

CCNPP3eRAIPEm Resource

From: Arora, Surinder
Sent: Wednesday, December 14, 2011 9:57 AM
To: Infanger, Paul; UNECC3Project@unistarnuclear.com
Cc: CCNPP3eRAIPEm Resource; Segala, John; Arora, Surinder; Wilson, Anthony; Vrahoretis, Susan
Subject: Final RAI 329 NARP 6171
Attachments: FINAL RAI 329 NARP 6171.doc; ATTACHMENTS 1 AND 2 RAI 329.docx

Paul,

Attached please find the subject request for additional information (RAI). The draft of this RAI was sent to you on December 8, 2011. As confirmed in your email (Paul Infanger to Surinder Arora), dated December 14, 2011, no clarification phone call was necessary to discuss the draft RAI question previously issued. The RAI is, therefore, being issued as "Final" without any changes.

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 schedule date for submitting your technically correct and complete response will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the review schedule of the applicable FSAR Chapter.

Your response letter should also include a statement confirming that the response does or does not contain any sensitive or proprietary information.

Thanks.

SURINDER ARORA, PE
PROJECT MANAGER,
Office of New Reactors
US Nuclear Regulatory Commission

Phone: 301 415-1421
FAX: 301 415-6406
Email: Surinder.Arora@nrc.gov

Hearing Identifier: CalvertCliffs_Unit3Col_RAI
Email Number: 162

Mail Envelope Properties (B46615B367D1144982B324704E3BCEED85D7A4930A)

Subject: Final RAI 329 NARP 6171
Sent Date: 12/14/2011 9:57:13 AM
Received Date: 12/14/2011 9:57:15 AM
From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

Recipients:

"CCNPP3eRAIPEm Resource" <CCNPP3eRAIPEm.Resource@nrc.gov>
Tracking Status: None
"Segala, John" <John.Segala@nrc.gov>
Tracking Status: None
"Arora, Surinder" <Surinder.Arora@nrc.gov>
Tracking Status: None
"Wilson, Anthony" <Anthony.Wilson@nrc.gov>
Tracking Status: None
"Vrahoretis, Susan" <Susan.Vrahoretis@nrc.gov>
Tracking Status: None
"Infanger, Paul" <paul.infanger@unistarnuclear.com>
Tracking Status: None
"UNECC3Project@unistarnuclear.com" <UNECC3Project@unistarnuclear.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

| Files | Size | Date & Time |
|----------------------------------|-------------|------------------------|
| MESSAGE | 1239 | 12/14/2011 9:57:15 AM |
| FINAL RAI 329 NARP 6171.doc | | 30714 |
| ATTACHMENTS 1 AND 2 RAI 329.docx | | 27478 |

Options

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

Request for Additional Information No. 329 (eRAI 6171)

12/14/2011

Calvert Cliffs Unit 3

UniStar

Docket No. 52-016

SRP Section: 01 - Introduction and Interfaces

Application Section: Sections Related to 10 CFR Parts 30, 40 and 70

QUESTIONS for EPR Projects Branch (NARP)

01-14

As a part of the review of your combined license application, the staff will also be determining if your application contains adequate details to establish compliance to the applicable requirements of 10 CFR Parts 30, 40 and 70. To facilitate these reviews, the staff has created the attached tables (see Attachments 1 and 2) to collect the information relevant to your application. Please identify and list applicable sections of your application which include/provide the specific information identified by the staff. Specifically, the staff requests UniStar to complete the last column of the attached tables. Additionally, if your current version of the COLA does not have the requested information, it should be stated so in the last column of the attached tables and in such cases, the specific COLA mark up(s) are to be included in your response to this RAI.

