



Department of Energy  
Ohio Field Office  
Fernald Environmental Management Project  
P. O. Box 538705  
Cincinnati, Ohio 45253-8705  
(513) 648-3155



4744

DEC 31 2002

Mr. Christopher Jones, Director  
Ohio Environmental Protection Agency  
Lazarus Government Center  
122 South Front Street  
Columbus, OH 43215

DOE-0157-03

Dear Mr. Jones:

**ONE-TIME NOTIFICATION AND CERTIFICATION OF SHIPMENTS OF URANIUM WASTE**

Enclosed is a signed copy of a one-time notification and certification required under 40 Code of Federal Regulations 268.9(d) and Ohio Administrative Code 3745-270-09(D) for uranium waste that formerly exhibited the characteristics of a hazardous waste. This notification and certification pertains to uranium waste treated on-site by chemical stabilization and solidification under the Neutralization-Precipitation-Deactivation-Stabilization Project to applicable treatment standards for land disposal. This waste has been shipped to the Nevada Test Site for land disposal and has met all waste acceptance criteria for disposal as low-level radioactive waste.

If you have any questions, or require additional information, please contact me at (513) 648-3145.

Sincerely,

Johnny W. Reising  
Fernald Remedial Action  
Project Manager

FEMP:Sattler

Enclosures: As Stated

4744

Mr. Christopher Jones

-2-

DOE-0157-03

cc w/enclosures:

J. A. Saric, USEPA

P. Pardi, OEPA - Dayton

T. Schneider, OEPA - Dayton

cc w/o enclosures:

R. J. Bell, OH/FEMP

J. B. Buckley, Jr., Fluor Fernald, Inc./MS52-3

B. E. Davis, Fluor Fernald, Inc./MS52-3

W. S. Heffron, Fluor Fernald, Inc./MS50

T. A. Poff, Fluor Fernald, Inc./MS65-2

J. Samples, Fluor Fernald, Inc./MS50

R. Schulten, Fluor Fernald, Inc./MS50

RCRA Operating Record, Fluor Fernald, Inc./MS65-2

Notice and Certification

Between June 20 and September 12, 2002, 38 shipments of waste (NTS shipment numbers 02-156 through 02-160, 02-167, 02-168, 02-170 through 02-175, 02-181 through 02-189, 02-191 through 02-196, 02-198 through 02-202, 02-207, 02-209 through 02-211, and 02-228) that formerly exhibited one or more characteristics of a hazardous waste were made from the "Originating Facility" identified below to the "RCRA Subtitle D Facility" identified below. At the time of shipment, the waste no longer exhibited a characteristic of hazardous waste.

Originating Facility

Fernald Environmental Management Project  
7400 Willey Road  
Hamilton, Ohio 45013-9402  
EPA Identification Number: OH6890008976

RCRA Subtitle D Facility

Nevada Test Site - Zone 2  
Mercury, Nevada 89023

- (A) The characteristic waste, as initially generated, had the following EPA hazardous waste number(s), belonged in the following treatment/regulatory subcategory(ies), and had the following physical form(s). The waste was treated onsite to remove the hazardous characteristic(s) and comply with treatment standards specified in 40 CFR 268.40 (reference Attachment A).
- (B) The characteristic waste, as initially generated, had the following EPA hazardous waste number(s), belonged in the following treatment/regulatory subcategory(ies), had the following physical form(s), and contained the following underlying hazardous constituents [as defined in 40 CFR 268.2(i)]. The waste was treated onsite to remove the hazardous characteristic and to treat underlying hazardous constituents to levels in 40 CFR 268.48 (reference Attachment B).

Hazardous waste number(s) before treatment

Treatment/regulatory subcategory(ies) and physical form(s)

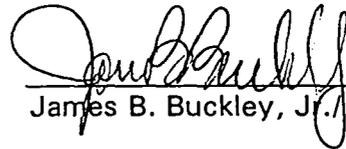
Underlying hazardous constituents

See Attachments A and B

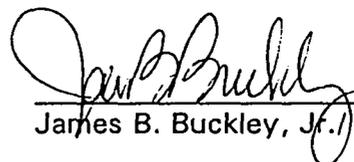
See Attachments A and B

See Attachments A and B

(1) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR 268.40 with out impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

 12/23/02  
James B. Buckley, Jr. Date

(2) I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in 40 CFR 268.2(i), have been treated onsite to meet 40 CFR 268.48 Universal Treatment Standards. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

