

NRR-PMDAPem Resource

From: Wong, Albert
Sent: Monday, October 23, 2017 4:09 PM
To: wmagui1@entergy.com
Cc: RidsNrrDmlr Resource; RidsNrrDmlrMrpb Resource; RidsNrrPMRiverBend Resource; RidsOgcMailCenter Resource; Wilson, George; Donoghue, Joseph; Sayoc, Emmanuel; Wong, Albert; Billoch, Araceli; Iqbal, Naeem; Casto, Greg; Rogers, Bill; Burton, William; Alley, David; Martinez Navedo, Tania; Bailey, Stewart; Wittick, Brian; Ruffin, Steve; Bloom, Steven; Regner, Lisa; Turk, Sherwin; Sowa, Jeffrey; Parks, Brian; Pick, Greg; Kozal, Jason; Young, Cale; Young, Matt; Werner, Greg; McIntyre, David; Dricks, Victor; Moreno, Angel; Burnell, Scott; 'Broussard, Thomas Ray'; Lach, David J; SCHENK, TIMOTHY A; 'Coates, Alyson'
Subject: FINREQUESTS FOR ADDITIONAL INFORMATION FOR THE SAFETY REVIEW OF THE RIVER BEND STATION LICENSE RENEWAL APPLICATION (CAC NO. MF9757)
Attachments: RBS RAIs from Fire ScopingScreening_Naeem_wong_101617_RAIs only.pdf

[This e-mail was sent out by Albert Wong on behalf of Emmanuel Sayoc.]

By letter dated May 25, 2017 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17153A282), Entergy Operations, Inc. (the applicant) submitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants," to renew the operating license NPF-47 for River Bend Station.

On October 2, 2017, the U.S Nuclear Regulatory Commission (NRC) staff sent Entergy Operations, Inc. the draft Requests for Additional Information (RAIs). Entergy Operations, Inc. subsequently informed the NRC staff that a clarification call was needed to discuss the information requested. The clarification call was held on October 10, 2017 between NRC staff and Entergy Operations, Inc. representatives, during which the subject information requests were discussed. The draft RAIs were modified based on the discussion. The final RAIs are enclosed.

During the clarification call, the NRC staff and Entergy staff discussed one potential RAI related to scoping and screening results of various structures within the scope of license renewal in Section 2.4.4 "Bulk Commodities." The Entergy staff clarified the sections of the license renewal application where the information is located. As such, this potential RAI was excluded from this set of RAIs.

Alyson Coats of your staff agreed to provide a response to the final RAIs within 30 days of the date of this email. The NRC staff will be placing a copy of this email in the NRC's Agencywide Documents Access and Management System.

Sincerely,

Emmanuel Sayoc, Project Manager
License Renewal Projects Branch (MRPB)
Division of Materials and License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-458

Enclosure:
As stated

OFFICE	PM:RPGB:DMLR	BC:RPGB:DMLR	PM:RPGB:DMLR
NAME	ESayoc <i>AWong for</i>	WBurton	ESayoc <i>AWong for</i>
DATE	10/20/2017	10/23/2017	10/23/2017

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Hearing Identifier: NRR_PMDA
Email Number: 3806

Mail Envelope Properties (Albert.Wong@nrc.gov20171023160800)

Subject: FINREQUESTS FOR ADDITIONAL INFORMATION FOR THE SAFETY
REVIEW OF THE RIVER BEND STATION LICENSE RENEWAL APPLICATION (CAC NO. MF9757)
Sent Date: 10/23/2017 4:08:43 PM
Received Date: 10/23/2017 4:08:00 PM
From: Wong, Albert

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Files	Size	Date & Time	
MESSAGE	2020	10/23/2017 4:08:00 PM	
RBS RAIs from Fire ScopingScreening_Naeem_wong_101617_RAIs only.pdf			108003

Options

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

FIRE PROTECTION REQUEST FOR ADDITIONAL INFORMATION
LICENSE RENEWAL APPLICATION

RIVER BEND STATION, UNIT 1

DOCKET NO.: 50-458

CAC NO.: MF9757

Office of Nuclear Reactor Regulation
Division of Risk Assessment
PRA Licensing Branch B

For River Bend Station, Unit 1, the staff reviewed the license renewal application (LRA); drawings; and Updated Final Safety Analysis Report (UFSAR), Section 9.5.1, "Fire Protection System," UFSAR Appendix 9A, Fire Hazard Analysis," and UFSAR Appendix 9B, "Fire Protection Program Comparison with Appendix R to 10 CFR 50," which describe the fire protection program at River Bend Station, Unit 1, and how it complies with the requirements of Title 10 of the *Code of Federal Regulations* (CFR) Section 50.48, "Fire protection," and the guidelines of Appendix A to Branch Technical Position (BTP) Auxiliary and Power Conversion Systems Branch (APCSB) 9.5-1. The staff also reviewed the following fire protection documents cited in the current licensing bases listed in the River Bend Station, Unit 1, Operating License Condition 2.C(10):

NUREG-0989, "Safety Evaluation Report related to the operation of River Bend Station," May 1984, ADAMS Accession No. [ML091380411](#).

