



**Entergy Nuclear Northeast  
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**Lawrence M. Coyle**  
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JAFP-13-0112  
August 28, 2013

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

**Subject:** First Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond Design Basis External Events (Order Number EA-12-049)

James A. FitzPatrick Nuclear Power Plant  
Docket No. 50-333  
License No. DPR-059

- Reference:**
1. NRC Order Number, EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events, dated March 12, 2012
  2. NRC Interim Staff Guidance, JLD-ISG-2012-01, Compliance with Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events, Revision 0, dated August 29, 2012
  3. NEI 12-06, Diverse and Flexible Coping Strategies (FLEX) Implementation Guide, Revision 0, dated August 2012
  4. Entergy to NRC, JAFP-12-0124, Initial Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events (Order Number EA-12-049), dated October 29, 2012
  5. Entergy to NRC, JAFP-13-0025, Overall Integrated Plan in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events (Order Number EA-12-049), dated February 28, 2013

Dear Sir or Madam:

On March 12, 2012, the Nuclear Regulatory Commission (“NRC” or “Commission”) issued an order [Reference 1] to James A. FitzPatrick Nuclear Power Plant (JAF). Reference 1 was immediately effective and directs JAF to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling

capabilities in the event of a beyond-design-basis external event. Specific requirements are outlined in Attachment 2 of Reference 1.

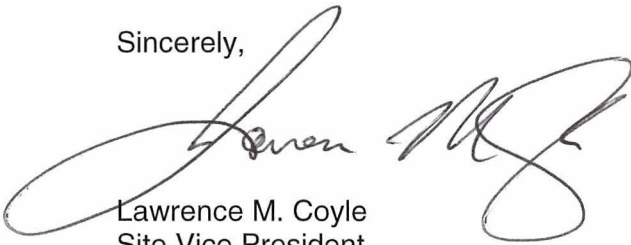
Reference 1 required submission of an initial status report 60 days following issuance of the final interim staff guidance [Reference 2] and an overall integrated plan pursuant to Section IV, Condition C.2. Reference 2 endorses industry guidance document NEI 12-06, Revision 0 [Reference 3] with clarifications and exceptions identified in Reference 2. Reference 4 provided the JAF initial status report regarding mitigation strategies. Reference 5 provided the JAF overall integrated plan.

Reference 1 requires submission of a status report at six-month intervals following submittal of the overall integrated plan. Reference 3 provides direction regarding the content of the status reports. The purpose of this letter is to provide the first six-month status report pursuant to Section IV, Condition C.2, of Reference 1, that delineates progress made in implementing the requirements of Reference 1. The attached report provides an update of milestone accomplishments since the last status report, including any changes to the compliance method, schedule, or need for relief and the basis, if any.

This letter contains no new regulatory commitments. If you have any questions regarding this report, please contact Chris M. Adner, Licensing Manager, at 315-349-6766.

I declare under penalty of perjury that the foregoing is true and correct. Executed on 28<sup>th</sup> day of August, 2013.

Sincerely,



Lawrence M. Coyle  
Site Vice President

LMC/CMA/mh

Attachment: James A. FitzPatrick Nuclear Power Plant's (JAF) First Six Month Status Report for the Implementation of Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events

cc: Director, Office of Nuclear Reactor Regulation  
NRC Regional Administrator  
NRC Resident Inspector  
Ms. Jessica A. Kratchman, NRR/JLD/PMB, NRC  
Mr. Mohan Thadani, Senior Project Manager  
Ms. Bridget Frymire, NYSPSC  
Mr. Francis J. Murray Jr., President NYSERDA

**JAFP-13-0112**

**Attachment**

**James A. FitzPatrick Nuclear Power Plant's (JAF) First Six Month Status Report for the Implementation of Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events**

**(3 Pages)**

**James A. FitzPatrick Nuclear Power Plant's (JAF) First Six Month Status Report for the Implementation of Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events**

**1. Introduction**

JAF developed an Overall Integrated Plan (Reference 1 in Section 8), documenting the diverse and flexible strategies (FLEX), in response to Reference 2. This attachment provides an update of milestone accomplishments since submittal of the Overall Integrated Plan, including any changes to the compliance method, schedule, or need for relief/relaxation and the basis, if any.

**2. Milestone Accomplishments**

The following milestone(s) have been completed since the development of the Overall Integrated Plan (Reference 1), and are current as of July 31, 2013.

