



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

June 4, 2018

Mr. William F. Maguire  
Site Vice President  
River Bend Station, Unit 1  
Entergy Operations, Inc.  
5485 U.S. Highway 61 N  
St. Francisville, LA 70775

SUBJECT: SUMMARY OF A TELEPHONE CONFERENCE CALL HELD ON MAY 3, 2018, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND ENTERGY REGARDING THE NEED FOR ADDITIONAL INFORMATION TO SUPPORT THE RIVER BEND STATION, UNIT 1 LICENSE RENEWAL APPLICATION REVIEW (CAC NO. MF9757)

Dear Mr. Maguire:

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Entergy Operations, Inc. (the applicant) held a telephone conference call on May 3, 2018, to discuss the applicant's draft responses to staff's Requests for Additional Information (RAIs). The conference call was held to facilitate efficiency in the review by fostering additional discussions to ensure that the applicant understood the staff's concerns and that those concerns were appropriately addressed in the responses.

The conference call participants are listed in Enclosure 1. Enclosure 2 itemizes the RAIs, including a chronology and the ADAMS accession numbers for the associated draft responses submitted by the applicant prior to the May 3, 2018 call. Enclosure 3 lists the conclusions from the discussions of the draft responses. Mr. David Lach of your staff agreed that all the responses would be formally submitted to the NRC in accordance with previously established schedules.

If you have any questions, please contact me by telephone at 301-415-4084 or via e-mail at [Emmanuel.Sayoc@nrc.gov](mailto:Emmanuel.Sayoc@nrc.gov).

Sincerely,

**/RA/**

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

Docket No. 50-458

Enclosures:

1. List of Participants
2. List of RAIs
3. Summary of Discussions

cc: Listserv

SUBJECT: SUMMARY OF A TELEPHONE CONFERENCE CALL HELD ON MAY 3, 2018, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND ENTERGY REGARDING THE NEED FOR ADDITIONAL INFORMATION TO SUPPORT THE RIVER BEND STATION, UNIT 1 LICENSE RENEWAL APPLICATION REVIEW (CAC NO. MF9757)

**DISTRIBUTION:**

E-MAIL:

PUBLIC

RidsNrrDmlr Resource  
 RidsNrrDmlrMrpb Resource  
 RidsNrrDmlrMenb Resource  
 RidsNrrDmlrMphb Resource  
 RidsNrrDmlrMccb Resource  
 RidsNrrDmlrMvib Resource  
 RidsNrrPMRiverBend Resource  
 RidsRgn4MailCenter@nrc.gov

ESayoc  
 AWong  
 WHolston  
 BAllik  
 JGavula  
 BLehman  
 EOesterle  
 SBloom  
 DAlley  
 SRuffin  
 BWittick  
 TMartinezNavedo  
 SBailey  
 LRegner  
 TSherwin, OGC

DMcIntyre, OPA  
 SBurnell, OPA  
 AMoreno, OCA  
 JSowa, RIV  
 GPick, RIV  
 BParks, RIV  
 GPick, RIV  
 JKozal, RIV  
 CYoung, RIV  
 GWerner, RIV  
 VDricks, RIV

[tbrous1@entergy.com](mailto:tbrous1@entergy.com)  
[DLach@entergy.com](mailto:DLach@entergy.com)  
[TSCHENK@entergy.com](mailto:TSCHENK@entergy.com)  
[alacey@entergy.com](mailto:alacey@entergy.com)  
[dpereir@entergy.com](mailto:dpereir@entergy.com)

**ADAMS Accession No. ML18143B396**

OFFICE	PM:MRPB:DMLR	LA:MRPB:DMLR	BC:MRPB:DMLR	PM:MRPB:DMLR
NAME	ESayoc	YEdmonds	EOesterle	ESayoc
DATE	05/24/2018	05/31/2018	06/4/2018	06/4/2018

