



February 19, 2015

NG-15-0020
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 with addenda through 2003, and ASME Code Case N-532-4. This report includes the examinations performed at the DAEC during Cycle 24 operations and Refueling Outage No. 24 (RFO24) 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, appearing to be "T. A. Vehec".

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

Attachment

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

A047
NRR

NextEra Energy Duane Arnold, LLC
Duane Arnold Energy Center

Inservice Inspection
Summary Report
For
Cycle 24 and RFO 24

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 with 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.

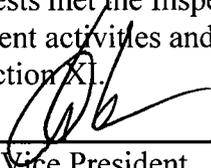
This summary report contains the Form OAR-1 Owner's Activity Report and Tables 1 and 2 of the Code Case for Duane Arnold Energy Center during Cycle 24 and Refueling Outage No. 24 (RFO24). Delamination found on the Torus was evaluated for continued service under Condition Evaluation 2003574-02. RFO24 is the first outage of the third period in the fourth inspection interval. This report includes Repair/Replacement Activities from November 27, 2012 to November 25, 2014.

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

Report Number NG-15-0020
Plant Duane Arnold Energy Center, 3277 DAEC Road, Palo, IA 52324
Unit No. 1 Commercial Service Date February 1, 1975 Refueling Outage No. RFO24
Current Inspection Interval ISI - Fourth Interval IWE – Second Interval
Current Inspection period ISI - Third Period IWE – Second Period
Edition and Addenda of Section XI applicable to the inspection plan 2001 Edition with 2003 Addenda
Date and revision of inspection plan ISI - April 8, 2014 Rev. 9 IWE – December 6, 2011 Rev. 2
Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plan Same
Code Cases used: N-460, N-532-4, N-702

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 RFO24 conform to the requirements of Section XI.

Signed  Date 2/12/15
Site Vice President

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 HSBCT 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 2/13/2015

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
IWE E-C E4.11	Torus Shell Surfaces Accessible areas and Wetted Areas	CE 2003574-02 Evaluation of coatings which compared coating thickness allowances in accordance with calculation CAL-A11-001

Section 4

Table 2

Abstract of Repair/Replacement Activities
Required for Continued Service

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
3	1E235A Chiller Condenser	Replaced Head	06/12/2014	40250850-01
3	1E235B Chiller Condenser	Replaced Head	06/26/2014	40309663-02
3	1E237B Chiller Oil Cooler	Replaced Head	06/26/2014	40311201-01
3	1E053B3 Jacket Water Cooler	Weld Repair Cover Plate	07/08/2014	40292949-01
2	V22-0017 HPCI Turbine Steam Exhaust Check/Stop Valve	Repaired Disc	11/01/2014	40210757-07
2	Pipe Support on EBC008	Replace Pipe Strap	11/02/2014	40267420-01
2	1T219B Pipe Support	Replace Pipe Strap	11/02/2014	40272112-01
2	EBB014 HPCI Steam Supply	Replaced Pipe Clamp	11/21/2014	40077652-01

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February 19, 2015

F. Dohmen

S. Presler

IRMS

D. Church

GDS Associates, Inc.

CTS Project

ORG (P. Vandersee)

CNRB

M. Davis

Ryan Lange (ANII)

G. Pry

D. Slivon

Subject: Inservice Inspection Report