

CCNPP3COLA PEmails

From: Steckel, James
Sent: Friday, July 01, 2011 1:45 PM
To: CCNPP3COLA PEmails
Subject: FW: RAI No 42 ICE1 1479.doc (P)
Attachments: RAI No 42 ICE1 1479.doc

From: John Rycyna
Sent: Tuesday, December 16, 2008 1:53 PM
To: Wrobel, George
Cc: CCNPP3COL Resource; Deanna Zhang; Terry Jackson; Peter Hearn; Joseph Colaccino; James Biggins; Adam Gendelman
Subject: RAI No 42 ICE1 1479.doc (P)

George,

Attached please find the subject request for additional information (RAI). A draft of the RAI was provided to you on December 2, 2008. No conference call was requested to discuss this RAI. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any RAIs that cannot be answered within 30 days, it is expected that a date for receipt of this information will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the published schedule.

John Rycyna, PE
Sr. Project Manager
Division of New Reactor Licensing
Office of New Reactors
U.S. Nuclear Regulatory Commission
301-415-4122

Hearing Identifier: CalvertCliffs_Unit3Cola_Public_EX
Email Number: 2622

Mail Envelope Properties (0AA17736E4C4154CA37233EEBFC8DEB27400C0E630)

Subject: FW: RAI No 42 ICE1 1479.doc (P)
Sent Date: 7/1/2011 1:44:30 PM
Received Date: 7/1/2011 1:44:52 PM
From: Steckel, James

Created By: James.Steckel@nrc.gov

Recipients:
"CCNPP3COLA PEmails" <CCNPP3COLA.PEmails@nrc.gov>
Tracking Status: None

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Files	Size	Date & Time
MESSAGE	1024	7/1/2011 1:44:52 PM
RAI No 42 ICE1 1479.doc		27246

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Request for Additional Information No. 42 Revision 0
12/16/2008

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 09.05.02 - Communications Systems
Application Section: 09.05.02 - Communications Systems

QUESTIONS for Instrumentation, Controls and Electrical Engineering 1 (AP1000/EPR Projects) (ICE1)

09.05.02-1

Section 9.5.2.3 of the applicant's FSAR states that "[c]ommunication equipment will be provided in this area to support effective communication between plant personnel during normal operation, as well as during accident conditions. This location will contain equipment to allow use of the plant digital telephone system, PA and alarm system, and sound powered system. A portable wireless communication system will also be provided for use by fire brigade and other operations personnel required to achieve safe plant shutdown." Title 10, C.F.R. 52.47(a)(9) requires that "[f]or applications for light-watercooled nuclear power plants, an evaluation of the standard plant design against the Standard Review Plan (SRP) revision in effect 6 months before the docket date of the application. The evaluation required by this section shall include an identification and description of all differences in design features, analytical techniques, and procedural measures proposed for the design and those corresponding features, techniques, and measures given in the SRP acceptance criteria. Where a difference exists, the evaluation shall discuss how the proposed alternative provides an acceptable method of complying with the Commission's regulations, or portions thereof, that underlie the corresponding SRP acceptance criteria. Section 9.5.2 of the Standard Review Plan provides acceptance criteria for plant communications systems. Section 9.5.2.III.1 of SRP provides that the NRC will "[v]erify that effective communication will not be impeded by transmission through barriers, high-noise areas, personnel use of protective equipment, inadequate number of communication channels, interference between channels or subsystems, or interference from other electronic or electrical equipment." The applicant is requested to demonstrate that the portable wireless communication system used in the Ultimate Heat Sink (UHS) Makeup Water Intake Structure and the UHS Electrical Building are not susceptible to an excess noise level, electromagnetic interference (EMI), and radio frequency interference (RFI).

09.05.02-2

Section F, "Emergency Communications" of the Calvert Cliffs Nuclear Power Plant Unit 3 Emergency Plan describes the details of the plant's emergency response facilities and associated communications capabilities. Figure F-1 of Section F provides a depiction of the initial notification paths and the organizational titles from the Licensee Emergency Response Facilities (ERFs) to federal, state and local emergency response organizations, and industry support agencies. This figure shows that communication is established between the EOF and the Local and State Authorities for initial notification and subsequent updates. Appendix E to 10 CFR Part 50, Part IV.D(1) requires a description of the administrative and physical means for notifying local, State, and Federal officials and agencies and agreements reached with these officials and agencies

for the prompt notification of the public and for public evacuation or other protective measures, should they become necessary. The staff evaluated the communications interfaces depicted in Figure F-1 of Section F of the CCNPP Unit 3 Emergency Plan and finds that additional information is necessary to evaluate the adequacy of these interfaces to satisfy the requirements of Appendix E to 10 CFR Part 50, Part IV.D(1). Describe the specific local and state authorities that the plant emergency operations facilities will be interfacing and the specific emergency communications system (i.e. dedicated phone lines) that will be used to communicate with these authorities to meet Appendix E to 10 CFR Part 50, Part IV.D(1).