**OFFICIAL RECORD COPY**

LIST OF PARTICIPANTS FOR THE MAY 3, 2018  
TELEPHONE CONFERENCE CALL

<u>PARTICIPANTS</u>	<u>AFFILIATIONS</u>
Steve Bloom	U.S. Nuclear Regulatory Commission (NRC)
Bill Holston	NRC
Jim Gavula	NRC
Brian Allik	NRC
Bryce Lehman	NRC
Emmanuel Sayoc	NRC
Albert Wong	NRC
Garry Young	Entergy Nuclear Operations Inc. (Entergy)
Dave Lach	Entergy
Alan Cox	Entergy
Herbert Rideout	Entergy
Mark Spinelli	Entergy
Lori Potts	Entergy
Stan Batch	Entergy
Kirk Ehren	Entergy
Ted Ivy	Entergy
Steve McKissack	Entergy
Jim Morgan	Entergy
Mark Sandusky	Entergy
Lisa Borel	Entergy
Walter Malone	Entergy
Reggie Jackson	Entergy
Randy Gauthreaux	Entergy
Mike Cooper	Entergy
Richard Orthen	Florida Power & Light (FPL)
Brian Messitt	FPL
Raymond Dennis	Westinghouse Electric Company

LIST OF RAIs DISCUSSED DURING THE MAY 3, 2018  
TELEPHONE CONFERENCE CALL

<b>ORIGINAL RAI #</b>	<b>RAI Set #</b>	<b>Date of the Original RAI (or Call Summary)</b>	<b>Date of Applicant's Response</b>
B.1.4-1 Buried and Underground Piping and Tanks Inspection	5	December 13, 2017 (ML17347B432)	January 24, 2018 (ML18025B750)
A public call on B.1.4-1 was held on March 6, 2018.		March 28, 2018 (ML18078A755)	April 4, 2018 (ML18094A137)
A second public call on B.1.4-1 was held on April 25, 2018.		May 8, 2018 (ML18124A190)	May 3, 2018 (ML18123A495)
RAI B.1.15-1 Diesel Fuel Monitoring	4	December 13, 2017 (ML17347B424)	January 24, 2018 (ML18025B544)  March 27, 2018 (ML18087A087)
A public call on B.1.15-1 was held on April 10, 2018		May 10, 2018 (ML18120A135)	A draft revised response to B.1.15-1 was sent to NRC on May 1, 2018 (ML18122A125)
RAI B.1.17-1 External Surfaces Monitoring	9	February 7, 2018 (ML18038B470)	March 8, 2018 (ML18067A437)
A public call on B.1.17-1 was held on April 10, 2018		May 10, 2018 (ML18120A135)	A draft revised response to B.1.17-1 was sent to NRC on May 2, 2018 (ML18122A126)

<b>ORIGINAL RAI #</b>	<b>RAI Set #</b>	<b>Date of the Original RAI (or Call Summary)</b>	<b>Date of Applicant's Response</b>
B.1.21-2 Flow-Accelerated Corrosion		February 7, 2018 (ML18038B470)	March 8, 2018 (ML18067A437)
A public call on B.1.21-2 was held on April 26, 2018.		May 9, 2018 (ML18129A356)	A draft revised response to B.1.21-2 was sent to NRC on April 30, 2018 (ML18115A163)
B.1.40-2 and B.1.40-5 Service Water Integrity	9	February 7, 2018 (ML18038B470)	March 8, 2018 (ML18067A437)
A public call on B.1.40-2 and B.1.40-5 was held on April 10, 2018		May 10, 2018 (ML18120A135)	A draft revised response to B.1.40-2 was sent to NRC on May 1, 2018 (ML18122A124).  A draft revised response to B.1.40-5 was sent to NRC on May 2, 2018 (ML18122A231)
4.6.1 Fatigue Monitoring	6	December 27, 2018 (ML17361A396)	February 6, 2018 (ML18038B475)
4.6.2 Fatigue Monitoring	6	December 27, 2018 (ML17361A396)	February 6, 2018 (ML18038B475)

ORIGINAL RAI #	RAI Set #	Date of the Original RAI (or Call Summary)	Date of Applicant's Response
A public call on RAIs 4.6.1a and 4.6.2a was held on March 27, 2018.		March 15, 2018 Draft RAIs 4.6.1a and 4.6.2a (ML18073A091) These two draft RAIs were discussed during the March 27, 2018 public call and were issued on April 12, 2018 following a clarification call (ML18103A015) (see next two entries).	NA
4.6.1a Fatigue Monitoring (follow-up)	6	April 12, 2018 (ML18103A015)	A draft response to 4.6.1a was sent to NRC on May 1, 2018 (ML18121A294)
4.6.2a Fatigue Monitoring (follow-up)	6	April 12, 2018 (ML18103A015)	A draft response to 4.6.2a was sent to NRC on May 1, 2018 (ML18121A302)

Prior to the May 3, 2018 call, the applicant submitted its draft responses to these RAIs under the following ADAMS Accession Nos:

