

CCNPP3COLA PEmails

From: John Rycyna
Sent: Tuesday, April 07, 2009 1:49 PM
To: Poche, Robert; katie.thurstin@unistarnuclear.com; McQueeney, Jennifer
Cc: CCNPP3COL Resource; Sara Bernal; Timothy Frye; Jason Jennings; Joseph Colaccino; James Biggins; Adam Gendelman
Subject: Draft RAI No 108 CHPB 2154.doc (PUBLIC)
Attachments: Draft RAI No 108 CHPB 2154.doc

Rob,

Attached is DRAFT RAI No. 108. You have until April 20, 2009 to review it and to decide whether you need a conference call to discuss it. After the call or after April 20, 2009 the RAI will be finalized and sent to you. You then have 30 days to respond.

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Office of New Reactors
U.S. Nuclear Regulatory Commission
301-415-4122

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Subject: Draft RAI No 108 CHPB 2154.doc (PUBLIC)
Sent Date: 4/7/2009 1:48:56 PM
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From: John Rycyna

Created By: John.Rycyna@nrc.gov

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Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	436	4/7/2009 1:48:57 PM
Draft RAI No 108 CHPB 2154.doc		34414

Options

Priority: Standard
Return Notification: No
Reply Requested: No
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Recipients Received:

Request for Additional Information No. 108
DRAFT
4/7/2009

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 12.02 - Radiation Sources
Application Section: 12.2 Radiation Sources

QUESTIONS for Health Physics Branch (CHPB)

12.02-1

10 CFR 20.1501(b) requires, in part, that instruments and equipment used to perform dose rate surveys be calibrated periodically for the radiation to be measured.

Section 12.2.1.13, Miscellaneous Sources, of the CCNP Unit 3 FSAR states:

The U.S. EPR FSAR includes the following COL Item in Section 12.1.2.1.13:

A COL applicant that references the U.S. EPR design certification will provide site-specific information for required radiation sources containing byproduct, source, and special nuclear material that may warrant shielding design considerations. This site-specific information will include a listing of isotope, quantity, form, and use of all sources in this latter category that exceed 100 millicuries.

This COL item is addressed as follows:

The following radiation sources have been identified to be required.

Isotope	Quantity	Form	Use
Cf-252	0.5 Ci	Sealed Source	Primary Start-up Source
Sb-Be	3E+06 Ci	Sealed Source	Secondary Source
Cs-137	400 Ci	Sealed Source	Calibration
Cs-137	{130 mCi}	Sealed Source	Calibration
{Am-241	0.03 µCi	Sealed Source	Calibration}"

This source list does not include a neutron source for portable neutron survey meter calibration as required by 10 CFR 20.1501(b). Please provide the information for such a source or an alternative method or system for such instrument calibration.