



July 23, 2010

NG-10-0376
10 CFR 50.36a

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

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

Reference: Letter from Christopher R. Costanzo (NextEra Energy Duane Arnold) to Document Control Desk (USNRC) dated April 30, 2010, "2009 Annual Radioactive Material Release Report" and "Annual Radiological Environmental Operating Report," NG-10-0265 (ML101270480)

Revision to Annual Radioactive Material Release Report

In the referenced letter, NextEra Energy Duane Arnold, LLC (hereafter, NextEra Energy Duane Arnold) submitted the Annual Radioactive Material Release Report as Enclosure 1. This report satisfies the requirements of Offsite Dose Assessment Manual (ODAM) Section 8.2.1 and Technical Specification Section 5.6.3.

A recent review of the referenced submittal by NextEra Energy Duane Arnold revealed that certain data on Page 14 of the report is incorrect. The Site Historical Comparison data table is hereby corrected to specify that the activity for 2008 is 134 Curies (Ci) instead of $1.34E+05$ Ci and the activity for 2009 is 58.2 Ci instead of $5.82E+04$ Ci. The title of the table provided on Page 16 of the report is also being corrected to specify "Summary of Radioactive Solid Waste - Contaminated Liquids" instead of "Summary of Radioactive Solid Waste - Class C" to reflect the actual content of the table. The enclosure to this letter provides replacement pages 14 and 16 of the 2009 Annual Radioactive Material Release Report.

NextEra Energy Duane Arnold regrets these errors and we sincerely apologize for any inconvenience this may cause the Staff.

If you have any questions, please contact Steve Catron at (319) 851-7234.

A handwritten signature in black ink, appearing to read "Chris Costanzo".

Christopher R. Costanzo
Vice President, Duane Arnold Energy Center
NextEra Energy Duane Arnold, LLC

Enclosure

ENCLOSURE

REVISION TO ANNUAL RADIOACTIVE MATERIAL RELEASE REPORT

Shipments in 2009

Listed below are tables summarizing the Duane Arnold Energy Center's generation of Radioactive Solid Waste for the period of January 1, 2009 through December 31, 2009.

Shipments Made To Burial Facilities In 2009:

WASTE TYPE	NO. SHIPMENTS	VOLUME (ft ³)	ACTIVITY (mCi)
Resin	3	5.16E+02	5.71E+04
DESTINATION	Energy Solutions, Containerized Waste Facility and Bulk Waste Facility Clive, Utah		

Shipments Made To Processing Facilities:

WASTE TYPE	NO. SHIPMENTS	VOLUME (ft ³)	ACTIVITY (mCi)
DAW	5	1.11E+04	1.05E+03
Contaminated Liquids	1	6.67E+01	3.73E+00
DESTINATION	Energy Solutions, Containerized Waste Facility and Bulk Waste Facility Clive, Utah		

Total Solid Waste Disposition:

WASTE	VOLUME (ft ³)	ACTIVITY (mCi)
Shipped	1.17E+04	5.82E+04
Buried	1.16E+04	5.82E+04

SOLIDIFICATION AGENT: None

MODE OF TRANSPORTATION: Exclusive-Use Vehicle (Trucks).

Waste Classification Per 10 CFR 61	NUMBER OF SHIPMENTS IN 2009
A-Unstable	9
A-Stable	0
B	0
C	0

Site Historical Comparison:

Year	Volume Buried(ft ³)	Activity (Ci)
2004	1.45E+03	586
2005	1.51E+04	56.6
2006	3.18E+03	11400.0
2007	1.40E+04	110.0
2008	5.42E+03	134.0
2009	1.16E+04	58.2

Summary of Radioactive Solid Waste – Contaminated Liquids

(January 1, 2009 - December 31, 2009)

MAJOR NUCLIDE COMPOSITION

Table 6 Contaminated Liquids

Principle Nuclide	1st QTR (mCi)	2nd QTR (mCi)	3rd QTR (mCi)	4th QTR (mCi)	Total (mCi)	Percent Abundance
Am-241	0.00E+00	0.00E+00	3.71E-05	0.00E+00	3.71E-05	0.001%
C-14	0.00E+00	0.00E+00	8.70E-04	0.00E+00	8.70E-04	0.023%
Ce-144	0.00E+00	0.00E+00	2.93E-03	0.00E+00	2.93E-03	0.078%
Cm-242	0.00E+00	0.00E+00	1.63E-06	0.00E+00	1.63E-06	0.000%
Cm-243	0.00E+00	0.00E+00	1.56E-05	0.00E+00	1.56E-05	0.000%
Co-58	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.000%
Co-60	0.00E+00	0.00E+00	1.04E+00	0.00E+00	1.04E+00	27.955%
Cs-137	0.00E+00	0.00E+00	5.53E-02	0.00E+00	5.53E-02	1.480%
Fe-55	0.00E+00	0.00E+00	1.56E+00	0.00E+00	1.56E+00	41.711%
H-3	0.00E+00	0.00E+00	1.05E-03	0.00E+00	1.05E-03	0.028%
I-129	0.00E+00	0.00E+00	2.50E-04	0.00E+00	2.50E-04	0.007%
K-40	0.00E+00	0.00E+00	9.78E-01	0.00E+00	9.78E-01	26.202%
Mn-54	0.00E+00	0.00E+00	9.79E-03	0.00E+00	9.79E-03	0.262%
Ni-59	0.00E+00	0.00E+00	2.06E-02	0.00E+00	2.06E-02	0.550%
Ni-63	0.00E+00	0.00E+00	4.28E-02	0.00E+00	4.28E-02	1.146%
Pu-238	0.00E+00	0.00E+00	1.22E-05	0.00E+00	1.22E-05	0.000%
Pu-239	0.00E+00	0.00E+00	2.57E-05	0.00E+00	2.57E-05	0.001%
Pu-241	0.00E+00	0.00E+00	1.73E-03	0.00E+00	1.73E-03	0.046%
Sb-125	0.00E+00	0.00E+00	1.80E-02	0.00E+00	1.80E-02	0.482%
Sr-90	0.00E+00	0.00E+00	4.76E-04	0.00E+00	4.76E-04	0.013%
Tc-99	0.00E+00	0.00E+00	4.55E-04	0.00E+00	4.55E-04	0.012%
Zn-65	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.000%
Totals	0.00E+00	0.00E+00	3.73E+00	0.00E+00	3.73E+00	100.00%

Note: H-3, C-14, Tc-99 and I-129 are required to be manifested per 10 CFR 20, Appendix G.

Tc-99 and I-129 represent Minimum Detectable Activity (MDA) values

These two nuclides are calculated from uCi/cc on manifest by the material volume

No Contaminated Liquid shipments made in 1st, 2nd or 4th Quarters of 2009