1. RAI B.1.4-1b (2<sup>nd</sup> revision) (ADAMS Accession No. ML18123A495)
2. RAI B.1.15-1 (revised) (ADAMS Accession No. ML18122A125)
3. RAI B.1.17-1 (revised) (ADAMS Accession No. ML18122A126)
4. RAI B.1.21-2 (ADAMS Accession No. ML18115A163)
5. RAI B.1.40-2 (ADAMS Accession No. ML18122A124)
6. RAI B.1.40-5 (ADAMS Accession No. ML18122A231)
7. RAI 4.6-1a (ADAMS Accession No. ML18121A294)
8. RAI 4.6-2a (ADAMS Accession No. ML18121A302)

SUMMARY OF DISCUSSIONS FOR DRAFT RAI RESPONSES INCLUDED IN THE  
MAY 3, 2018 TELEPHONE CONFERENCE CALL

The following draft responses were discussed with the applicant during the call. The conclusions of the discussions are noted in parentheses.

**Topic 1 RAI B.1.4-1 Buried and Underground Piping and Tanks Inspection**

The applicant's draft response, dated May 3, 2018, can be found in ADAMS Accession No. ML18123A495.

**(Resolution: The applicant's draft response appropriately addressed the staff's concerns and the applicant committed to provide a final response.)**

**Topic 2 RAI B.1.15-1 Diesel Fuel Monitoring**

The applicant's draft response, May 1, 2018, can be found in ADAMS Accession No. ML18122A125.

**(Resolution: The applicant's draft response appropriately addressed the staff's concerns and the applicant committed to provide a final response.)**

**Topic 3 RAI B.1.17-1 External Surfaces Monitoring**

The applicant's draft response, dated May 2, 2018, can be found in ADAMS Accession No. ML18122A126.

**(Resolution: The staff noted that in the applicant's draft RAI response they summarized their basis for not incorporating Table 2 AMR items for the subject stainless steel and aluminum components by stating, "[r]ather than identifying aging effects inconsistent with NUREG-1801 in the Section 3 LRA tables, the potential for SCC and loss of material for stainless steel components and for loss of material for aluminum components exposed to outdoor air recently introduced into a building will be assessed through a one-time inspection of outdoor components in accordance with the One-Time Inspection Program." The staff does not agree with the basis for not incorporating Table 2 AMR items. Numerous Table 2 entries are included in an LRA even when the specific material, environment, aging effect, and program (MEAP) combinations are not consistent with the GALL Report. Table 2 entries ensure that all structures and components subject to aging management review are clearly identified with the corresponding MEAP. However, in this case, the staff noted that the specific one-time inspections have been incorporated into the UFSAR Supplement for the One-Time Inspection Program. As a result, the inspections will be included in the current licensing basis. The level of detail in the UFSAR envelopes the MEAP for the subject components. In this specific situation, the staff considers this approach to be a sufficient alternative to incorporating these MEAP combinations into the Table 2s. The applicant committed to provide a final response.)**

**Topic 4 RAI B.1.21-2 Flow Accelerated Corrosion**

The applicant's draft response, dated April 25, 2018, can be found in ADAMS Accession No. ML18115A163.

**(Resolution: The applicant's draft response appropriately addressed the staff's concerns and the applicant committed to provide a final response.)**

**Topic 5 RAIs B.1.40-2 and B.1.40-5 Service Water Integrity**

The applicant's draft response on B.1.40-2, dated May 1, 2018, and on B.1.40-5, dated May 2, 2018, can be found in ADAMS Accession No. ML18122A124, and ML18122A231, respectively.

**(Resolution: For B.1.40-2, the applicant's draft response appropriately addressed the staff's concerns and the applicant committed to provide a final response. For B.1.40-5, the applicant's draft response did not fully address the staff's concerns. As a result, the applicant agreed to expand the discussion on cooling tower fill material and related operating experiences associated with the cooling towers in the final response.)**

**Topic 6 RAIs 4.6.1a and 4.6.2a Fatigue Monitoring**

The applicant's draft responses on 4.6.1a and 4.6.2a, dated May 1, 2018 can be found in ADAMS Accession No. ML18121A294 and ML18121A302, respectively.

**(Resolution: The applicant's draft responses did not fully address the staff's concerns. As a result, the applicant agreed to include additional information in the River Bend Station License Renewal Application Appendix A *Updated Safety Analysis Report Supplement*.)**