

PMBeCOL PEmails

From: Ravindra Joshi
Sent: Thursday, June 19, 2008 3:53 PM
To: andrea sterdis; bob Hirman; Eddie R Grant; Hastings, Peter S; Kim Slays; Ray, Phillip M; rgrumbir@gmail.com
Cc: BelCol Resource
Subject: RAI Letter No. 043 related SRP Section 11.05 for the Bellefonte Units 3 and 4 Combined License application
Attachments: BEL-RAI-LTR-043l.pdf

To All,
Attached is RAI Letter No.043 related to SRP Section 11.05 for Bellefonte Units 3 and 4. The ADAMS Accession number is ML081710752.

Ravindra G. Joshi
Project Manager
NRO/DNRL/NWE1
US NRC
301-415-6191

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 695

Mail Envelope Properties (CEE97CC21430049B821E684512F6E5E852640BE9E)

Subject: RAI Letter No. 043 related SRP Section 11.05 for the Bellefonte Units 3 and 4
Combined License application
Sent Date: 6/19/2008 3:52:49 PM
Received Date: 6/19/2008 3:52:51 PM
From: Ravindra Joshi

Created By: Ravindra.Joshi@nrc.gov

Recipients:

"BelCol Resource" <BelCol.Resource@nrc.gov>
Tracking Status: None
"andrea sterdis" <alsterdis@tva.gov>
Tracking Status: None
"bob Hirman" <bobhirman@live.com>
Tracking Status: None
"Eddie R Grant" <erg-xl@cox.net>
Tracking Status: None
"Hastings, Peter S" <pshastings@duke-energy.com>
Tracking Status: None
"Kim Slays" <Kslays@duke-energy.com>
Tracking Status: None
"Ray, Phillip M" <pmray@tva.gov>
Tracking Status: None
"rgrumbir@gmail.com" <rgrumbir@gmail.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

| Files | Size | Date & Time |
|----------------------|-------------|------------------------|
| MESSAGE | 232 | 6/19/2008 3:52:51 PM |
| BEL-RAI-LTR-043l.pdf | 140150 | |

Options

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

BellefonteRAIsPEm Resource

From: Ravindra Joshi
Sent: Thursday, June 19, 2008 3:34 PM
To: BellefonteRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 043 RELATED TO SRP SECTION 11.05 FOR THE BELLEFONTE UNITS 3 AND 4 COMBINED LICENSE APPLICATION
Attachments: BEL-RAI-LTR-043.doc

Hearing Identifier: Bellefonte_COL_RAI_Public
Email Number: 19

Mail Envelope Properties (CEEA97CC21430049B821E684512F6E5E852640BE60)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 043
RELATED TO SRP SECTION 11.05 FOR THE BELLEFONTE UNITS 3 AND 4 COMBINED
LICENSE APPLICATION

Sent Date: 6/19/2008 3:34:28 PM

Received Date: 6/19/2008 3:34:29 PM

From: Ravindra Joshi

Created By: Ravindra.Joshi@nrc.gov

Recipients:

"BellefonteRAIsPEm Resource" <BellefonteRAIsPEm.Resource@nrc.gov>

Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

| Files | Size | Date & Time |
|---------------------|-------------|------------------------|
| MESSAGE | 3 | 6/19/2008 3:34:29 PM |
| BEL-RAI-LTR-043.doc | 50682 | |

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

June 19, 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. 043 RELATED TO
SRP SECTION 11.05 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED
LICENSE APPLICATION

Dear Ms. Sterdis:

By letter dated September 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 45 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 301-415-6191 or you may contact Joseph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

/RA/

Ravindra G. Joshi, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015

Enclosure:
Request for Additional Information

If you have any questions or comments concerning this matter, you may contact me at 301-415-6191 or you may contact Joesph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

/RA/

Ravindra G. Joshi, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015
eRAI Tracking No. 310 and 311

Enclosure:
Request for Additional Information

Distribution:

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| RidsRgn2MailCenter | TFrye | |
| JSebrosky | PMoulding | |

NRO-002

| | | | | |
|--------|---------|---------|------------|------------|
| OFFICE | CHPB/BC | NWE1/PM | OGC | NWE1/L-PM |
| NAME | TFtye * | RJoshi* | PMoulding* | JSebrosky* |
| DATE | 5/15/08 | 6/19/08 | 5/29/08 | 5/28/08 |

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

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

**SRP Section: 11.05 – Process and Effluent Radiological Monitoring Instrumentation and
Sampling Systems**

Application Section: FSAR 11.5

QUESTIONS from Health Physics Branch (CHPB)

11.05-1

SRP acceptance criteria 2.A. in SRP Section 11.5 states that sampling from ducts and stacks should be consistent with ANSI/HPS N13.1-1999. Please clarify whether the applicant has committed in FSAR Section 11.5.4.2 to follow ANSI N-13.1 -1999 for system design, testing, and operational sampling to ensure representative sampling in gaseous ducts. If the applicant is committing to these aspects of the standard, please revise the FSAR to so state; if not, please provide a detailed description of how the applicant intends to ensure representative sampling for gaseous systems and releases, and revise the FSAR to contain this description.

11.05-2

With regard to FSAR Section 11.5.4.2, Representative Sampling, please provide a detailed description of how the applicant intends to ensure representative sampling of process and effluent liquids; please revise the FSAR to contain this description, or justify its exclusion. Such descriptions may include referencing appropriate sections of ANSI N.42.18 – 2004, Regulatory Guides 1.21, 4.1 and 4.15, and any corporate standard operating procedures the applicant uses to ensure representative sampling of process and effluent liquids.