

## NRR-DMPSPeM Resource

---

**From:** Wong, Albert  
**Sent:** Friday, March 09, 2018 10:10 AM  
**To:** Mr. William F. Maguire  
**Cc:** RidsNrrDmlr Resource; RidsNrrDmlrMrpb Resource; RidsNrrPMRiverBend Resource; RidsOgcMailCenter Resource; Wilson, George; Donoghue, Joseph; Sayoc, Emmanuel; Wong, Albert; Nold, David; Frumkin, Daniel; Iqbal, Naeem; Oesterle, Eric; Alley, David; Martinez Navedo, Tania; Bailey, Stewart; Wittick, Brian; Ruffin, Steve; Bloom, Steven; Dennig, Robert; 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:** REVISION OF FINAL REQUEST FOR ADDITIONAL INFORMATION (RAI 2.3.3.17-2) FOR THE SAFETY REVIEW OF THE RIVER BEND STATION LICENSE RENEWAL APPLICATION (CAC NO. MF9757) – SET 11  
**Attachments:** ATTACHMENT 1 REVISED RAI 2.3.3.17-2 RG removed\_CLEAN.pdf

Docket No. 50-458

Dear Mr. Maguire:

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 February 12, 2018, the U.S Nuclear Regulatory Commission (NRC) staff sent Entergy Operations, Inc. the final Requests for Additional Information (RAIs) (ADAMS Accession No. ML18043A351) related to multiple technical topics. In RAI 2.3.3.17-2 (Fuel Oil), the NRC staff inadvertently included a reference to Regulatory Guide (RG) 1.189 *Fire Protection for Nuclear Power Plants*. This RG should not have been included as it is not part of the licensing basis for Fire Protection at the River Bend Station. A revised RAI 2.3.3.17-2 is enclosed as Attachment 1 of this e-mail.

David Lach of your staff stated that the removal of this RG reference from RAI 2.3.3.17-2 had no material impact on the 30-day response time for Set 11 RAIs. 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 *Albert Wong* for  
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:MRPB:DMLR	BC: MRPB:DMLR	PM: MRPB:DMLR
NAME	ESayoc	EOesterle	ESayoc <i>Albert Wong for</i>
DATE	03/07/2018	03/08/2018	03/08/2018

**OFFICIAL RECORD COPY**

**Hearing Identifier:** NRR\_DMPS  
**Email Number:** 230

**Mail Envelope Properties** (Albert.Wong@nrc.gov20180309100900)

**Subject:** REVISION OF FINAL REQUEST FOR ADDITIONAL INFORMATION (RAI 2.3.3.17-2) FOR THE SAFETY REVIEW OF THE RIVER BEND STATION LICENSE RENEWAL APPLICATION (CAC NO. MF9757) – SET 11

