



January 27, 2017

NG-17-0011
10 CFR 50.55a

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

Inservice Inspection Report

In accordance with the Code of Federal Regulations, Title 10, Part 50.55a, NextEra Energy Duane Arnold, LLC, submits the attached Inservice Inspection (ISI) Summary Report (Owner's Activity Report, Form OAR-1) for the Duane Arnold Energy Center (DAEC).

This report has been prepared in accordance with Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 2001 Edition through 2003 Addenda, and ASME Code Case N-532-4. This report includes the examinations performed at the DAEC during Cycle 25 operations and Refueling Outage RFO25 of the fourth 10-year ISI interval.

This letter contains no new commitments nor revises any previous commitments.

If you have any questions, please contact J. Michael Davis at (319) 851-7032.

A handwritten signature in black ink that reads "Dean Curtland".

Dean Curtland
Director, Site Operations
NextEra Energy Duane Arnold, LLC

Attachment

cc: Administrator, Region III, USNRC
Project Manager, DAEC, USNRC
Senior Resident Inspector, DAEC, USNRC

AD47
NRR

NextEra Energy Duane Arnold, LLC
Duane Arnold Energy Center

Inservice Inspection
Summary Report
For
RFO 25

Duane Arnold Energy Center
3277 DAEC Rd
Palo, IA 52324

Date of Commercial Service
February 1, 1975

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Section 1

Summary

The Duane Arnold Energy Center, Fourth Ten-Year Inservice Inspection (ISI) Plan was developed to comply with 10 CFR 50.55a(g), which implements, by reference, the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 2001 Edition through 2003 Addenda.

The following summary report is being submitted pursuant to the reporting requirements of ASME Section XI as amended by ASME Code Case N-532-4, "Repair/Replacement Activity Documentation Requirements and Inservice Summary Report Preparation and Submission Section XI, Division 1."


This summary report contains the Form OAR-1 Owner's Activity Report and Tables 1 and 2 of the ASME Code Case N-532-4 with information for Duane Arnold Energy Center during Cycle 25 and Refueling Outage RFO25. This is the last outage of the third period in the fourth inspection interval and includes Repair/Replacement Activities from November 24, 2014 to October 31, 2016.

Section 2
OAR-1 Form
Owner's Activity Report
FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number NG-17-0011
Plant Duane Arnold Energy Center, 3277 DAEC Road, Palo, IA 52324
Unit No. 1 Commercial Service Date February 1, 1975 Refueling Outage No. RFO25
Current Inspection Interval ISI - Fourth Interval IWE - Second Interval
Current Inspection period ISI - Third Period IWE - Third Period
Edition and Addenda of Section XI applicable to the inspection plan 2001 Edition with 2003 Addenda
Date and revision of inspection plan ISI - October 26, 2016 Rev. 10 IWE - November 15, 2015 Rev.3
Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plan Same
Code Cases used: N-460, N-508-4, N-532-4

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this Owner's Activity Report are correct; (b) and the examinations and tests met the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of RFO25 conform to the requirements of Section XI.


Signed  R. D. Gil OWNER
R. D. Gil Owner or Owner's Designee, Title

Date 1/11/17

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Iowa and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacements activities and evaluation described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.


Inspector's Signature
Date 1-12-2017

Commissions NB14084ANI, IA1622
National Board, State, Province, and Endorsements

Section 3

Table 1

Items with Flaws or Relevant Condition that Required
Evaluation for Continued Service

Examination Category and Item Number	Item Description	Evaluation Description
N/A	N/A	N/A

Section 4

Table 2

Abstract of Repair/Replacement Activities
Required for Continued Service

Code Class	Repair Replacement Corrective Measure	Item Description	Description of Work	Flaw or Relevant Condition Found during Scheduled Section XI Exam or Test (Yes/No)	Date Completed	Repair/ Replacement Plan Number
2	Replacement	MO2009, RHR Pump Min. flow Bypass Valve	Replaced valve due to internal erosion damage	No	1/11/16	40201185-02
3	Replacement	1E237B, 'B' Control Building Chiller Oil Cooler - Oil Cooler Head	Replaced cooler head due to waterside corrosion damage	No	3/19/15	40322348-01