



**Entergy Nuclear Northeast**  
**Entergy Nuclear Operations, Inc.**  
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**Michael J. Colomb**  
Site Vice-President - JAF

JAFP-12-0072  
June 22, 2012

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

Subject: License Amendment Request – Cyber Security  
Plan Implementation Schedule Milestones  
James A. FitzPatrick Nuclear Power Plant  
Docket Nos. 50-333  
License Nos. DPR-59

- References:
1. NRC letter to Entergy, *Issuance of Amendment Re: Approval of Cyber Security Plan*, ML11152A011, dated August 19, 2011 (TAC NO. ME4267)
  2. Entergy letter to NRC, *Response to Additional Requests for Additional Information and Revision to the JAF Cyber Security Plan*, JAFP-11-0035, dated April 4, 2011 (TAC NO. ME4267)

Dear Sir or Madam:

In Reference 1, the NRC issued license Amendment No. 300 to the Renewed Facility Operating License for James A. FitzPatrick Nuclear Power Plant (JAF) that approved the JAF Cyber Security Plan and associated implementation milestone schedule. The Cyber Security Plan Implementation Schedule contained in Reference 2 was utilized as a portion the basis for the NRC's safety evaluation report provided by Reference 1. Entergy Nuclear Operations, Inc. (Entergy) 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 (FOL) for JAF. The JAF Cyber Security Plan, Revision 0 was previously provided in Reference 2.

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

Attachments 1 and 4 contains Sensitive Unclassified Non-Safeguards Information.  
When separated from Attachments 1 and 4, this transmittal document is decontrolled.

contains 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 the 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.

Entergy 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 Pechacek, Licensing Manager, at 315-349-6766.

I declare under penalty of perjury that the foregoing is true and correct. Executed on June 22, 2012.

Sincerely,



Michael J. Colomb  
Site Vice President

MC:JP:mh

- Attachments:
1. Analysis of Proposed Operating License Change
  2. Proposed JAF Facility Operating License (FOL) Changes (mark-up)
  3. Revised JAF Facility Operating License (FOL) Pages
  4. Revised Cyber Security Plan Implementation Schedule
  5. List of Regulatory Commitments

cc: next page

cc:

Mr. William Dean  
Regional Administrator, Region I  
U. S. Nuclear Regulatory Commission  
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King of Prussia, PA 19406-2713

Resident Inspector's Office  
U.S. Nuclear Regulatory Commission  
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Washington, DC 20555-0001

Mr. Mohan Thadani, Project Manager  
Plant Licensing Branch I-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
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Ms. Bridget Frymire  
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Albany, NY 12223

Mr. Francis J. Murray Jr., President  
New York State Energy and Research Development Authority  
17 Columbia Circle  
Albany, NY 12203-6399

Document Component(s):

001 Transmittal Letter JAFP-12-0072

002 JAFP-12-0072 Attachments 2, 3, and 5

003 JAFP-12-0072 Attachments 1 and 4 (Security-Related information)

**Attachment 1**

**JAFP-12-0072**

**Analysis of Proposed Operating License Change  
(5 Pages)**

**Attachment 2**

**JAFP-12-0072**

**Proposed JAF Facility Operating License (FOL) Changes (mark-up)  
(2 Pages)**

**FOL Page 3**

**FOL Page 5**

- (4) ENO pursuant to the Act and 10 CFR Parts 30, 40, and 70 to receive, possess, and use, at any time, any byproduct, source and special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration; or associated with radioactive apparatus, components or tools..
- (5) Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

C. This renewed operating license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; and is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

ENO is authorized to operate the facility at steady state reactor core power levels not in excess of 2536 megawatts (thermal).

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. ~~301~~, are hereby incorporated in the renewed operating license. The licensee shall operate the facility in accordance with the Technical Specifications.

