



August 31, 2016

NG-16-0168
10 CFR 2.202

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

Duane Arnold Energy Center
Docket No. 50-331
Renewed Op. License No. DPR-49

NextEra Energy Duane Arnold Energy Center, LLC's Six Month Status Report in Response to March 12, 2012 Commission Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)

- References: 1) Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation" dated March 12, 2012 (ML12054A682)
- 2) Letter, R. Anderson (NextEra Energy Duane Arnold, LLC) to U.S. NRC, "NextEra Energy Duane Arnold, LLC's Overall Integrated Plan in Response to March 12, 2012 Commission Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," NG-13-0086 dated February 28, 2013 (ML13063A014)

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued Reference 1, an immediately effective Order to all licensees including NextEra Energy Duane Arnold, LLC (hereafter NextEra Energy Duane Arnold). In Reference 2, NextEra Energy Duane Arnold submitted an Overall Integrated Plan for the implementation of this Order. The Order required licensees to provide periodic status reports for the Overall Integrated Plan.

The purpose of this letter is to provide the next 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 enclosure to this letter:

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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.

If you have any questions or require additional information, contact Mike Matchinis at 319-851-7756.

I declare under penalty of perjury that the foregoing is true and correct.
Executed on August 31, 2016



T. A. Vehec
Vice President, Duane Arnold Energy Center
NextEra Energy Duane Arnold, LLC

Enclosure

cc: Regional Administrator, USNRC, Region III
Resident Inspector, USNRC, Duane Arnold Energy Center
Project Manager, USNRC, Duane Arnold Energy Center

Enclosure to NG-16-0168

NextEra Energy Duane Arnold, LLC's Six Month Status Report for the
Implementation of Order EA-12-051, Order Modifying Licenses with Regard to
Reliable Spent Fuel Pool Instrumentation

2 pages follow

**NEXTERA ENERGY DUANE ARNOLD, LLC
DUANE ARNOLD ENERGY CENTER**

**Six Month Status Report for the Implementation of Order EA-12-051, Order
Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation**

1. Introduction

NextEra Energy Duane Arnold, LLC (hereafter, NextEra Energy Duane Arnold) developed an Overall Integrated Plan (Reference 1), documenting the planned modification with regard to Reliable Spent Fuel Pool Instrumentation (SFPI) in response to Reference 2. This enclosure provides an update of milestone accomplishments since submittal of the Overall Integrated Plan and the last status update, including any changes to the compliance method, schedule, or need for relief/relaxation and the basis, if any.

2. Milestone Accomplishments

The following milestone has been completed since the submittal of the last status update (Reference 7), and is current as of August 19, 2016.

- Complete Installation of SFP Instruments

3. Milestone Schedule Status

The dates are planning dates subject to change as design and implementation details are developed.

Milestone	Target Completion Date	Activity Status	Revised Target Completion Date
Commence Engineering and Design	In Progress	Completed	N/A
Complete Design	4Q 2015	Completed	N/A
Complete Procurement of SFP Instruments	2Q 2016	Completed	N/A
Complete Installation of SFP Instruments	4Q 2016	Completed	N/A
Instruments Operational and Training Complete	4Q 2016	Started	N/A

4. Changes to Compliance Method

There are no changes to the compliance method as documented in the Overall Integrated Plan and past status updates.

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

Duane Arnold is not requesting relief from the requirements of Order EA-12-051 (Reference 2) at this time.

6. Requests for Additional Information

The NRC staff determined that additional information was required to enable the continued technical review of the NextEra Energy Duane Arnold's Overall Integrated Plan (OIP). Requests for Information (RAIs) were provided in Reference 4 as corrected by Reference 5. Per a letter to all licensees, (Reference 6), the NRC notified licensees to not formally submit responses to RAIs on the docket, but instead provide their responses and supporting information on their ePortals. The DAEC RAI responses and supporting information were uploaded to the CERTREC ePortal in December of 2015.

7. References

- 1) Letter, R. Anderson (NextEra Energy Duane Arnold, LLC) to U.S. NRC, "NextEra Energy Duane Arnold, LLC's Overall Integrated Plan in Response to March 12, 2012 Commission Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," NG-13-0086 dated February 28, 2013 (ML13063A014)
- 2) Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation" dated March 12, 2012 (ML12054A682)
- 3) Letter, T.A. Vehec (NextEra Energy Duane Arnold, LLC) to U.S. NRC, "NextEra Energy Duane Arnold Energy Center, LLC's Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," NG-15-0280 dated August 27, 2015 (ML15243A033)
- 4) NRC Letter, "Duane Arnold Energy Center-Interim Staff Evaluation and Request For Additional Information Regarding the Overall Integrated Plan for Implementation of Order EA-12-051, Reliable Spent Fuel Pool Instrumentation," dated November 26, 2013 (ML13323B443)
- 5) NRC Letter, "Correction Letter-Duane Arnold Energy Center Regarding Interim Staff Evaluation and Request for Additional Information for Reliable Spent Fuel Pool Instrumentation (Order EA-12-051)," dated January 17, 2014 (ML14007A215)
- 6) NRC Letter dated March 26, 2014, Nuclear Regulatory Commission Audits of Licensee Responses to Reliable Spent Fuel Pool Instrumentation Order EA-12-051 (ML14083A620)
- 7) Letter, T.A. Vehec (NextEra Energy Duane Arnold, LLC) to U.S. NRC, "NextEra Energy Duane Arnold Energy Center, LLC's Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," NG-16-0047 dated February 29, 2016 (ML16064A022)