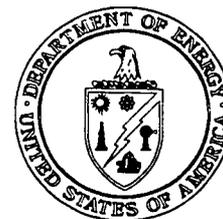




Department of Energy

**Ohio Field Office
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246
(513) 648-3155**



APR 25 2005

Mr. James A. Saric, Remedial Project Manager
United States Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0229-05

Mr. Thomas Schneider, Project Manager
Ohio Environmental Protection Agency
Southwest District Office
401 East Fifth Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

TRANSMITTAL OF A CHANGE PAGE TO ADDENDUM 3 TO THE CERTIFICATION REPORT FOR AREA 1, PHASE II

- References:
- 1) DOE-0180-05, W. Taylor to J. Saric/T. Schneider, "Transmittal of Addendum 3 to the Certification Report for Area 1, Phase II," dated March 4, 2005
 - 2) Letter, T. Schneider to W. Taylor, "Approval - Addendum to the Certification Report for Area 1, Phase II," dated March 16, 2005
 - 3) Letter, J. Saric to J. Reising, "A1,P2 Addendum 3," dated April 5, 2005

Enclosed for your information is a change page for Table 5-1 of Addendum 3 to the Certification Report for Area 1, Phase II in response to Ohio Environmental Protection Agency's (OEPA) approval and comment as noted in Reference 2. This addendum has already been approved by the U.S. Environmental Protection Agency (EPA); as noted in Reference 3. The OEPA comment for Table 5-1 stated:

"In the Radium-226 column, under the line Max>=Limit, the table says Yes. For Radium-226, the limit is 1.7 while the maximum sample value was 1.15. It would appear the referenced block should say No. Please correct."

Mr. James A. Saric
Mr. Tom Schneider

-2-

DOE-0229-05

The change page corrects this typographical error that was contained in the Radium-226 column under the line Max>=Limit. The referenced line stated "yes" but should have been "no", indicating that there were no Radium-226 results in the data set greater than the limit of 1.7 Pico Curies per gram.

If you have any questions or require additional information, please contact Johnny Reising at (513) 648-3139.

Sincerely,


for William J. Taylor
Director

FCP:Reising

Enclosure: As Stated

cc w/enclosure:

D. Pfister, OH/FCP
J. Reising, OH/FCP
T. Schneider, OEPA-Dayton (three copies of enclosure)
G. Jablonowski, USEPA-V, SR-6J
F. Bell, ATSDR
M. Cullerton, Tetra Tech
M. Shupe, HSI GeoTrans
R. Vandegrift, ODH
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosure:

K. Alkema, Fluor Fernald, Inc./MS01
J. Chiou, Fluor Fernald, Inc./MS88
F. Johnston, Fluor Fernald, Inc./MS99
C. Murphy, Fluor Fernald, Inc./MS77
ECDC, Fluor Fernald, Inc./MS52-7

**ADDENDUM TO THE
CERTIFICATION REPORT
FOR AREA 1, PHASE II**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



APRIL 2005

**U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE**

**20710-RP-0016
REVISION 0
ADDENDUM 3
PCN 1**

REVISION SUMMARY

<u>Revision</u>	<u>Date</u>	<u>Description of Revision</u>
Revision 0	9-28-00	Initial controlled issuance.
PCN 1	11-7-00	Correction of inaccurate reference to failed CUs in Paragraph 1 of the Executive Summary, an incorrectly reported analytical result unit on Page 3-3 and information on the failed CUs in Section 5.1.5.
Addendum 1	1-22-02	Created to include coverage of the Equipment Wash Facility, associated drainage line, and the immediate surrounding area.
Addendum 2	7-1-04	Revised to include updated statistics for CU A1P2-S3HR-04 due to debris discovered during site preparation excavation activities for the construction of the OSDF Cell 7 and 8 liners.
Addendum 3	3-1-05	Revised to include coverage of the footprint of the Debris Haul Road, which is located north of the former OSDF Equipment Wash Facility.
Addendum 3 PCN 1	4-18-05	Revised Table 5-1 to correct typographical error requested by OEPA.

