

PMBelCOL PEmails

From: Habib, Donald
Sent: Thursday, February 18, 2010 1:23 PM
To: 'rgrumbir@gmail.com'; Andrea Sterdis; 'erg-xl@cox.net'; 'pshastings@duke-energy.com'; 'kslays@duke-energy.com'; Bob Hirmanpour; 'Spink, Thomas E'; Wes Sparkman
Cc: PMBelCOL PEmails; Hughes, Brian; RidsNroDnrINwe1 Resource; Comar, Manny; RidsNroLAKGoldstein Resource; Simms, Tanya; Hodgdon, Ann; RidsOgcMailCenter Resource; Joshi, Ravindra; RidsAcrcAcnw_MailCTR Resource; RidsRgn2MailCenter Resource; Martin, Jody; Goetz, Sujata; Anderson, Brian; Spicher, Terri; McGovern, Denise; BelCol Resource; Galletta, Thomas
Subject: RAI Letter No. 170 Related to SRP section 6.1.2 for Bellefonte Units 3 and 4
Attachments: BLN-RAI-LTR-170.pdf

To All,

Attached is RAI Letter No. 170 related to SRP section 6.1.2 for Bellefonte Units 3 and 4. The ADAMS accession number for the document is ML100490030.

Donald C. Habib
Project Manager
U.S. Nuclear Regulatory Commission
Office of New Reactors, DNRL/NWE1
Room T-6D14
Washington, DC 20555
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Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 1776

Mail Envelope Properties (E3D0DF334F617344BE38EB00C881B1B30A41DED876)

Subject: RAI Letter No. 170 Related to SRP section 6.1.2 for Bellefonte Units 3 and 4
Sent Date: 2/18/2010 1:22:42 PM
Received Date: 2/18/2010 1:22:46 PM
From: Habib, Donald

Created By: Donald.Habib@nrc.gov

Recipients:

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Tracking Status: None
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"Comar, Manny" <Manny.Comar@nrc.gov>
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"Hodgdon, Ann" <Ann.Hodgdon@nrc.gov>
Tracking Status: None
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Tracking Status: None
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Tracking Status: None
"RidsAcrcAcnw_MailCTR Resource" <RidsAcrcAcnw_MailCTR.Resource@nrc.gov>
Tracking Status: None
"RidsRgn2MailCenter Resource" <RidsRgn2MailCenter.Resource@nrc.gov>
Tracking Status: None
"Martin, Jody" <Jody.Martin@nrc.gov>
Tracking Status: None
"Goetz, Sujata" <Sujata.Goetz@nrc.gov>
Tracking Status: None
"Anderson, Brian" <Brian.Anderson@nrc.gov>
Tracking Status: None
"Spicher, Terri" <Terri.Spicher@nrc.gov>
Tracking Status: None
"McGovern, Denise" <Denise.McGovern@nrc.gov>
Tracking Status: None
"BelCol Resource" <BelCol.Resource@nrc.gov>
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"Galletta, Thomas" <Thomas.Galletta@nrc.gov>
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"Andrea Sterdis" <'alsterdis@tva.gov'>
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"kslays@duke-energy.com" <kslays@duke-energy.com>
Tracking Status: None
"Bob Hirmanpour" <bob.hirmanpour@excelservices.com>
Tracking Status: None
"Spink, Thomas E" <tespink@tva.gov>
Tracking Status: None
"Wes Sparkman" <wasparkm@southernco.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	367	2/18/2010 1:22:46 PM
BLN-RAI-LTR-170.pdf	159640	

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

BellefonteRAIsPEm Resource

From: Habib, Donald
Sent: Thursday, February 18, 2010 7:19 AM
To: BellefonteRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 170 RELATED TO SRP
SECTION 6.1.2 FOR THE BELLEFONTE UNITS 3 AND 4 COMBINED LICENSE
APPLICATION
Attachments: BLN-RAI-LTR-170.doc

Hearing Identifier: Bellefonte_COL_RAI_Public
Email Number: 164

Mail Envelope Properties (E3D0DF334F617344BE38EB00C881B1B30A41DED588)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 170 RELATED TO
SRP SECTION 6.1.2 FOR THE BELLEFONTE UNITS 3 AND 4 COMBINED LICENSE APPLICATION
Sent Date: 2/18/2010 7:18:41 AM
Received Date: 2/18/2010 7:18:42 AM
From: Habib, Donald

Created By: Donald.Habib@nrc.gov

Recipients:
"BellefonteRAIsPEm Resource" <BellefonteRAIsPEm.Resource@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	3	2/18/2010 7:18:42 AM
BLN-RAI-LTR-170.doc	55406	

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

February 17, 2010

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. 170 RELATED TO
SRP SECTION 6.1.2 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 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 301-415-1035, or you may contact Manny Comar, the lead project manager for the Bellefonte combined license at 301-415-3863.

Sincerely,

/RA/

Donald Habib, 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 301-415-1035, or you may contact Manny Comar, the lead project manager for the Bellefonte combined license at 301-415-3863.

