## CCNPP3COLA PEmails

**From:** Rycyna, John
**Sent:** Wednesday, July 29, 2009 2:03 PM
**To:** 'Poche, Robert'; McQueeney, Jennifer; katie.thurstin@unistarnuclear.com; michael.stevenson@unistarnuclear.com
**Cc:** CCNPP3COL Resource; Arora, Surinder; Curran, Gordon; Segala, John; Hearn, Peter; Colaccino, Joseph; Biggins, James; Vrahoretis, Susan; Simon, Marcia
**Subject:** RAI No 132 SBPA 2721.doc
**Attachments:** RAI No 132 SBPA 2721.doc

Rob,

Attached please find the subject request for additional information (RAI). A draft of the RAI was provided to you on July 14, 2009. A conference call was not 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
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Division of New Reactor Licensing
Office of New Reactors
U.S. Nuclear Regulatory Commission
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**Hearing Identifier:** CalvertCliffs_Unit3Cola_Public_EX
**Email Number:** 827

**Mail Envelope Properties** (499C2FC6BB962446994CA8682D8ADF33188C56FAA8)

**Subject:** RAI No 132 SBPA 2721.doc
**Sent Date:** 7/29/2009 2:03:15 PM
**Received Date:** 7/29/2009 2:03:18 PM
**From:** Rycyna, John

**Created By:** John.Rycyna@nrc.gov

**Recipients:**
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Tracking Status: None
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**Post Office:** HQCLSTR02.nrc.gov

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| RAI No 132 SBPA 2721.doc | 28270 | |

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

Request for Additional Information No. 132

7/29/2009

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 09.01.05 - Overhead Heavy Load Handling Systems
Application Section: 9.1.5

QUESTIONS for Balance of Plant Branch 1 (AP1000/EPR Projects) (SBPA)

09.01.05-1

Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 FSAR Section 9.1.5.2.5 contains a "Procedures" paragraph that provides a commitment for the applicant to provide a site-specific procedure for overhead heavy load handling. The "Procedures" paragraph provides a detailed outline of information that will be included in the heavy load handling procedures. Section 9.1.5.2.5 also contains a requirement for procedure development prior to fuel load for heavy load lifts in the vicinity of irradiated fuel or safe shutdown equipment. Section C.I.9.1.5, "Overhead Heavy Load Handling System," of Regulatory Guide (RG) 1.206, "Combined License Applications for Nuclear Power Plants (LWR Edition)," Regulatory Position C.III.1, "Information Needed for a Combined License Application Referencing a Certified Design" (page C.III.1-112) provides a list of criteria to be included in the heavy load handling program. One of the criteria listed in RG 1.206 states that the applicant is to provide a listing of all heavy loads and heavy load handling equipment outside the scope of loads described in the referenced certified design and the associated heavy load attributes (load weight and typical load paths). This section of RG 1.206 also requests a safety evaluation for heavy loads outside the scope of loads described in the referenced certified design that are handled by non-single-failure-proof handling systems. Provide the location of this content in the CCNPP Unit 3 FSAR or provide justification for excluding these RG 1.206 items.

09.01.05-2

CCNPP Unit 3 FSAR Section 9.1.5.2.5 contains a paragraph titled "Inspection and Testing" describing the inspection, test and maintenance in accordance with ASME B30.2, "Overhead and Gantry Cranes." This is consistent with Standard Review Plan (SRP) Section 9.1.5, "Overhead Heavy Load Handling Systems," guidance for cranes to be inspected, tested, and maintained prior to use, in accordance with Chapter 2-2 of ASME B30.2-2005.

However, Section 9.1.5.2.5 of the FSAR appears to have included an exception that indicates tests and inspections <u>may be</u> performed prior to use for infrequently used cranes. ASME B30.2 states that inspections <u>shall be</u> performed prior to use. Section 2-2.1.4 of ASME B30.2-2005 states:

> 2-2.1.4 Cranes Not in Regular Service
>
> (a) A crane that is used in infrequent service, which has been idle for a period of 1 month or more, but less than 1 year, <u>shall be</u> inspected before

being placed in service in accordance with the requirements listed in para. 2-2.1.2.
(b) A crane that is used in infrequent service, which has been idle for a period of 1 year or more, shall be inspected before being placed in service in accordance with the requirements listed in para. 2-2.1.3.

Provide justification for this exception of not requiring inspections of infrequently used cranes prior to use.

09.01.05-3

In the CCNPP Unit 3 FSAR, there appears to be an inconsistency with the edition of ASME B30.2 that personnel involved in crane operation shall be qualified to.

- FSAR Section 13.5.1.1.5 refers to ANSI B30.2-1976.
- FSAR Section 9.1.5.2.5 refers to ASME B30.2-2005.

Resolve this inconsistency or provide the edition of code which is correct.