



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

Eric W. Olson
Site Vice President

10CFR 2.390 Attachments Withheld

RBG-47246

June 20, 2012

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

SUBJECT: License Amendment Request – Cyber Security
Plan Implementation Schedule Milestones
River Bend Station – Unit 1
Docket No. 50-458
License No. NPF-47

- References:
1. NRC letter to River Bend Station, *Issuance of Amendment Re: Approval of Cyber Security Plan*, dated July 29, 2011, per RBC-50945
 2. River Bend Station letter to NRC, *Response to Additional Requests for Additional Information and Revision to the River Bend Station Cyber Security Plan*, dated April 4, 2011, per RBG-47129

Dear Sir or Madam:

In Reference 1, the NRC issued License Amendment No. 171 to the Facility Operating License for River Bend Station (RBS) that approved the *River Bend Station Cyber Security Plan* and associated implementation milestone schedule. The Cyber Security Plan Implementation Schedule contained in Reference 2 was utilized as a portion of the basis for the NRC's safety evaluation report provided by Reference 1. River Bend is planning to implement the requirements of Implementation Schedule Milestone 6 in a slightly different manner than described in the approved Implementation Schedule. Although no change to the Implementation Schedule date is proposed, the change to the description of the milestone activity is conservatively considered to be a change to the Implementation Schedule, and in accordance with the provisions of 10 CFR 50.4 and 10 CFR 50.90, Entergy is submitting this request for an amendment to the Facility Operating License for RBS. The *River Bend Station Cyber Security Plan*, Revision 0 was previously provided in Reference 2.

This letter contains security-related information – Attachments 1 (Sections 1, 2, and 3) and 4 are withheld from public disclosure per 10 CFR 2.390

SOOIA
MRR

This letter contains security-related information – Attachments 1 (Sections 1, 2, and 3) and 4 are withheld from public disclosure per 10 CFR 2.390

Attachment 1 provides an evaluation of the proposed change. Attachment 2 contains a proposed marked-up operating license page for the Physical Protection license condition for RBS to reference the commitment change provided in this submittal. Attachment 3 contains the proposed revised operating license page. Attachment 4 contains a change to the scope of Implementation Milestone 6. RBS requests that Attachments 1 (Sections 1, 2, and 3) and 4 which contain security-related information (SRI) be withheld from public disclosure in accordance with 10 CFR 2.390.

The proposed changes have been evaluated in accordance with 10 CFR 50.91(a)(1) using criteria in 10 CFR 50.92(c), and it has been determined that the changes involve no significant hazards consideration. The bases for these determinations are included in Attachment 1.

River Bend requests this license amendment be effective as of its date of issuance. Although this request is neither exigent nor emergency, your review and approval is requested prior to December 31, 2012.

The revised commitment contained in this submittal is summarized in Attachment 5. Should you have any questions concerning this letter, or require additional information, please contact Mr. Joseph Clark at 225-381-4177.

I declare under penalty of perjury that the foregoing is true and correct. Executed on June 20, 2012.

Sincerely,



EWO/JCR/JAC/wjf

Attachments: 1. Analysis of Proposed Operating License Change (contains SRI)
2. Proposed RBS Operating License Changes (mark-up)
3. Revised RBS Operating License Page
4. Revised Cyber Security Plan Implementation Schedule (contains SRI)
5. List of Regulatory Commitments

This letter contains security-related information – Attachments 1 (Sections 1, 2, and 3) and 4 are withheld from public disclosure per 10 CFR 2.390

This letter contains security-related information – Attachments 1 (Sections 1, 2, and 3) and 4 are withheld from public disclosure per 10 CFR 2.390

cc: U.S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Blvd.
Arlington, TX 76011-4511

NRC Resident Inspector
PO Box 1050
St. Francisville, LA 70775

Ms. Tracie Lowrey
Public Utility Commission of Texas
1701 N. Congress Ave.
Austin, TX 78711-3326

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

Mr. Alan Wang, Project Manager
U.S. Nuclear Regulatory Commission
MS O-8B1
11555 Rockville Pike
Rockville, MD 20852-2738

This letter contains security-related information – Attachments 1 (Sections 1, 2, and 3) and 4 are withheld from public disclosure per 10 CFR 2.390

This attachment contains security-related information – Sections 1, 2, and 3
are withheld from public disclosure per 10 CFR 2.390

Attachment 1

RBG-47246

Analysis of Proposed Operating License Change

This attachment contains security-related information – Sections 1, 2, and 3
are withheld from public disclosure per 10 CFR 2.390

This attachment contains security-related information – Sections 1, 2, and 3
are withheld from public disclosure per 10 CFR 2.390

4.0 REGULATORY EVALUATION

4.1 Applicable Regulatory Requirements/Criteria

10 CFR 73.54 requires licensees to maintain and implement a cyber security plan. River Bend Station Facility Operating License NPF-47 includes a Physical Protection license condition that requires Entergy Operations, Inc. (Entergy) to fully implement and maintain in effect all provisions of the Commission-approved cyber security plan, including changes made pursuant to the authority of 10 CFR 50.90 and 10 CFR 50.54(p).