**TABLE 5-1
STATISTICAL ANALYSIS FOR CU A1P2-DHR**

Sample ID	Radium-226	Radium-228	Thorium-228	Thorium-232	Uranium, Total	Arsenic	Beryllium	Lead
A1P2-DHR-10	0.990 -	0.794 -	0.795 -	0.794 -	3.48 -	6.6 J	0.73 -	10.6 J
A1P2-DHR-12	1.100 -	0.822 -	0.815 -	0.822 -	4.43 -	8.8 J	0.91 -	14.1 J
A1P2-DHR-13	0.948 -	0.707 -	0.715 -	0.707 -	4.75 -	7.0 J	0.76 -	11.8 J
A1P2-DHR-14	0.941 -	0.893 -	0.902 -	0.893 -	4.50 -	7.6 J	0.76 -	12.1 J
A1P2-DHR-16	0.811 -	0.644 -	0.656 -	0.644 -	2.07 J	9.5 J	1.10 -	15.5 J
A1P2-DHR-2	0.646 -	0.512 -	0.502 -	0.512 -	4.55 J	12.0 J	0.35 -	8.5 J
A1P2-DHR-3	0.870 -	0.671 -	0.686 -	0.671 -	4.83 -	6.6 J	0.61 -	10.3 J
A1P2-DHR-4	0.932 -	0.672 -	0.682 -	0.672 -	0.0909 U	9.9 J	1.10 -	16.9 J
A1P2-DHR-5	0.764 -	0.712 -	0.704 -	0.712 -	12.7 -	98.8 J	0.40 -	42.2 J
A1P2-DHR-5-D	0.875 -	0.650 -	0.661 -	0.650 -	13.8 -	8.7 J	0.63 -	17.7 J
A1P2-DHR-7	0.893 -	0.569 -	0.556 -	0.569 -	4.63 -	7.5 J	0.59 -	11.6 J
A1P2-DHR-8	1.15 -	0.995 -	0.990 -	0.995 -	4.95 -	8.5 J	0.72 -	13.4 J
A1P2-DHR-9	0.838 -	0.738 -	0.750 -	0.738 -	3.02 J	4.5 J	0.75 -	9.6 J
Limit	1.7	1.8	1.7	1.5	82.0	12.0	1.5	400.0
Units	pCi/g	pCi/g	pCi/g	pCi/g	ug/g	mg/kg	mg/kg	mg/kg
Conf. Level	95%	95%	95%	95%	95%	90%	90%	90%
Max. Result	1.15	0.995	0.99	0.995	13.8	98.8	1.1	42.2
Max. >= Limit	No	No	No	No	No	Yes	No	No
W-statistic Prob. #	--	--	--	--	--	< 0.01% (LN)	--	--
Test Procedure	--	--	--	--	--	Median (Sign)	--	--
Sample Size	12	12	12	12	12	12	12	12
Nondetects	0	0	0	0	1	0	0	0
% Nondetects	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%
Est. Mean*	--	--	--	--	--	8.05	--	--
UCL	--	--	--	--	--	9.50	--	--
Prob. > Limit	--	--	--	--	--	--	--	--
Pass / Fail	--	--	--	--	--	Pass	--	--
<i>a posteriori</i> Sample Size calculation	--	--	--	--	--	9	--	--
	--	--	--	--	--	Pass	--	--

Note: Est. Mean = Estimated measure of central tendency(Normal: Mean; LogNormal: Est. Mean; Non-Parametric: Median)

The maximum value of the two duplicates was used in all statistical equations.

#: This is the highest reported probability of the Shapiro-Wilk W-statistic for tests for the validity of the normality assumption.

The test is performed on the raw data (untransformed) data (N) and the log-transformed data (LN) to test for lognormality.