None (first 6-month status update complete with submission of this document in August 2013).

**3. Milestone Schedule Status**

The following provides an update to Attachment 2 of the Overall Integrated Plan. It provides the activity status of each item, and whether the expected completion date has changed. The dates are planning dates subject to change as design and implementation details are developed.

<b>Milestone</b>	<b>Target Completion Date</b>	<b>Activity Status</b>	<b>Revised Target Completion Date</b>
60-day Status Update	October 29, 2012	Complete	
Submit Overall Integrated Plan	February 28, 2013	Complete	
6-month Status Update	August 2013	Complete	
Refine Strategies	September 2013	In Progress	December 2014
Perform Staffing Analysis	December 2013	Not Started	
Develop Strategies / Contract with RRC	January 2014	In Progress	May 2015
6-month Status Update	February 2014	Not Started	
Develop Mods	March 2014	Not Started	June 2015
Draft Implementing Procedures	March 2014	Not Started	June 2016
Regional Response Center Operational	TBD	In Progress	July 2015
Develop Storage Plan	May 2014	In Progress	June 2015
Purchase FLEX Equipment	June 2014	Not Started	Fall 2016

**James A. FitzPatrick Nuclear Power Plant's (JAF) First Six Month Status Report for the Implementation of Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events**

<b>Milestone</b>	<b>Target Completion Date</b>	<b>Activity Status</b>	<b>Revised Target Completion Date</b>
Issue Maintenance Procedures (for FLEX equipment)	August 2014	Not Started	Fall 2016
6-month Status Update	August 2014	Not Started	
Develop Training Plan	October 2014	Not Started	
Refueling Outage 1	Fall 2014	Not Started	
6-month Status Update	February 2015	Not Started	
Implement Training	May 2015	Not Started	
Implement Mods (non-outage)	June 2015	Not Started	
6-month Status Update	August 2015	Not Started	
6-month Status Update	February 2016	Not Started	
Issue Implementing Procedures	May 2016	Not Started	
6-month Status Update	August 2016	Not Started	
Implement Mods (outage)	Fall 2016	Not Started	
Implement Training Updates	Fall 2016	Not Started	
Refueling Outage 2 (full implementation)	Fall 2016	Not Started	

**4. Changes to Compliance Method**

There are no changes to the compliance method as documented in the Overall Integrated Plan [Reference 1].

The JAF integrated plan indicated compliance with the subject order would include implementation of NRC Order EA-12-050, "Issuance of Order to Modify License with Regard to Reliable Containment Hardened Vents". Subsequent to the submittal of the integrated plan, the NRC rescinded Order EA-12-050 and issued Order EA-13-109 "Issue of Order to Modify Licenses With Regard to Reliable Containment Vents Capable of Operation Under Severe Accident Conditions." JAF will implement requirements of Phase 1 of Order EA-13-109 instead of Order EA-12-050. Phase 1 of Order EA-13-109 currently requires implementation in 2016 at JAF and thus no change in schedule for compliance is currently contemplated.

**James A. FitzPatrick Nuclear Power Plant's (JAF) First Six Month Status Report for the Implementation of Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events**

**5. Need for Relief/Relaxation and Basis for the Relief/Relaxation**

JAF expects to comply with the order implementation date and no relief/relaxation is required at this time.

**6. Open Items from Overall Integrated Plan and Draft Safety Evaluation**

The following tables provide a summary of the open items documented in the Overall Integrated Plan or the Draft Safety Evaluation (SE) and the status of each item.

<b>Overall Integrated Plan Open Item</b>	<b>Status</b>
OI-1: Beyond-design-basis external event impact on requirements in existing licensing documents will be determined based on input from the industry groups and direction from the NRC.	Not Started
OI-2: The structure, content and details of the Regional Response Center playbook will be determined.	In Progress

<b>Draft Safety Evaluation Open Item</b>	<b>Status</b>
N/A	N/A

**7. Potential Draft Safety Evaluation Impacts**

The NRC has not yet issued draft safety evaluations for JAF; therefore, there are no potential impacts to the Draft Safety Evaluation identified at this time.

**8. References**

The following references support the updates to the Overall Integrated Plan described in this attachment.

1. Entergy letter, "Overall Integrated Plan in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events (Order Number EA-12-049)," JAFP-13-0025, dated February 28, 2013.
2. NRC Order Number EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," dated March 12, 2012.