM XS™ Safety Systems Topical Report" (TAC No. MD3971)**

- Ref. 1: Letter, Ronnie L. Gardner (AREVA NP Inc.) to Document Control Desk (NRC), "Request for Review and Approval of ANP-10272, 'Software Program Manual for TELEPERM XS™ Safety Systems Topical Report'," NRC:06:061, December 21, 2006.
- Ref. 2: Letter, Getachew Tesfaye (NRC) to Ronnie L. Gardner (AREVA NP Inc.), "AREVA NP, INC. - Fourth Request For Additional Information (RAI) Regarding ANP-10272, 'Software Program Manual for TELEPERM XS™ Safety Systems Topical Report [TR]' (TAC NO. MD3971)," May 7, 2008.
- Ref. 3: Letter, Getachew Tesfaye (NRC) to Ronnie L. Gardner (AREVA NP Inc.), "Third Request for Additional Information Regarding ANP-10272, 'Software Program Manual for TELEPERM XS™ Safety Systems Topical Report' (TAC No. MD3971)," August 31, 2007.
- Ref. 4: Letter, Getachew Tesfaye (NRC) to Ronnie L. Gardner (AREVA NP Inc.), "Second Request for Additional Information Regarding ANP-10272, 'Software Program Manual for TELEPERM XS™ Safety Systems Topical Report' (TAC No. MD3971)," June 22, 2007.
- Ref. 5: Letter, Getachew Tesfaye (NRC) to Ronnie L. Gardner (AREVA NP Inc.), "Request for Additional Information Regarding ANP-10272, 'Software Program Manual for TELEPERM XS™ Safety Systems Topical Report' (TAC No. MD3971)," April 27, 2007.
- Ref. 6: Letter, Ronnie L. Gardner (AREVA NP Inc.) to Document Control Desk (NRC), "Response to Third Request for Additional Information Regarding ANP-10272, 'Software Program Manual for TELEPERM XS™ Safety Systems Topical Report (TAC No. MD3971)'," NRC: 07:029, July 19, 2007.
- Ref. 7: Letter, Ronnie L. Gardner (AREVA NP Inc.) to Document Control Desk (NRC), "Response to Second Request for Additional Information Regarding ANP-10272, 'Software Program Manual for TELEPERM XS™ Safety Systems Topical Report (TAC No. MD3971)'," NRC: 07:056, October 26, 2007.
- Ref. 8: Letter, Ronnie L. Gardner (AREVA NP Inc.) to Document Control Desk (NRC), "Response to a Request for Additional Information Regarding ANP-10272, 'Software Program Manual for TELEPERM XS™ Safety Systems Topical Report (TAC No. MD3971)'," NRC: 07:020, May 22, 2007.

**AREVA NP INC.**  
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Ref. 9 Letter, Ronnie L. Gardner (AREVA NP Inc.) to Document Control Desk (NRC), "Follow-up Actions from December 19, 2007, NRC Audit of ANP-10272, 'Software Program Manual for TELEPERM XS™ Safety Systems Topical Report,' Program Implementation (TAC No. MD3971)," NRC:08:008, January 24, 2008.

Ref. 10: Letter, Getachew Tesfaye (NRC) to Ronnie L. Gardner (AREVA NP Inc.), "Acceptance for Review of U.S. EPR ANP-10272, 'Software Program Manual TELEPERM XS™ Safety Systems Topical Report' (TAC MD3971)," March 22, 2007.

Ref. 11: Letter, Getachew Tesfaye (NRC) to Sandra M. Sloan (AREVA NP Inc.), "AREVA NP INC. - U.S. EPR Standard Design Certification Application Review Schedule," March 26, 2008

AREVA NP Inc. (AREVA NP) requested the NRC's review and approval of topical report ANP-10272 Revision 0, "Software Program Manual for TELEPERM XS™ Safety Systems Topical Report," in Reference 1. A fourth request for additional information (RAI) was provided by the NRC in Reference 2. The response to this request is provided in Attachment A to this letter. Previous RAIs were provided by NRC in References 3, 4, and 5 and AREVA NP's responses to these RAIs were provided by References 6, 7, and 8. Additional information was provided in response to the follow-up actions from the December 19, 2007, NRC audit of ANP-10272 program implementation by Reference 9.

The NRC's acceptance letter (Reference 10) states that NRC expects to issue any additional RAIs by August 31, 2007 and a draft safety evaluation by December 31, 2007. The NRC updated the schedule projection for the draft safety evaluation to July 14, 2008 in Reference 11, based on an assumption that AREVA NP provides acceptable responses within 30 days of receipt of any RAIs. AREVA NP's response supports this schedule, based on its understanding of the agreements reached during the April 30, 2008 meeting and subsequent telephone call on May 6, 2008. AREVA NP will incorporate the changes identified in Attachment A in the approved version of the topical report.

If you have any questions related to this submittal, please contact Ms. Sandra M. Sloan, Regulatory Affairs Manager for New Plants Deployment. She may be reached by telephone at 434-832-2369 or by e-mail at [sandra.sloan@areva.com](mailto:sandra.sloan@areva.com).

Sincerely,



Ronnie L. Gardner, Manager  
Corporate Regulatory Affairs  
AREVA NP Inc.

Enclosure

cc: J. Rycyna  
G. Tesfaye  
Docket No. 52-020