CCNPP3COLA PEmails

From: Arora, Surinder
Sent: Thursday, December 17, 2009 2:28 PM
To: 'Poche, Robert'; 'cc3project@constellation.com'
Cc: CCNPP3COL Resource; Frye, Timothy; Bernal, Sara; Colaccino, Joseph; Steckel, James; Jennings, Jason; Biggins, James; Vrahoretis, Susan; Hair, Christopher
Subject: FINAL RAI No. 199 CHPB 4066
Attachments: FINAL RAI 199 CHPB 4066.doc

Rob,

Attached please find the subject request for additional information (RAI). The draft of this RAI was sent to you on December 9, 2009. A clarification phone call on the draft RAI requested by UniStar was held on December 17, 2009. However, no changes to the RAI were made as a result of the clarification requested.

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.

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

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Hearing Identifier: CalvertCliffs_Unit3Cola_Public_EX
Email Number: 1118

Mail Envelope Properties (B46615B367D1144982B324704E3BCEED1AAE90FFB1)

Subject: FINAL RAI No. 199 CHPB 4066
Sent Date: 12/17/2009 2:28:10 PM
Received Date: 12/17/2009 2:28:11 PM
From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

Recipients:
"CCNPP3COL Resource" <CCNPP3COL.Resource@nrc.gov>
Tracking Status: None
"Frye, Timothy" <Timothy.Frye@nrc.gov>
Tracking Status: None
"Bernal, Sara" <Sara.Bernal@nrc.gov>
Tracking Status: None
"Colaccino, Joseph" <Joseph.Colaccino@nrc.gov>
Tracking Status:: Response: None : 12/2/2009 8:06:00 AM
"Steckel, James" <James.Steckel@nrc.gov>
Tracking Status: None
"Jennings, Jason" <Jason.Jennings@nrc.gov>
Tracking Status: None
"Biggins, James" <James.Biggins@nrc.gov>
Tracking Status: None
"Vrahoretis, Susan" <Susan.Vrahoretis@nrc.gov>
Tracking Status: None
"Hair, Christopher" <Christopher.Hair@nrc.gov>
Tracking Status:: Response: None : 12/2/2009 8:06:00 AM
"'Poche, Robert'" <Robert.Poche@constellation.com>
Tracking Status: None
"'cc3project@constellation.com'" <cc3project@constellation.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	1493	12/17/2009 2:28:11 PM
FINAL RAI 199 CHPB 4066.doc	29690	

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

Request for Additional Information No. 199 (eRAI 4066)

12/17/2009

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 12.03-12.04 - Radiation Protection Design Features
Application Section: Section 12.03-12.04 - Radiation Protection Design Features

QUESTIONS for Health Physics Branch (CHPB)

12.03-12.04-6

In response to RAI 157, Question 12.03-12.04-3, the applicant deleted from the FSAR the discussions on 40 CFR 190, 10 CFR 50 Appendix I and the Radiation Protection and ALARA Program.

Because the Radiation Protection and ALARA program description in Section 12.3-12.4 of the FSAR and ER addresses 10 CFR 20.1101(b) requirements, please replace the text following the heading "Radiation Protection and ALARA Program" that was removed in response to Question 12.03-12.04-3.

12.03-12.04-7

In section 12.3-12.4 of the applicant's FSAR the unit conversion from Rem to Sievert has been done incorrectly. Please correct these numbers in the FSAR.

12.03-12.04-8

Operating experience has demonstrated that inadequately maintained vacuum breakers located in effluent discharge piping can result in large unmonitored releases to the environment. In Section 12.3-12.4 of the EPR FSAR, the applicant describes the use of a concentric guard pipe equipped with alarmed moisture detection monitors for effluent discharges. However, the use of vacuum breakers in effluent piping is site-specific and not addressed by the EPR DCA. If vacuum breakers are used for Unit 3, please describe design features and/or operational programs that would prevent or monitor leakage such that contamination of the facility and the environment is minimized in accordance with 10 CFR 20.1406.

12.03-12.04-9

Operating experience has shown that buried piping can be the source of environmental contamination. Describe any site-specific buried piping (such as the effluent discharge pipe) that could potentially become contaminated and leak into the ground. Describe design features and/or monitoring programs that would demonstrate that environmental contamination from buried piping is being minimized in accordance with 10 CFR 20.1406.