Department of Energy

Ohio Field Office
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

NOV 28 2006

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-0078-07

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 CHANGE PAGES TO THE REVISED ADDENDUM TO THE CERTIFICATION REPORT FOR AREA 4B - PART ONE

References:

1) "Certification Report for Area 4B - Part One," Document 20810-RP-0008, dated January 2006

2) Letter, J. Saric to J. Reising, "Addendum to CR for Area 4B - Part 1," dated September 13, 2006

3) Letter DOE-0058-07, J. Reising to J. Saric/T. Schneider, "Transmittal of the Response to the Ohio Environmental Protection Agency Comment and the Revised Addendum to the Certification Report for Area 4B - Part One," dated November 9, 2006

4) Letter, T. Schneider to J. Reising, "Disapproval - Revised Addendum Cert Report 4B - Part One," dated November 15, 2006

Enclosed for your approval are change pages consisting of corrected Table 1 to the revised Addendum to the Certification Report for Area 4B - Part One. The revised Addendum was recently disapproved by Ohio Environmental Protection Agency as noted in Reference 4 due to the inclusion of an incorrect table. The U.S. Environmental Protection Agency had previously approved the addendum per Reference 2.

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

Sincerely,

Johnny W. Reising
Director

Enclosure

cc w/enclosure:
J. Desormeau, DOE-OH/FCP
T. Schneider, OEPA-Dayton (three copies of enclosure)
G. Jablonowski, USEPA-V, SRF-5J
M. Cullerton, Tetra Tech
M. Shupe, HSI GeoTrans
S. Helmer, ODH
AR Coordinator, Fluor Fernald, Inc./MS12

cc w/o enclosure:
J. Chiou, Fluor Fernald, Inc./MS88
F. Johnston, Fluor Fernald, Inc./MS12
C. Murphy, Fluor Fernald, Inc./MS1
T. Terry, Fluor Fernald, Inc./MS1

