

BellefonteRAIsPEm Resource

From: Joseph Sebrosky
Sent: Thursday, October 16, 2008 3:35 PM
To: BellefonteRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 130 RELATED TO SRP SECTION 2.4.13 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Attachments: BLN-RAI-LTR-130.doc

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Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 130 RELATED TO
SRP SECTION 2.4.13 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Sent Date: 10/16/2008 3:35:15 PM
Received Date: 10/16/2008 3:35:17 PM
From: Joseph Sebrosky

Created By: Joseph.Sebrosky@nrc.gov

Recipients:
"BellefonteRAIsPEm Resource" <BellefonteRAIsPEm.Resource@nrc.gov>
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Reply Requested: No
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October 16, 2008

Ms. Andrea L. Sterdis
Manager, Nuclear Licensing & Industry Affairs
Nuclear Generation Development & Construction
Tennessee Valley Authority
1101 Market Street
Chattanooga, Tennessee 37402-2801

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 130 RELATED TO
SRP SECTION 2.4.13 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED
LICENSE APPLICATION

Dear Ms. Sterdis:

By letter dated October 30, 2007, as supplemented by letters dated November 2, 2007, January 8, 2008 and January 14, 2008, Tennessee Valley Authority (TVA) submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advance passive pressurized water reactors pursuant to 10 CFR Part 52. The NRC staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 30 days of the date of this letter. If changes are needed to the final safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, you may contact me at 301-415-1132.

Sincerely,

/RA/

Joseph M. Sebrosky, Senior Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015

eRAI Tracking No. 1390, 1392

Enclosure:
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-1132.

Sincerely,

/RA/

Joseph M. Sebrosky, Senior Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015

eRAI Tracking No. 1390, 1392

Enclosure:
Request for Additional Information

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NRO-002

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NAME	SSchaffer	TFrye		AHodgdon*	JSebrosky*
DATE	9/30/08	9/30/08		10/6/08	10/16/08

*Approval captured electronically in the electronic RAI system.

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Request for Additional Information No. 1390 Revision 0

**Bellefonte Units 3 and 4
Tennessee Valley Authority
Docket No. 52-014 and 52-015**

SRP Section: 02.04.13 - Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters

Application Section: FSAR 2.4.13

QUESTIONS for Health Physics Branch (CHPB)

02.04.13-6

SRP 2.4.13, under SRP Acceptance Criteria #5, references Branch Technical Position BTP 11-6, which provides guidance in assessing potential release of radioactive liquids at the nearest potable water supply located in an unrestricted area for direct human consumption or indirectly through animals, crops, and food processing. BTP 11-6 further states the evaluation of the release considers the use of water for direct human consumption or indirectly through animals (livestock watering), crops (agricultural irrigation), and food processing (water as an ingredient).

The analysis does not include a discussion of pathways other than drinking water.

The analysis should discuss these other pathways, especially the pathways such as fish and crop irrigation that may result in concentration of the source term. Either discuss other pathways, or justify why they need not be included.

02.04.13-7

BTP 11-6, B.4. "Specifications on Tank Waste Radioactivity Concentration Levels," specifies an evaluation of the proposed technical specification limiting the radioactivity content of the tank to ensure that the technical specification is consistent with the safety evaluation. No technical specification limits were proposed in FSAR section 2.4.13 on the radioactivity content of the effluent holdup tanks. The applicant should provide the technical specification limits in the FSAR or justify why no limits are needed.

Enclosure