

Greg Gibson  
Vice President, Regulatory Affairs

250 West Pratt Street, Suite 2000  
Baltimore, Maryland 21201



10 CFR 50.4  
10 CFR 52.79

February 9, 2009

UN#09-107

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

Subject: UniStar Nuclear Energy, NRC Docket No. 52-016  
Response to Request for Additional Information for the  
Calvert Cliffs Nuclear Power Plant, Unit 3,  
RAI No. 39, Revision 0, Data Communication Systems

References: 1) John Rycyna (NRC) to George Wrobel (UniStar), "RAI No. 39 ICE1  
1478.doc (P)" email dated December 8, 2008

The purpose of this letter is to respond to the request for additional information (RAI) identified in the NRC e-mail correspondence to UniStar Nuclear, dated December 8, 2008 (Reference 1). This RAI addresses Data Communication Systems, as discussed in Section 7.9 of the Final Safety Analysis Report (FSAR), as submitted in Part 2 of the CCNPP Unit 3 Combined License Application (COLA), Revision 3.

The enclosure provides our response to RAI No. 39, Revision 0, Question 07.09-1. Our response to does not include any new regulatory commitments and does not require revised COLA content.

If there are any questions regarding this transmittal, please contact me at (410) 470-4205, or Mr. Michael J. Yox at (410) 495-2436.

D079  
NRD

*I declare under penalty of perjury that the foregoing is true and correct.*

Executed on February 9, 2009

A handwritten signature in black ink, appearing to read 'Greg Gibson', written over a horizontal line.

Greg Gibson

Enclosure: Response to NRC Request for Additional Information, RAI No. 39, Revision 0,  
Data Communications Systems

cc: John Rycyna, NRC Project Manager, U.S. EPR COL Application  
Thomas Fredrichs, NRC Environmental Project Manager, U.S. EPR COL Application  
Getachew Tesfaye, NRC Project Manager, U.S. EPR DC Application (w/o enclosure)  
Loren Plisco, Deputy Regional Administrator, NRC Region II (w/o enclosure)  
Silas Kennedy, U.S. NRC Resident Inspector, CCNPP, Units 1 and 2  
U.S. NRC Region I Office

**Enclosure**

**Response to NRC Request for Additional Information, RAI No. 39, Revision 0  
Data Communication Systems**

**RAI No. 39, Revision 0**

**Question 07.09-1**

Provide information regarding how access control is implemented for safety systems.

The applicant's FSAR incorporates by reference Chapter 7 of the U.S. EPR FSAR, "Instrumentation and Controls," without any departures. The AREVA NP Topical Report ANP-10272, "Software Program Manual for TELEPERM XS™ Safety Systems Topical Report," is referenced in Section 7.1 U.S. EPR FSAR. This topical report states that COL applicants will provide information regarding the control of access outside the safety system and critical control systems. The topical report also states that "the TELEPERM XS system is classified as Class 1E for nuclear safety systems as defined by IEEE 603[-1991]." IEEE 603-1991, Clause 5.9, requires the safety system design to permit the administrative control of access to safety system equipment. These administrative controls shall be supported by provisions within the safety systems, by provision in the generating station design, or by a combination thereof. The NRC Staff has not been able to identify how access control is implemented in the application. Provide information regarding the access controls implemented for the safety systems.

**Response**

Access control to critical control systems is discussed as part of the U.S. EPR design certification in Appendix B of ANP-10295, "AREVA NP U.S. EPR Security Features Technical Report," December 2008. Additional information was previously provided in an AREVA response to NRC dated January 24, 2008<sup>1</sup>. The detailed information requested is either Safeguards Information (SGI) which is restricted from public release under 10 CFR 73.21 or Security Sensitive Information (SSI) which is restricted from public release under 10 CFR 2.390. The information may be found at:

- ANP-10295 Rev 0 Appendix B Section B.1, page B-2 paragraph 3 (SGI)
- ANP-10295 Rev 0 Appendix B Section B.3, page B-9 paragraph 3 (SGI)
- ANP-10295 Rev 0 Appendix B Section B.7, page B-15 (SGI)
- Letter from Ronnie Gardner to NRC dated January 24, 2008, page A-17 (SSI)

Additional programmatic information on physical access controls for the secured area of CCNPP Unit 3 is provided in the Section 13.6, Physical Security Plan (SGI), of the CCNPP Unit 3 FSAR.

**COLA Impact:**

No changes to the COLA are required.

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<sup>1</sup> Letter from Ronnie Gardner to NRC dated January 24, 2008, "Follow-up Action from December 19, 2007 audit of ANP-10272, 'Software Program Manual for TELEPERM XSTM Safety System Topical Report,' Program Implementation (TAC No. MD3971)" (ML080280125)