TABLE 1
COMPARISON OF CERTIFICATION AND RECERTIFICATION DATA FOR CU A4B01

CU	Location	Sample ID	Parameter	Recert Result	Recert Qualifier	Original Result	Original Qualifier	Units	FRL	>FRL
A4B01	A4B-C15-4	A4B-C15-4^RMP	Aroclor-1254	5.4	J	1.4	NJ	ug/kg	130	No
	A4B-C17-1	A4B-C17-1^RMP	Aroclor-1254	3.8	U	2.1	U	ug/kg	130	No
	A4B-C17-2	A4B-C17-2^RMP	Aroclor-1254	3.7	U	3.9	UJ	ug/kg	130	No
	A4B-C17-3	A4B-C17-3^RMP	Aroclor-1254	3.7	U	3.8	UJ	ug/kg	130	No
	A4B-C17-5	A4B-C17-5^RMP	Aroclor-1254	3.8	U	3.9	UJ	ug/kg	130	No
	A4B-C17-8	A4B-C17-8^RMP	Aroclor-1254	3.8	U	3.9	UJ	ug/kg	130	No
	A4B-C17-14	A4B-C17-14^RMP[a]	Aroclor-1254	4	J	3.9	U	ug/kg	130	No
	A4B-C17-15	A4B-C17-15^RMP	Aroclor-1254	4.1	U	2.4	U	ug/kg	130	No
	A4B-C17-16	A4B-C17-16^RMP	Aroclor-1254	3.7	U	1.3	U	ug/kg	130	No
	A4B-C18-4	A4B-C18-4^RMP	Aroclor-1254	3.9	U	3.2	NJ	ug/kg	130	No
	A4B-C18-7	A4B-C18-7^RMP	Aroclor-1254	3.7	U	2.4	NJ	ug/kg	130	No
	A4B-C18-8	A4B-C18-8^RMP	Aroclor-1254	3.9	U	3.8	UJ	ug/kg	130	No
	A4B-C18-13	A4B-C18-13^RMP	Aroclor-1254	3.9	U	3.8	UJ	ug/kg	130	No
	A4B-C18-15	A4B-C18-15^RMP	Aroclor-1254	3.9	U	4	UJ	ug/kg	130	No
A4B01	A4B-C15-4	A4B-C15-4^RMP	Beryllium	0.49	-	0.58	-	mg/kg	1.5	No
	A4B-C17-1	A4B-C17-1^RMP	Beryllium	0.26	-	0.214	U	mg/kg	1.5	No
	A4B-C17-2	A4B-C17-2^RMP	Beryllium	0.5	-	0.432	U	mg/kg	1.5	No
	A4B-C17-3	A4B-C17-3^RMP	Beryllium	0.37	-	0.272	U	mg/kg	1.5	No
	A4B-C17-5	A4B-C17-5^RMP	Beryllium	0.35	-	0.419	-	mg/kg	1.5	No
	A4B-C17-8	A4B-C17-8^RMP	Beryllium	0.37	-	0.385	-	mg/kg	1.5	No
	A4B-C17-14	A4B-C17-14^RMP[a]	Beryllium	0.32	-	0.421	-	mg/kg	1.5	No
	A4B-C17-15	A4B-C17-15^RMP	Beryllium	0.38	-	0.248	U	mg/kg	1.5	No
	A4B-C17-16	A4B-C17-16^RMP	Beryllium	0.31	-	0.338	U	mg/kg	1.5	No
	A4B-C18-4	A4B-C18-4^RMP	Beryllium	0.42	-	0.5	-	mg/kg	1.5	No
	A4B-C18-7	A4B-C18-7^RMP	Beryllium	0.27	-	0.42	-	mg/kg	1.5	No
	A4B-C18-8	A4B-C18-8^RMP	Beryllium	0.39	-	0.52	-	mg/kg	1.5	No
	A4B-C18-13	A4B-C18-13^RMP	Beryllium	0.21	-	0.25	-	mg/kg	1.5	No
	A4B-C18-15	A4B-C18-15^RMP	Beryllium	0.29	-	0.91	-	mg/kg	1.5	No
A4B01	A4B-C15-4	A4B-C15-4^RMP	Radium-226	0.896	-	0.862	-	pCi/g	1.7	No
	A4B-C17-1	A4B-C17-1^RMP	Radium-226	0.636	-	0.711	-	pCi/g	1.7	No
	A4B-C17-2	A4B-C17-2^RMP	Radium-226	0.912	-	1.19	-	pCi/g	1.7	No
	A4B-C17-3	A4B-C17-3^RMP	Radium-226	0.769	-	0.873	-	pCi/g	1.7	No
	A4B-C17-5	A4B-C17-5^RMP	Radium-226	0.723	-	0.734	-	pCi/g	1.7	No
	A4B-C17-8	A4B-C17-8^RMP	Radium-226	0.875	-	1.05	-	pCi/g	1.7	No
	A4B-C17-14	A4B-C17-14^RMP[a]	Radium-226	1.03	-	0.948	-	pCi/g	1.7	No
	A4B-C17-15	A4B-C17-15^RMP	Radium-226	1.04	-	0.938	-	pCi/g	1.7	No
	A4B-C17-16	A4B-C17-16^RMP	Radium-226	0.767	-	0.846	-	pCi/g	1.7	No
	A4B-C18-4	A4B-C18-4^RMP	Radium-226	0.756	-	0.797	-	pCi/g	1.7	No
	A4B-C18-7	A4B-C18-7^RMP	Radium-226	0.78	-	0.817	-	pCi/g	1.7	No
	A4B-C18-8	A4B-C18-8^RMP	Radium-226	0.915	-	0.833	-	pCi/g	1.7	No
	A4B-C18-13	A4B-C18-13^RMP	Radium-226	0.715	-	0.765	-	pCi/g	1.7	No
	A4B-C18-15	A4B-C18-15^RMP	Radium-226	0.733	-	0.933	-	pCi/g	1.7	No

