



**Entergy Nuclear Northeast
Entergy Nuclear Operations, Inc.**

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JAFP-11-0137
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U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Subject: Corrections to the 2010 Annual Radioactive Effluent Release Report
Entergy Nuclear Operations, Inc.
James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
License No. DPR-59

Reference: 1. Entergy Letter, 2010 Annual Radioactive Effluent Release Report,
JAFP-11-0055, dated April 29, 2011.

Dear Sir or Madam:

Enclosure 1 to this letter provides a revision to the 2010 James A. FitzPatrick Nuclear Power Plant's (JAF) Annual Radioactive Effluent Release Reports. The Solid Waste and Irradiated Fuel Shipments data was incorrect as submitted in the original submittal [Reference 1]. The enclosure to this letter contains a revised page of Table 3A. The correction concerns the number provided for on line 1.d for Class "A" other waste, which was incorrect due to a unit conversion error.

The format used for the effluent data is outlined in Appendix B of Regulatory Guide 1.21, Revision 1. Distribution is in accordance with Regulatory Guide 10.1, Revision 4.

There are no commitments contained in this letter.

If you have any questions concerning the enclosed report corrections, please contact Eric Wolf, Radiation Protection Manager, at (315) 349-6455.

Sincerely,

Joseph Pechacek
Licensing Manager - JAF

JP/ed/tp

Enclosure: Corrected Table 3A

cc: next page

cc: Mr. William Dean
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ENCLOSURE 1

**Corrected Table 3A
(2 Pages with Index)**

ENCLOSURE INDEX

2010 Table 3A, Solid Waste and Irradiated Fuel Shipments

1 Page

ENTERGY NUCLEAR OPERATIONS, INC.
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT
JANUARY 2010 – DECEMBER 2010

**TABLE 3A
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS**

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL (NOT IRRADIATED FUEL)

1. <u>Type of Waste</u>	<u>UNIT</u>	<u>12-month Period</u>			<u>EST. TOTAL ERROR %</u>
		<u>CLASS A</u>	<u>CLASS B</u>	<u>CLASS C</u>	
a. Spent resins, filter sludges, evaporator bottoms, etc.	m ³ Ci	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00
b. Dry compressible waste, contaminated equipment, etc.	m ³ Ci	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00
c. Irradiated components, control rods, etc.	m ³ Ci	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00
d. Other: Dry compressible waste, contaminated equipment, spent resins contaminated oil, glycol and water for volume reduction.	m ³ Ci	1.76E+03 4.93E+01	0.00E+00 0.00E+00	0.00E+00 0.00E+00	1.00E+01 1.00E+01

2. Estimate of Major Nuclide Composition (by type of waste)

a. Spent resins, filter sludges, evaporator bottoms, etc.

None

b. Dry compressible waste, contaminated equipment, etc.

None

c. Irradiated components, control rods, etc.

None

d. Other: Dry compressible waste, contaminated equipment, spent resins contaminated oil, glycol and water for volume reduction.

<u>Isotope</u>	<u>Percent</u>	<u>Curies</u>		<u>Isotope</u>	<u>Percent</u>	<u>Curies</u>	
Cerium-144	4.11E-02	2.03E-02	E	Cobalt-58	1.23E-02	6.06E-03	E
Cobalt-60	1.36E+01	6.69E+00	E	Cesium-134	5.31E-01	2.62E-01	E
Cesium-137	3.88E+00	1.91E+00	E	Iron-55	6.25E+01	3.08E+01	E
Carbon-14	8.06E-01	3.98E-01	E	Manganese-54	3.25E+00	1.61E+00	E
Nickel-63	5.96E+00	2.94E+00	E	Strontium-90	7.15E-01	3.53E-01	E
Zinc-65	8.65E+00	4.27E+00	E	Hydrogen-3	1.17E-01	5.78E-02	E

(E- Estimated M- Measured)

Percentage of nuclides and total activities are based on a combination of direct measurements and scaling for non-gamma emitting nuclides.