



**Entergy**<sup>®</sup>

Entergy Operations, Inc.  
River Bend Station  
5485 U.S. Highway 61N  
St. Francisville, LA 70775  
Tel 225-381-4374

**Jerry C. Roberts**  
Director, Nuclear Safety  
Assurance

RBG-47300

October 26, 2011

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

**SUBJECT:** License Amendment Request  
Changes to Technical Specification 3.8.1;" AC Sources - Operating"  
Supplemental Information  
River Bend Station, Unit 1  
Docket No. 50-458  
License No. NPF-47

**Reference** Entergy Letter to NRC dated December 8, 2011, Changes to Technical  
Specification 3.8.1;" AC Sources - Operating" (RBG-47191)

Dear Sir or Madam:

On December 8, 2011, Entergy Operations, Inc. (Entergy) submitted a request for an amendment to the Technical Specifications (TS) 3.8.1;"AC Sources – Operating." This request will revise TS 3.8.1 and the associated Bases, to expand its scope to include provisions for testing of the automatic transfer function from the station 22 kV bus to offsite power for Division III.

Attachment 2 of this request provided the existing TS pages marked up to show the proposed changes.

During the review of this request administrative errors were identified in the Technical Specification Action section as a result of an additional Condition and associated Required Action and Completion Time. The resulting change affected pages 3.8-1 through 3.8-4, including the new page 3.8-2a necessary to add the additional action B. This re-numbering did not change the scope or intent of the request.

Attachment 1 to this letter contains the revised Technical Specification Action section with the corrections in final form.

This subject has been discussed with the NRC Project Manager.

A001  
NRR

RBG-47300  
Page 2 of 2

There are no new commitments in this letter.

If you have any questions or require additional information, please contact Mr. Joseph A. Clark at (225) 381-4177.

I declare under penalty of perjury that the foregoing is true and correct. Executed on October 26, 2011

Sincerely,



JCR/JAC/bmb

Attachments:

1. Proposed Technical Specification Changes (mark-up)

RBF1-12-0163

cc: Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
612 E. Lamar Blvd., Suite 400  
Arlington, TX 76011-4125

NRC Senior Resident Inspector  
P. O. Box 1050  
St. Francisville, LA 70775

U. S. Nuclear Regulatory Commission  
Attn: Mr. Alan B. Wang  
MS O-8 B1  
Washington, DC 20555-0001

Department of Environmental Quality  
Office of Environmental Compliance  
Radiological Emergency Planning and Response Section  
JiYoung Wiley  
P.O. Box 4312  
Baton Rouge, LA 70821-4312

**Attachment 1**

**RBG-47300**

**Technical Specification Markup**



ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A. (continued)</p>	<p>-----NOTE----- Verification is only required if 22 kV onsite circuit is supplying Division III safety related bus E22-S004 from normal power transformer STX-XNS1C. -----</p> <p>A.2    Verify E22-S004 is aligned to transfer to the preferred station transformer powered by the OPERABLE offsite circuit.</p> <p><u>AND</u></p> <p>A.3    Restore required offsite circuit to OPERABLE status.</p>	<p>1 hour</p> <p><u>AND</u></p> <p>Once per 8 hours thereafter</p> <p>72 hours</p> <p><u>AND</u></p> <p>24 hours from discovery of two divisions with no offsite power</p> <p><u>AND</u></p> <p>17 days from discovery of failure to meet LCO</p>
<p>B.    Automatic transfer function not OPERABLE</p>	<p>B.1    Restore Division III power source to the preferred station service transformers</p>	<p>12 hours</p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>C. One required DG inoperable.</p>	<p>C.1 Perform SR 3.8.1.1 for OPERABLE required offsite circuit(s).</p> <p><u>AND</u></p> <p>C.2 Declare required feature(s), supported by the inoperable DG, inoperable when the redundant required feature(s) are inoperable.</p> <p><u>AND</u></p>	<p>1 hour</p> <p><u>AND</u></p> <p>Once per 8 hours thereafter</p> <p>4 hours from discovery of Condition C concurrent with inoperability of redundant required feature(s)</p> <p>(continued)</p>



ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>E. One required offsite circuit inoperable.</p> <p><u>AND</u></p> <p>One required DG inoperable.</p>	<p>-----NOTE----- Enter applicable Conditions and Required Actions of LCO 3.8.9, "Distribution Systems—Operating," when any division is de-energized as a result of Condition E. -----</p> <p>E.1 Restore required offsite circuit to OPERABLE status.</p> <p><u>OR</u></p> <p>E.2 Restore required DG to OPERABLE status.</p>	<p>12 hours</p> <p>12 hours</p>
<p>F. Two required DGs inoperable.</p>	<p>F.1 Restore one required DG to OPERABLE status.</p>	<p>2 hours</p> <p><u>OR</u></p> <p>24 hours if Division III DG is inoperable</p>
<p>G. Required Action and Associated Completion Time of Condition A, B, C, D, E or F not met.</p>	<p>G.1 Be in MODE 3.</p> <p><u>AND</u></p> <p>G.2 Be in MODE 4.</p>	<p>12 hours</p> <p>36 hours</p>
<p>H. Three or more required AC sources inoperable.</p>	<p>H.1 Enter LCO 3.0.3.</p>	<p>Immediately</p>

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.8.1.7</p> <p>-----NOTE----- All DG starts may be preceded by an engine prelube period. -----</p> <p>Verify each DG starts from standby conditions and achieves:</p> <p>a. For DG 1A and DG 1B:</p> <ol style="list-style-type: none"> <li>1. In <math>\leq 10</math> seconds, voltage <math>\geq 3740</math> V and frequency <math>\geq 58.8</math> Hz; and</li> <li>2. Steady state voltage <math>\geq 3740</math> V and <math>\leq 4580</math> V and frequency <math>\geq 58.8</math> Hz and <math>\leq 61.2</math> Hz.</li> </ol> <p>b. For DG 1C:</p> <ol style="list-style-type: none"> <li>1. Maximum of 5400 V, and 66.75 Hz, and</li> <li>2. In <math>\leq 13</math> seconds, voltage <math>\geq 3740</math> V and frequency <math>\geq 58.8</math> Hz; and</li> <li>3. Steady state voltage <math>\geq 3740</math> V and <math>\leq 4580</math> V and frequency <math>\geq 58.8</math> Hz and <math>\leq 61.2</math> Hz.</li> </ol>	<p>184 days</p>
<p>SR 3.8.1.8</p> <p>-----NOTES-----</p> <ol style="list-style-type: none"> <li>1. This Surveillance shall not be performed in MODE 1 or 2. However, credit may be taken for unplanned events that satisfy this SR.</li> <li>2. SR 3.8.1.8.b is only required to be met if 22 kV onsite circuit is supplying Division III safety related bus E22-S004 from normal power transformer STX-XNS1C.</li> </ol> <p>-----</p> <p>a. Verify manual transfer of unit power supply from the normal offsite circuit to required alternate offsite circuit.</p> <p>b. Verify automatic transfer of bus E22-S004 through NNS-SWG1A or NNS-SWG1B from the 22 kV onsite circuit to required offsite circuit.</p>	<p>24 months</p> <p>24 months</p>

(continued)