4.2 Precedent

Amendment No. 203 for the Callaway Plant (Reference 5) approved an implementation schedule using the Nuclear Energy Institute (NEI) template (Reference 3), with the exception of Milestone 6. The Callaway Plant deviated from the template for Milestone 6 to address only the NEI 08-09, Revision 6, Appendix D technical controls, excepting for the operational and management controls, on the basis that implementing the technical controls for the target set critical digital assets provides a high degree of protection against cyber related attacks that could lead to radiological sabotage.

The changes being proposed by Entergy in this amendment request are similar to those approved in the Callaway Plant Amendment No. 203.

This attachment contains security-related information – Sections 1, 2, and 3
are withheld from public disclosure per 10 CFR 2.390

This attachment contains security-related information – Sections 1, 2, and 3
are withheld from public disclosure per 10 CFR 2.390

4.3 Significant Safety Hazards Consideration

River Bend Station is requesting an amendment to the RBS Facility Operating License to revise the Physical Protection license condition as it relates to the cyber security plan. This change includes a proposed deviation to the scope of a Cyber Security Plan Implementation Schedule milestone and a proposed revision to the RBS Facility Operating License to include the proposed deviation. Specifically, River Bend proposes a change to the scope of Implementation Milestone 6 to apply to only technical cyber security controls.

River Bend has evaluated whether or not a significant hazards consideration is involved with the proposed amendment by focusing on the three standards set forth in 10 CFR 50.92, "Issuance of Amendment," as discussed below:

1. Does the proposed change involve a significant increase in the probability or consequences of an accident previously evaluated?

Response: No.

The proposed change to the Cyber Security Plan Implementation Schedule is administrative in nature. This change does not alter accident analysis assumptions, add any initiators, or affect the function of plant systems or the manner in which systems are operated, maintained, modified, tested, or inspected. The proposed change does not require any plant modifications which affect the performance capability of the structures, systems, and components relied upon to mitigate the consequences of postulated accidents and has no impact on the probability or consequences of an accident previously evaluated.

Therefore, the proposed change does not involve a significant increase in the probability or consequences of an accident previously evaluated.

2. Does the proposed change create the possibility of a new or different kind of accident from any accident previously evaluated?

Response: No.

The proposed change to the Cyber Security Plan Implementation Schedule is administrative in nature. This proposed change does not alter accident analysis assumptions, add any initiators, or affect the function of plant systems or the manner in which systems are operated, maintained, modified, tested, or inspected. The proposed change does not require any plant modifications which affect the performance capability of the structures, systems, and components relied upon to mitigate the consequences of postulated accidents and does not create the possibility of a new or different kind of accident from any accident previously evaluated.

Therefore, the proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated.

This attachment contains security-related information – Sections 1, 2, and 3
are withheld from public disclosure per 10 CFR 2.390

This attachment contains security-related information – Sections 1, 2, and 3
are withheld from public disclosure per 10 CFR 2.390

3. Does the proposed change involve a significant reduction in a margin of safety?

Response: No.

Plant safety margins are established through limiting conditions for operation, limiting safety system settings, and safety limits specified in the technical specifications. The proposed change to the Cyber Security Plan Implementation Schedule is administrative in nature. Because there is no change to these established safety margins as result of this change, the proposed change does not involve a significant reduction in a margin of safety.

Therefore, the proposed change does not involve a significant reduction in a margin of safety.

Based on the above, River Bend concludes that the proposed change presents no significant hazards consideration under the standards set forth in 10 CFR 50.92(c), and accordingly, a finding of “no significant hazards consideration” is justified.

4.4 Conclusion

In conclusion, based on the considerations discussed above: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner; (2) such activities will be conducted in compliance with the Commission's regulations; and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

5.0 ENVIRONMENTAL CONSIDERATION

The proposed amendment provides a change to the Cyber Security Plan Implementation Schedule. The proposed amendment meets the eligibility criterion for a categorical exclusion set forth in 10 CFR 51.22(c)(12). Therefore, pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

This attachment contains security-related information – Sections 1, 2, and 3
are withheld from public disclosure per 10 CFR 2.390