 12/23/02  
James B. Buckley, Jr. Date

Post-treatment MEF	Verification	Pre-treatment MEF	Hazardous Waste Numbers Before Treatment	Treatment/Regulatory Subcategory	Physical Form	Underlying Hazardous Constituents	Applicable Certification
2925	3386	2225	D005, D007	Not Applicable	Wastewater	Not Applicable*	1
2761	1723	20047	D004, D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	1723	50387	D005	Not Applicable	Nonwastewater	Not Applicable*	1
2761	1727	10013	D005, D007	Not Applicable	Nonwastewater	Not Applicable*	1
2761	1733	50148	D004	Not Applicable	Nonwastewater	Not Applicable*	1
2761	1845	60305	D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	1852	2483	D007	Not Applicable	Nonwastewater	Not Applicable*	1
2761	1852	50367	D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	2176	60307	D005, D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	2177	10002	D005, D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	2178	2932	D004, D005, D006, D007, D008, D010, D011	Not Applicable	Nonwastewater	Not Applicable*	1
2761	2212	20013	D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	2398	2090	D005, D006, D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	2398	2418	D009	Low Mercury	Nonwastewater	Not Applicable*	1
2761	2398	2960	D006, D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	2398	50148	D004	Not Applicable	Nonwastewater	Not Applicable*	1
2761	2399	2887	D006, D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	2420	1381	D006, D011	Not Applicable	Nonwastewater	Not Applicable*	1
2761	2957	2998	D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	3129	20013	D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	3384	3075	D007	Not Applicable	Nonwastewater	Not Applicable*	1
2761	3788	2773	D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	3788	3076	D005	Not Applicable	Nonwastewater	Not Applicable*	1
2761	3808	3177	D006	Not Applicable	Nonwastewater	Not Applicable*	1
2761	5580	2977	D007, D008	Not Applicable	Wastewater	Not Applicable*	1
2761	5587	2947	D010	Not Applicable	Nonwastewater	Not Applicable*	1
2761	5587	2960	D006, D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	5587	3056	D008	Not Applicable	Nonwastewater	Not Applicable*	1
2761	5588	3025	D005	Not Applicable	Nonwastewater	Not Applicable*	1
2761	5588	3055	D005	Not Applicable	Nonwastewater	Not Applicable*	1
2761	5591	817	D008	Not Applicable	Nonwastewater	Not Applicable*	1
<p>* Note: this waste was treated by stabilization during 1996 and 1997 to Phase II treatment standards in effect at the time of treatment. Under Phase II treatment standards, radioactive mixed waste that was characteristic for TC metals (D004 - D011) was only required to be treated to remove the characteristic and was not required to be treated for underlying hazardous constituents. Per 40 CFR 268.40(h), radioactive mixed waste that was treated by stabilization for TC metals (D004 - D011) to treatment standards in effect prior to the effective date of Phase IV standards (8/24/98) is not required to be retreated to meet Phase IV standards prior to land disposal.</p>							

4744

f

Attachment B

Post -treatment MEF	Verification	Pre-treatment MEF	Hazardous Waste Numbers Before Treatment	Treatment/Regulatory Subcategory	Physical Form	Underlying Hazardous Constituents	Applicable Certification
2945	2130	700	D001	Low TOC Ignitable Waste	Nonwastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	2150	30080	D002, D004, D007, D008, D011	Not Applicable	Nonwastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	2150	60095	D002, D005	Not Applicable	Nonwastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	2151	60095	D002, D005	Not Applicable	Nonwastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	2153	1575	D002	Not Applicable	Wastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	3386	3057	D002, D007	Not Applicable	Wastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	3386	3077	D002, D007, D008	Not Applicable	Wastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	3386	3161	D002	Not Applicable	Wastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2

-4744

5

## Attachment B

Post -treatment MEF	Verification	Pre-treatment MEF	Hazardous Waste Numbers Before Treatment	Treatment/Regulatory Subcategory	Physical Form	Underlying Hazardous Constituents	Applicable Certification
2925	4162	844	D002, D005, D007	Not Applicable	Wastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	4162	2210	D001	Low TOC Ignitable Waste	Wastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	4162	2228	D002, D008	Not Applicable	Wastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	5578	2228	D002, D008	Not Applicable	Wastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	5579	3024	D001	Low TOC Ignitable Waste	Nonwastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	5579	3053	D001	Low TOC Ignitable Waste	Nonwastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	5589	844	D002, D005, D007	Not Applicable	Wastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2
2925	5590	1210	D001, D003	Low TOC Ignitable Waste, Explosives	Nonwastewater	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Silver, Thallium	1 and 2

4744