(3) Fire Protection

ENO shall implement and maintain in effect all provisions of the approved fire protections program as described in the Final Safety Analysis Report for the facility and as approved in the SER dated November 20, 1972; the SER Supplement No. 1 dated February 1, 1973; the SER Supplement No. 2 dated October 4, 1974; the SER dated August 1, 1979; the SER Supplement dated October 3, 1980; the SER Supplement dated February 13, 1981; the NRC Letter dated February 24, 1981; Technical Specification Amendments 34 (dated January 31, 1978), 80 (dated May 22, 1984), 134 (dated July 19, 1989), 135 (dated September 5, 1989), 142 (dated October 23, 1989), 164 (dated August 10, 1990), 176 (dated January 16, 1992), 177 (dated February 10, 1992), 186 (dated February 19, 1993), 190 (dated June 29, 1993), 191 (dated July 7, 1993), 206 (dated February 28, 1994) and 214 (dated June 27, 1994); and NRC Exemptions and associated safety evaluations dated April 26, 1983, July 1, 1983, January 11, 1985, April 30, 1986, September 15, 1986 and September 10, 1992 subject to the following provision:

Safeguards Contingency Plan, Revision 0," submitted by letter dated October 26, 2004, as supplemented by letter dated May 17, 2006.

ENO shall fully implement in accordance with an NRC-approved implementation schedule and maintain in effect all provisions of the Commission-approved JAF Cyber Security Plan pursuant to 10 CFR 73.55(c)(6) and 10 CFR 73.54 (74 FR 13970) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The JAF Cyber Security Plan was approved by License Amendment No. 300 as supplemented by a change approved by License Amendment No.

E. Power Uprate License Amendment Implementation

The licensee shall complete the following actions as a condition of the approval of the power uprate license amendment.

(1) Recirculation Pump Motor Vibration

Perform monitoring of recirculation pump motor vibration during initial Cycle 13 power ascension for uprated power conditions.

(2) Startup Test Program

The licensee will follow a startup testing program, during Cycle 13 power ascension, as described in GE Licensing Topical Report NEDC-31897P-1, "Generic Guidelines for General Electric Boiling Water Reactor Power Uprate." The Startup test program includes system testing of such process control systems as the feedwater flow and main steam pressure control systems. The licensee will collect steady-state operational data during various portions of the power ascension to the higher licensed power level so that predicted equipment performance characteristics can be verified. The licensee will do the startup testing program in accordance with its procedures. The licensee's approach is in conformance with the test guidelines of GE Licensing Topical Report NEDC-31897P-1, "Generic Guidelines for General Electric Boiling Water Reactor Power Uprate." June 1991 (proprietary), GE Licensing Topical Report NEDO-31897, "Generic Guidelines for General Electric Boiling Water Reactor Power Uprate." February 1992 (nonproprietary), and NEDC-31897P-AA, Class III (proprietary), May 1992.

(3) Human Factors

The licensee will review the results of the Cycle 13 startup test program to determine any potential effects on operator training. Training issues identified will be incorporated in Licensed Operator training during 1997. Simulator discrepancies identified will be addressed in accordance with simulator Configuration Management procedural requirements.

F. Additional Conditions

The Additional Conditions contained in Appendix C, as revised through Amendment No. 289, are hereby incorporated into this renewed operating license. ENO shall operate the facility in accordance with the Additional Conditions.

**Attachment 3**

**JAFP-12-0072**

**Revised JAF Facility Operating License (FOL) Pages  
(2 Pages)**

**FOL Page 3**

**FOL Page 5**



- (4) ENO pursuant to the Act and 10 CFR Parts 30, 40, and 70 to receive, possess, and use, at any time, any byproduct, source and special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration; or associated with radioactive apparatus, components or tools..
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**Attachment 5**

**JAFP-12-0072**

**List of Regulatory Commitments  
(1 Page)**

**List of Regulatory Commitments**

The following table identifies those actions committed to by Entergy Nuclear Operations, Inc.(Entergy) in this document. Any other statements in this submittal are provided for information purposes and are not considered to be regulatory commitments.

<b>COMMITMENT</b>	<b>TYPE</b> (Check One)		<b>SCHEDULED COMPLETION DATE</b>  (If Required)
	<b>ONE- TIME ACTION</b>	<b>CONTINUING COMPLIANCE</b>	
Entergy will implement milestones 1, 2, 3, 4, 5, and 7 described in Attachment 4 of JAFP-11-0035, and the revised Milestone 6 in Attachment 4 of JAFP-12-0072.	X		December 31, 2012