6.0 REFERENCES

1. NRC letter to River Bend Station, *Issuance of Amendment Re: Approval of Cyber Security Plan*, dated July 29, 2011, per RBC-50945
2. River Bend Station letter to NRC, *Response to Additional Requests for Additional Information and Revision to the River Bend Station Cyber Security Plan*, dated April 4, 2011, per RBG-47129
3. Letter from Chris Earls (NEI) to Richard P. Correia (NRC), *Template for the Cyber Security Plan Implementation Schedule*, dated February 28, 2011 (ADAMS Accession No. ML110600211)
4. Letter from Richard P. Correia (NRC) to Chris Earls (NEI), *Template for the Cyber Security Plan Implementation Schedule*, dated March 1, 2011 (ADAMS Accession No. ML110070348)
5. NRC letter from M. C. Thadani, USNRC, to A. C. Heflin, Union Electric Company, "Callaway Plant, Unit 1 – Issuance of Amendment Re: Approval of Cyber Security Plan (TAC NO. ME4536)," August 17, 2011 (ADAMS Accession No. ML112140087)

This attachment contains security-related information – Sections 1, 2, and 3
are withheld from public disclosure per 10 CFR 2.390

Attachment 2

RBG-47246

Proposed RBS Operating License Changes (mark-up)

- D. The licensee shall fully implement and maintain in effect all provisions of the Commission-approved physical security, training and qualification, and safeguards contingency plans including amendments made pursuant to the provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The combined set of plans, which contain Safeguards Information protected under 10 CFR 73.21, is entitled: "Physical Security, Safeguards Contingency and Training & Qualification Plan," submitted by letter dated May 16, 2006.
- E. The licensee shall fully implement and maintain in effect all provisions of the Commission-approved cyber security plan (CSP), including changes made pursuant to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The licensee's CSP was approved by License Amendment No. 174 as supplemented by a change approved by License Amendment No. 175.
- F. Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, EOI shall report any violations of the requirements contained in Section 2, Items C.(1); C.(3) through (9); and C.(11) through (16) of this license in the following manner: initial notification shall be made within 24 hours to the NRC Operations Center via the Emergency Notification System with written followup within 60 days in accordance with the procedures described in 10 CFR 50.73(b), (c) and (e).
- G. The licensee shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.
- H. This license is effective as of the date of issuance and shall expire at midnight on August 29, 2025.

FOR THE NUCLEAR REGULATORY COMMISSION

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Enclosures:

1. Attachments 1-5
2. Appendix A - Technical Specifications (NUREG-1172)
3. Appendix B - Environmental Protection Plan
4. Appendix C - Antitrust Conditions

Date of Issuance: November 20, 1985

Revised: December 16, 1993

Amendment No. ~~70-79-85-119-135-171~~

~~Revised by letter dated October 28, 2004~~

~~Revised by letter dated November 19, 2004~~

~~Revised by letter dated January 24, 2007~~

Attachment 3

RBG-47246

Revised RBS Operating License Page

- D. The licensee shall fully implement and maintain in effect all provisions of the Commission-approved physical security, training and qualification, and safeguards contingency plans including amendments made pursuant to the provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The combined set of plans, which contain Safeguards Information protected under 10 CFR 73.21, is entitled: "Physical Security, Safeguards Contingency and Training & Qualification Plan," submitted by letter dated May 16, 2006.
- E. The licensee shall fully implement and maintain in effect all provisions of the Commission-approved cyber security plan (CSP), including changes made pursuant to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The licensee's CSP was approved by License Amendment No. 171 as supplemented by a change approved by License Amendment No.
- F. Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, EOI shall report any violations of the requirements contained in Section 2, Items C.(1); C.(3) through (9); and C.(11) through (16) of this license in the following manner: initial notification shall be made within 24 hours to the NRC Operations Center via the Emergency Notification System with written followup within 60 days in accordance with the procedures described in 10 CFR 50.73(b), (c) and (e).
- G. The licensee shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.
- H. This license is effective as of the date of issuance and shall expire at midnight on August 29, 2025.

FOR THE NUCLEAR REGULATORY COMMISSION

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Attachments 1-5
- 2. Appendix A - Technical Specifications (NUREG-1172)
- 3. Appendix B - Environmental Protection Plan
- 4. Appendix C - Antitrust Conditions

Date of Issuance: November 20, 1985

Revised: December 16, 1993

Amendment No. ~~70-79-85-119-135-171~~,
~~Revised by letter dated October 28, 2004~~
~~Revised by letter dated November 19, 2004~~
~~Revised by letter dated January 24, 2007~~

Attachment 5

RBG-47246

List of Regulatory Commitments

List of Regulatory Commitments

The following table identifies those actions committed to by RBS in this document. Any other statements in this submittal are provided for information purposes and are not considered to be regulatory commitments.

COMMITMENT	TYPE (Check One)		SCHEDULED COMPLETION DATE (If Required)
	ONE- TIME ACTION	CONTINUING COMPLIANCE	
River Bend will implement milestones 1, 2, 3, 4, 5, and 7 described in Attachment 4 of letter dated April 4, 2011, and the revised Milestone 6 in Attachment 4 of this submittal.	X		December 31, 2012