**CROSS-REFERENCE OF REGULATIONS AND REGULATORY GUIDANCE IN SUPPORT OF REVIEW OF PART 30/40
LICENSE APPLICATION VS. PART 52 COLA CONTENT (ATTACHMENT 1)**

| Review Area | Regulations | Regulatory Guidance | COLA Chapter/Section (To be completed by UniStar) |
|--|--|---|---|
| License Action Type | 10 CFR Parts 30 and 40 | Section 8.1 and Appendix D.1, Item No. 1 of NUREG-1556, Volume 7 | |
| Legal Identity | 10 CFR Parts 30.32, 30.34, 40.3, 40.21, and 40.31 | Section 8.2 and Appendix D.2, Item No. 2 of NUREG-1556, Volume 7 | |
| Address | 10 CFR Parts 30.32 and 40.31 | Section 8.3 and Appendix D.3 Item Nos. 2 and 3 of NUREG- 1556, Volume 7 | |
| Person to be Contacted About this Application | 10 CFR Parts 30.32 and 40.31 | Section 8.4 and Appendix D.4, Item No. 4 of NUREG-1556, Volume 7 | |
| Materials to be Possessed and Proposed Uses | 10 CFR Parts 30.4, 30.14, 30.15, 30.18, 30.19, 30.21, 30.32(g), 30.32(i), 30.33(a)(1), 30.33, 31.5, 31.8, 31.11, 32.210, 40.1, 40.3, 40.4, 40.34, 40.32, 40.35, 51.21, and 51.22 | Section 8.5.1, 8.6, Appendix C, and Appendix D.5, Item Nos. 5 and 6 of NUREG-1556, Volume 7 | |
| Financial Assurance and Recordkeeping for Decommissioning (if applicable) | 10 CFR Parts 30.35, 30.32(h), 40.31(i), and 40.36 | Section 8.5.2, Appendix C, and Appendix G of NUREG-1556, Volume 7; and Chapter 4 and Appendix A of NUREG-1757, Volume 3 | |

| | | | |
|--|---|--|--|
| Individual(s) Responsible for Radiation Safety Program and Their Training and Experience and Authorized User | 10 CFR Parts 20.1101 30.33(a)(3), and 40.32(b) | Section 8.7.1, 8.7.2, Appendix C, and Appendix D.6, Item No. 7 of NUREG-1556, Volume 7 | |
| Training for Individuals Working in or Frequenting Restricted Areas (Occupationally Exposed Individuals and Ancillary Personnel) | 10 CFR Parts 19.11, 19.12, 19.13, 20.1801, 20.1802, 30.7, 30.9, 30.10, 30.33(a)(3), 30.34(e), 40.32(b), and 40.41 | Section 8.8, Appendix C, and Appendix D.6, Item No. 8 of NUREG-1556, Volume 7 | |
| Facilities and Equipment | 10 CFR Parts 20.1101(b), 20.1406, 30.33(a)(2), 30.35(g), and 40.32(b) | Section 8.9, Appendix C, and Appendix D.6, Item No. 9 of NUREG-1556, Volume 7 | |
| Radiation Safety Program | 10. CFR Parts 20.1101, 20.2102, 21.21(a), and 40.32(b) | Section 8.10, Appendix C, and Appendix D.6, Item No. 10 of NUREG-1556, Volume 7 | |
| Waste Management | 10 CFR Parts 20.1904, 20.2001, 20.2002, 20.2003, 20.2004, 20.2005, 20.2006, 20.2007, 20.2108, 30.51, and 61.52 | Section 8.11, Appendix C, and Appendix D.6, Item No. 11 of NUREG-1556, Volume 7 | |
| Security of IAEA Category 1 and 2 Sources | 10 CFR 20.2207 and Increased Controls Orders | Contact FSME/MSSA for information | |
| Fees | 10 CFR Part 170.31 | Section 8.12 and Appendix B of NUREG-1556, Volume 7 | |
| Certification | 18 U.S.C. 1001 | Section 8.13 and Appendix B of NUREG-1556, Volume 7 | |
| Amendments and Renewals | 10 CFR Parts 2.109, 30.37, 30.38, 40.43, and 40.44 | Section 9 of NUREG-1556, Volume 7 | |

| | | | |
|-----------------------------|--|------------------------------------|--|
| Applications for Exemptions | 10 CFR Parts 19.31, 20.2301, and 30.11 | Section 10 of NUREG-1556, Volume 7 | |
| Termination of Activities | 10 CFR Parts 20.1402, 20.1403, 30.34(b), 30.35(g), 30.36(d), 30.36(g), 30.36(h), 30.36(j), 30.51(f), and 40.42 | Section 11 of NUREG-1556, Volume 7 | |

