

BellBendCOLPEm Resource

From: Canova, Michael
Sent: Monday, August 10, 2009 10:35 AM
To: Sgarro, Rocco R; BBNPP@pplweb.com; jennifer.mcqueeney@unistarnuclear.com; Katie.Thurstin@unistarnuclear.com; j freels
Cc: BellBendCOL Resource; Vrahoretis, Susan; Colaccino, Joseph; Bernal, Sara; Frye, Timothy; Jennings, Jason
Subject: Bell Bend COLA - Draft Request for Information No. 44 (RAI No. 44)- CHPB - 3314
Attachments: Letter 44 RAI 3314 CHPB.doc

Attached is DRAFT RAI No. 44 for the Bell Bend COL Application. You have ten working days to review this request and to decide whether you need a conference call to discuss it. Please notify my of your decision in this regard.

After the call, or after ten days, the RAI will be finalized and sent to you. You will then have 30 days to respond. These durations are factored into your review schedule. If additional time is required to respond, please inform me of your proposed schedule to respond at your earliest opportunity.

If you have any questions, please contact me.

Michael A. Canova

Project Manager - Bell Bend COL Application
Docket 52-039
EPR Project Branch
Division of New Reactor Licensing
Office of New Reactors
301-415-0737

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From: Canova, Michael

Created By: Michael.Canova@nrc.gov

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Options

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Request for Additional Information No. 44

8/10/2009

Bell Bend
PPL Bell Bend LLC.
Docket No. 52-039

SRP Section: 12.03-12.04 - Radiation Protection Design Features
Application Section: 12.03 Radiation Protection Design Features

QUESTIONS for Health Physics Branch (CHPB)

12.03-12.04-1

10 CFR 20.1502 requires that licensees monitor exposures from licensed and unlicensed radiation sources under their control.

(1) Confirm whether neutron radiation exposure from the Susquehanna Steam Electric Station, Units 1 and 2 (SSES) independent spent fuel storage installation (ISFSI) was included in the estimated construction worker dose.

(2) Provide information on what the neutron dose to construction workers is due to the SSES ISFSI, as well as how this dose was measured or calculated.

(3) If your conclusion is that the dose is negligible, provide information supporting this conclusion (such as neutron survey results, etc.).

12.03-12.04-2

Section 12.3.1.6 of the DC FSAR application contains conceptual design information that is outside the scope of the U.S. EPR design certification related to the following facilities: access building, personnel decontamination area, portable instrument calibration facility, respiratory facility, equipment decontamination facility, radioactive material storage facility, and facility for dosimetry processing and bioassay.

RG 1.206, Part C.I.1.8, "Site and Plant Design Interfaces and Conceptual Design Information," states that the NRC staff expects COL applicants who reference a certified design to provide complete designs for the entire facility including appropriate site-specific design information to replace the conceptual design portions of the DCD for the referenced certified design.

The applicant incorporated EPR FSAR Section 12.3.1 by reference without addressing the site-specific facilities identified in Section 12.3.1.6. Update section 12.3 of the BBNPP FSAR to include those portions of the conceptual design information described in Section 12.3.1.6 of the EPR FSAR that will be incorporated into the BBNPP Unit 3 site-specific design. Alternatively, provide the site-specific design information which will replace the conceptual design provided in the DCD.

12.03-12.04-3

There appears to be typographical errors in Section 12.3 of the application as follows:

In Section 12.3.5.1.4, page 12-9, the first two sentences in the last paragraph are unclear.

Table 12.3-5 shows 1.41E+5 Ci (5.22 E+5) Bq of iodine-131 in gaseous releases in 2006. The numerical values are not equivalent and the Ci release appears excessive for routine operation.

Table 12.3-8 shows 4.10 mrem/yr (0.410) uSv/yr shoreline dose for 2004. The numerical values appear to be reversed.

Update the FSAR to include the revised information or provide justification as to why the information provided is correct.