Sincerely,

/RA/

Donald Habib, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015
eRAI Tracking Nos. 4337

Enclosure:
Request for Additional Information

Distribution:

Public	BHughes	SHaggerty	CJackson
RidsNroDnrlNwe1	SCoffin	MComar	CPatel
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RidsAcrsAcnw_MailCenter	JMartin	RJoshi	TSpicher
RidsRgn2MailCenter	JSebrosky	SGoetz	

NRO-002

OFFICE	SPCV/BC	NWE1/PM	NWE1/L-PM
NAME	DTerao *	DHabib *	MComar*
DATE	2/3/10	2/3/10	2/17/10

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Request for Additional Information

Bellefonte Units 3 and 4

TVA

Docket No. 52-014 and 52-015

SRP Section: 06.01.02 - Protective Coating Systems (Paints) - Organic Materials

Application Section: 6.1.2

QUESTIONS for Component Integrity, Performance, and Testing Branch 1 (AP1000/EPR Projects)
(CIB1)

06.01.02-2:

This RAI relates to the standard content of the Bellefonte Section 6.1.2, "Organic Materials" review and contains a preliminary characterization of an open item in a draft version of the Bellefonte Safety evaluation report. The staff is providing the appropriate technical content from this open item in an attempt to resolve the issue in a timely manner.

From Summary of Application of Bellefonte SER AP1000 COL Information Item

STD COL 6.1-2

The applicant provided additional information in STD COL 6.1-2 to resolve COL Information Item 6.1-2. STD COL 6.1-2 discusses a program to control procurement, application, and monitoring of Service Level I and Service Level III coatings.

From Technical evaluation of AP1000 COL STD COL 6.1-2

The information provided in response to the COL information item clarified that the applicant's coatings program, with respect to procurement, application, inspection, and monitoring, will be consistent with the recommendations of RG 1.54, Revision 1, which is endorsed in Section 6.1.2 of NUREG-0800 as an acceptable method of meeting the quality assurance requirements of 10 CFR Part 50 Appendix B for safety-related and non-safety-related coating. However, the information provided by the applicant to resolve the COL information item merely states that the protective coatings program complies with RG 1.54, when, in fact, the program might not have been developed yet. Therefore, the COL applicant had not provided a coatings program as committed in COL Information Item 6.1.3.2.

To resolve this issue, in request for additional information (RAI) 6.1.2-1, the staff requested the following information:

1. The applicant should describe the standards to be applied to maintenance of the protective coatings in the program description. The description of the proposed coatings program should also describe the standards to be applied to selection and qualification of coatings, if the applicant intends to use coatings systems different than those described in the AP1000 DCD, either during construction or after plant operation commences.
2. The program description should describe the administrative controls that will be applied to the coatings program.

3. Provide the schedule for full implementation of the coatings program with respect to major milestones in the construction of the plant; for example, prior to application of coatings, prior to preparation of surfaces to be coated, or prior to procurement of coatings materials.

In a letter dated May 23, 2008, the applicant provided the following response:

- Item 1) The coating program will be based on Revision 1 of RG 1.54 and the referenced ASTM standards in ASTM D5144. Also, the guidance provided in ASTM D5163, "Establishing Procedures to Monitor the Performance of Coating Service Level I Coating Systems in an Operating Nuclear Power Plant," and in ASTM D7167, "Establishing Procedures to Monitor the Performance of Coating Service Level III Coating Systems in an Operating Nuclear Power Plant," will be used to specify monitoring (maintenance) requirements for the safety-related coating systems pertaining to containment. While a change in coating systems (from those described in the AP1000 DCD) is not anticipated, if a different safety-related coating system is needed, it will be evaluated in accordance with the appropriate change process, i.e., 10 CFR 50.59 or 10 CFR Part 52, Appendix D, Section VIII.
- Item 2) FSAR Section 6.1.3.2, Coating Program, will be revised to indicate compliance with 10 CFR Part 50, Appendix B, and 10 CFR Part 52 requirements implemented by the quality assurance program for the plant (see FSAR Chapter 17 and Part 11 of the COL application) for design, construction, and operation of the units.
- Item 3) During the design and construction phase, the requirements for the coating program will be contained in certified drawings and/or standards and specifications controlling the coating processes of the designer (Westinghouse); these design documents will be available prior to the procurement and application of the coating material by the constructor of the plant. Prior to initial fuel loading, a consolidated plant coating program will be in place to address procurement, application, and monitoring (maintenance) of those coating system(s) for the life of the plant.

The applicant also indicated that this response is expected to be STANDARD for the subsequent-COL (S-COL) applications

However, since the information proposed to be added to the AP1000DCD does not include the detailed information on control of coatings during the design and construction phase, the staff identified **Open Item 6.1.2-1** to ensure that BLN COL FSAR Section 6.1.2.1.6 is revised to include all the information from the response to RAI 6.1.2-1, Item 3, related to control of the coating program during the design and construction phase and the schedule for full implementation of the consolidated coatings program.