**Sent Date:** 3/9/2018 10:09:41 AM

**Received Date:** 3/9/2018 10:09:00 AM

**From:** Wong, Albert

**Created By:** Albert.Wong@nrc.gov

**Recipients:**

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

Tracking Status: None

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

Tracking Status: None

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

Tracking Status: None

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

Tracking Status: None

"Wilson, George" <George.Wilson@nrc.gov>

Tracking Status: None

"Donoghue, Joseph" <Joseph.Donoghue@nrc.gov>

Tracking Status: None

"Sayoc, Emmanuel" <Emmanuel.Sayoc@nrc.gov>

Tracking Status: None

"Wong, Albert" <Albert.Wong@nrc.gov>

Tracking Status: None

"Nold, David" <David.Nold@nrc.gov>

Tracking Status: None

"Frumkin, Daniel" <Daniel.Frumkin@nrc.gov>

Tracking Status: None

"Iqbal, Naeem" <Naeem.Iqbal@nrc.gov>

Tracking Status: None

"Oesterle, Eric" <Eric.Oesterle@nrc.gov>

Tracking Status: None

"Alley, David" <David.Alley@nrc.gov>

Tracking Status: None

"Martinez Navedo, Tania" <Tania.MartinezNavedo@nrc.gov>

Tracking Status: None

"Bailey, Stewart" <Stewart.Bailey@nrc.gov>

Tracking Status: None

"Wittick, Brian" <Brian.Wittick@nrc.gov>

Tracking Status: None

"Ruffin, Steve" <Steve.Ruffin@nrc.gov>

Tracking Status: None

"Bloom, Steven" <Steven.Bloom@nrc.gov>

Tracking Status: None

"Dennig, Robert" <Robert.Dennig@nrc.gov>

Tracking Status: None

"Regner, Lisa" <Lisa.Regner@nrc.gov>

Tracking Status: None  
 "Turk, Sherwin" <Sherwin.Turk@nrc.gov>  
 Tracking Status: None  
 "Sowa, Jeffrey" <Jeffrey.Sowa@nrc.gov>  
 Tracking Status: None  
 "Parks, Brian" <Brian.Parks@nrc.gov>  
 Tracking Status: None  
 "Pick, Greg" <Greg.Pick@nrc.gov>  
 Tracking Status: None  
 "Kozal, Jason" <Jason.Kozal@nrc.gov>  
 Tracking Status: None  
 "Young, Cale" <Cale.Young@nrc.gov>  
 Tracking Status: None  
 "Young, Matt" <Matt.Young@nrc.gov>  
 Tracking Status: None  
 "Werner, Greg" <Greg.Werner@nrc.gov>  
 Tracking Status: None  
 "McIntyre, David" <David.McIntyre@nrc.gov>  
 Tracking Status: None  
 "Dricks, Victor" <Victor.Dricks@nrc.gov>  
 Tracking Status: None  
 "Moreno, Angel" <Angel.Moreno@nrc.gov>  
 Tracking Status: None  
 "Burnell, Scott" <Scott.Burnell@nrc.gov>  
 Tracking Status: None  
 "Broussard, Thomas Ray" <tbrous1@entergy.com>  
 Tracking Status: None  
 "Lach, David J" <DLach@entergy.com>  
 Tracking Status: None  
 "SCHENK, TIMOTHY A" <TSCHENK@entergy.com>  
 Tracking Status: None  
 "Coates, Alyson" <alacey@entergy.com>  
 Tracking Status: None  
 "Mr. William F. Maguire" <wmagui1@entergy.com>  
 Tracking Status: None

**Post Office:**

Files	Size	Date & Time	
MESSAGE	1718	3/9/2018 10:09:00 AM	
ATTACHMENT 1 REVISED RAI 2.3.3.17-2 RG removed_CLEAN.pdf			107856

**Options**

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

## **REVISED RAI 2.3.3.17-2 (Fuel Oil)**

### **Background**

The staff performed its scoping and screening review of LRA Section 2.3.3.17 “Fuel Oil System.” Many of the components of the Fuel Oil System (309/EGF) are typically within the scope of components that require an AMR because they provide an intended pressure-retaining boundary function for the system. After review of LRA Table 2.3.3-17, LRA drawing LRA-PID-08-09A AND LRA Section 2.3.3.17, the staff requests additional information about system Component Types that appear on LRA drawing LRA-PID-08-09A.

### **Issue**

LRA Drawing LRA-PID-08-09A identifies the vent “Piping” and “Flame Arrester” associated with “Fuel Oil Waste Oil” Tanks (i.e., TK3A & TK3B) for EGS\*EG1A (Tank Coordinate K-6) and EGS\*EG1B (Tank Coordinate F-6) as components not subject to AMR. The remaining “Component Types” associated with these “Tanks” have been identified in LRA Table 2.3.3-18-2 “Fuel Transfer Equipment System, Nonsafety-Related Components Affecting Safety-Related Systems” as being subject to AMR.

Flame arresters are passive mechanical devices installed on oil storage tanks vents that function: (1) to allow the passage of vapor under normal operating conditions, and (2) to stop and extinguish any flame from propagating through the flammable vapor/air mixture under emergency conditions.

The staff notes that stopping the flame protects the storage tank, or the equipment located in the piping system, from the catastrophic damage that may result from an uncontrolled ignition.

Given that these “Fuel Oil Waste Tanks” are located in the vicinity of Emergency Diesel Generators EGS\*EG1A and EGS\*EG1B, it appears that the vent “Piping” and “Flame Arrestor” associated with “Fuel Oil Waste Oil” Tanks (i.e. TK3A & TK3B) are non-safety components whose failure could result in failure of nearby safety-related equipment per 10 CFR 54.4(a)(2).

### **Request**

Please identify where the LRA addresses the AMR for the vent “Piping” and “Flame Arrester” associated with “Fuel Oil Waste Oil” Tanks (i.e. TK3A & TK3B) or provide the staff with justification as to why these components are not subject to AMR.