CROSS-REFERENCE OF REGULATIONS AND REGULATORY GUIDANCE IN SUPPORT OF REVIEW OF PART 70 LICENSE APPLICATION VS. PART 52 COLA CONTENT, REVISION 1 (ATTACHMENT 2)

| Review Area | Regulations | Regulatory Guidance | Acceptance Criteria | COLA Chapter/Section (To be completed by UniStar) |
|-------------------------|---|---|---|--|
| General Info. | 10 CFR 70.22(a)(1) – (a)(4) 10 CFR 70.23(a)(5) | Chapter 1 of NUREG-1520 | Sections 1.1.4, 1.2.4, and 1.3.4 of NUREG-1520. | |
| Organization and Admin. | 10 CFR 70.22(a)(6) and (a)(8) 10 CFR 70.23(a)(2) and (a)(4) | Chapter 2 of NUREG-1520 Reg Guide 1.8 | Section 2.4.3 of NUREG-1520 | |
| ISA | N/A pursuant to 10 CFR 70.60 | N/A | N/A | N/A |
| Radiation Protection | 10 CFR Part 19 10 CFR Part 20 10 CFR 70.22(a)(6) – (a)(8) 10 CFR 70.23(a)(2) – (a)(4) 10 CFR Part 70, Subpart G | Chapter 4 of NUREG-1520, Reg Guide 1.8, 8.8, 8.10, 8.15, etc. | Section 4.4 of NUREG-1520 | |

| | | | | |
|--------------------------|---|--|--|-----|
| Criticality Safety | <p>10 CFR 70.22(a)(6) – (a)(8).</p> <p>10 CFR 70.24(d)(1) includes an exemption from crit. alarms.</p> <p>10 CFR 70.23(a)(2) – (a)(4)</p> <p>10 CFR 70.52</p> | Chapter 5 of NUREG-1520 | Section 5.4.3 of NUREG-1520 | |
| Chemical Safety | N/A since the Part 70 license does not involve the use of chemicals | N/A | N/A | N/A |
| Fire Safety | <p>10 CFR 70.22(a)(6) – (a)(8)</p> <p>10 CFR 70.23(a)(2) – (a)(4)</p> | Chapter 7 of NUREG-1520 | Section 7.4.3 of NUREG-1520 | |
| Emergency Preparedness | <p>10 CFR 70.22(i)(1)(i) or 70.22 (i)(1)(ii).</p> <p>10 CFR 70.22(i)(3), if an emergency plan is required</p> | Chapter 8 of NUREG-1520 | Section 8.4.3 of NUREG-1520 | |
| Environmental Protection | <p>10 CFR Part 20</p> <p>10 CFR 70.22(a)(7) – (a)(8)</p> <p>10 CFR 70.23(a)(3) – (a)(4)</p> <p>Selected portions of 10 CFR Part 51, such as 10 CFR 51.52.</p> | <p>Chapter 9 of NUREG-1520</p> <p>NUREG-1748 for preparing the EA + FONSI related to the possession, inspection, and handling of SNM, if needed. Otherwise, document the review of these activities as part of the EIS being</p> | Section 9.4.3 of NUREG-1520 (safety review only) | |

| | | | | |
|---------------------|--|--|--|-----|
| | | prepared by the NRC staff under NUREG-1555. | | |
| Decommissioning | N/A pursuant to 10 CFR 70.25 (a) | N/A | N/A | N/A |
| Management Measures | N/A pursuant to 10 CFR 70.60 | N/A | N/A | N/A |
| MC&A | 10 CFR 20.2201 10 CFR 70.22(b) includes an exemption from a Fundamental Nuclear Material Control Plan for SNM used at a Part 50 reactor site. 10 CFR 74, Subpart B | Currently, there is no regulatory guidance (i.e., NUREG or RegGuide) to evaluate the possession, inspection, and handling of SNM at a reactor site. Regulations in 10 CFR 74, Subpart B are currently used as guidance to perform the review in this area. | Currently, there is no regulatory guidance (i.e., NUREG or RegGuide) to evaluate the possession, inspection, and handling of SNM at a reactor site. Regulations in 10 CFR 74, Subpart B are currently used as guidance to perform the review in this area. | |
| Physical Security | 10 CFR 73.55 and 73.67 | Section 13.6.1 of NUREG-0800 | Subsection II of Section 13.6.1 of NUREG-0800. | |