NUREG-0989, Supplement 3, "Safety Evaluation Report related to the operation of River Bend Station," August 1985, ADAMS Accession No. [ML091380410](#).

The staff has identified that the fire protection systems and components discussed in the following sections have been excluded from the scope of license renewal and an aging management review (AMR). These systems and components that were not included in the license renewal boundaries appear to have fire protection intended functions required for compliance with 10 CFR 50.48, as stated in 10 CFR 54.4. Therefore, in order to complete our review, the staff requires responses to the following requests for additional information (RAIs):

APLB RAI 2.3.3.7-1

Background:

For River Bend Station Unit 1, the staff reviewed the LRA; drawings, and UFSAR, Section 9.5.1, "Fire Protection System," UFSAR Appendix 9A, Fire Hazard Analysis," and UFSAR Appendix 9B, "Fire Protection Program Comparison with Appendix R to 10 CFR 50," which describe the fire protection program at River Bend Station Unit 1, and how it complies with the requirements of 10 CFR 50.48, "Fire protection," and the guidelines of Appendix A to BTP APCS 9.5-1.

Issue:

The following boundary drawings show the following fire protection systems/components as not within the scope of license renewal (i.e., not colored in orange):

<u>LRA Drawing</u>	<u>Systems/Components</u>	<u>Location</u>
LRA-PID-09-15A	Deep Well Submersible Pump Systems and Components	H21, K21
LRA-PID-015-01A	Hose Manifold with Valves	H4
LRA-PID-015-01B	STR 6A	K2

Request:

Verify whether the fire protection systems/components listed above are within the scope of license renewal in accordance with 10 CFR 54.4(a) and whether they are subject to an aging management review (AMR) in accordance with 10 CFR 54.21(a)(1). If they are not within the scope of license renewal and are not subject to an AMR, the staff requests that the applicant provide justification for the exclusion.

APLB RAI 2.3.3.7-2

Background:

For River Bend Station Unit 1, the staff reviewed the LRA; drawings, and UFSAR, Section 9.5.1, "Fire Protection System," UFSAR Appendix 9A, Fire Hazard Analysis," and UFSAR Appendix 9B, "Fire Protection Program Comparison with Appendix R to 10 CFR 50," which describe the fire protection program at River Bend Station Unit 1, and how it complies with the requirements of 10 CFR 50.48, "Fire protection," and the guidelines of Appendix A to BTP APCSB 9.5-1.

Issue:

Tables 2.3.3-7 and 3.3.2-7 of the LRA do not include the following fire protection components:

- fire hose stations, fire hose connections, hose racks
- standpipe risers
- fire protection water curtain systems
- automatic wet-chemical fire suppression system
- seismic support for standpipes system piping
- floor drains for removal of fire water

Request:

Verify whether the fire protection components listed above are within the scope of license renewal in accordance with 10 CFR 54.4(a) and whether they are subject to an AMR in accordance with 10 CFR 54.21(a)(1). If they are not within the scope of license renewal and are not subject to an AMR, the staff requests that the applicant provide justification for the exclusion.

APLB RAI 2.3.3.8-1

Background:

For River Bend Station Unit 1, the staff reviewed the LRA; drawings, and UFSAR, Section 9.5.1, "Fire Protection System," UFSAR Appendix 9A, Fire Hazard Analysis," and UFSAR Appendix 9B, "Fire Protection Program Comparison with Appendix R to 10 CFR 50," which describe the fire protection program at River Bend Station Unit 1, and how it complies with the requirements of 10 CFR 50.48, "Fire protection," and the guidelines of Appendix A to BTP APCSB 9.5-1.

Tables 2.3.3-8 and 3.3.2-8 of the LRA do not include the following fire protection components:

- Halon storage containers/cylinders

Request:

Verify whether the fire protection components listed above are within the scope of license renewal in accordance with 10 CFR 54.4(a) and whether they are subject to an AMR in accordance with 10 CFR 54.21(a)(1). If they are not within the scope of license renewal and are not subject to an AMR, the staff requests that the applicant provide justification for the exclusion.

APLB RAI 2.4.4-2

Background:

For River Bend Station Unit 1, the staff reviewed the LRA; drawings, and UFSAR, Section 9.5.1, "Fire Protection System," UFSAR Appendix 9A, Fire Hazard Analysis," and UFSAR Appendix 9B, "Fire Protection Program Comparison with Appendix R to 10 CFR 50," which describe the fire protection program at River Bend Station Unit 1, and how it complies with the requirements of 10 CFR 50.48, "Fire protection," and the guidelines of Appendix A to BTP APCSB 9.5-1.

Issue:

Table 2.4-4 of the LRA does not include the following fire protection components:

- fire damper housing
- fire retardant coating (fireproofing material) for structural steel members
- smoke and heat vents housings

Request:

Verify whether the fire protection components listed above are within the scope of license renewal in accordance with 10 CFR 54.4(a) and whether they are subject to an AMR in accordance with 10 CFR 54.21(a)(1). If they are not within the scope of license renewal and are not subject to an AMR, the staff requests that the applicant provide justification for the exclusion.