TABLE 1
COMPARISON OF CERTIFICATION AND RECERTIFICATION DATA FOR CU A4B01

CU	Location	Sample ID	Parameter	Recert Result	Recert Qualifier	Original Result	Original Qualifier	Units	FRL	>FRL
A4B01	A4B-C15-4	A4B-C15-4^RMP	Radium-228	0.773	-	0.703	-	pCi/g	1.8	No
	A4B-C17-1	A4B-C17-1^RMP	Radium-228	0.504	-	0.521	J	pCi/g	1.8	No
	A4B-C17-2	A4B-C17-2^RMP	Radium-228	0.754	-	0.688	J	pCi/g	1.8	No
	A4B-C17-3	A4B-C17-3^RMP	Radium-228	0.58	-	0.792	J	pCi/g	1.8	No
	A4B-C17-5	A4B-C17-5^RMP	Radium-228	0.55	-	0.496	J	pCi/g	1.8	No
	A4B-C17-8	A4B-C17-8^RMP	Radium-228	0.581	-	0.927	J	pCi/g	1.8	No
	A4B-C17-14	A4B-C17-14^RMP[a]	Radium-228	1.02	-	0.779	J	pCi/g	1.8	No
	A4B-C17-15	A4B-C17-15^RMP	Radium-228	0.841	-	0.682	J	pCi/g	1.8	No
	A4B-C17-16	A4B-C17-16^RMP	Radium-228	0.646	-	0.604	J	pCi/g	1.8	No
	A4B-C18-4	A4B-C18-4^RMP	Radium-228	0.565	-	0.668	-	pCi/g	1.8	No
	A4B-C18-7	A4B-C18-7^RMP	Radium-228	0.489	-	0.56	-	pCi/g	1.8	No
	A4B-C18-8	A4B-C18-8^RMP	Radium-228	0.635	-	0.741	-	pCi/g	1.8	No
	A4B-C18-13	A4B-C18-13^RMP	Radium-228	0.476	-	0.494	-	pCi/g	1.8	No
	A4B-C18-15	A4B-C18-15^RMP	Radium-228	0.677	-	0.787	-	pCi/g	1.8	No
A4B01	A4B-C15-4	A4B-C15-4^RMP	Technetium-99	1.17	U	1.11	U	pCi/g	30	No
	A4B-C17-1	A4B-C17-1^RMP	Technetium-99	1.25	U	0.766	U	pCi/g	30	No
	A4B-C17-2	A4B-C17-2^RMP	Technetium-99	1.3	U	0.799	U	pCi/g	30	No
	A4B-C17-3	A4B-C17-3^RMP	Technetium-99	1.13	U	0.741	U	pCi/g	30	No
	A4B-C17-5	A4B-C17-5^RMP	Technetium-99	1.37	U	0.761	U	pCi/g	30	No
	A4B-C17-8	A4B-C17-8^RMP	Technetium-99	1.2	U	0.815	U	pCi/g	30	No
	A4B-C17-14*	A4B-C17-14^RMP[a]	Technetium-99	1.26	U	0.783	U	pCi/g	30	No
	A4B-C17-15	A4B-C17-15^RMP	Technetium-99	1.25	U	0.78	U	pCi/g	30	No
	A4B-C17-16	A4B-C17-16^RMP	Technetium-99	1.17	U	0.773	U	pCi/g	30	No
	A4B-C18-4	A4B-C18-4^RMP	Technetium-99	1.26	U	1.18	U	pCi/g	30	No
	A4B-C18-7	A4B-C18-7^RMP	Technetium-99	1.26	U	1.22	U	pCi/g	30	No
	A4B-C18-8	A4B-C18-8^RMP	Technetium-99	1.22	U	1.09	U	pCi/g	30	No
	A4B-C18-13	A4B-C18-13^RMP	Technetium-99	1.1	U	1.15	U	pCi/g	30	No
	A4B-C18-15	A4B-C18-15^RMP	Technetium-99	1.33	U	1.17	U	pCi/g	30	No
A4B01	A4B-C15-4	A4B-C15-4^RMP	Thorium-228	0.79	-	0.715	-	pCi/g	1.7	No
	A4B-C17-1	A4B-C17-1^RMP	Thorium-228	0.518	-	0.547	J	pCi/g	1.7	No
	A4B-C17-2	A4B-C17-2^RMP	Thorium-228	0.727	-	0.676	J	pCi/g	1.7	No
	A4B-C17-3	A4B-C17-3^RMP	Thorium-228	0.594	-	0.871	J	pCi/g	1.7	No
	A4B-C17-5	A4B-C17-5^RMP	Thorium-228	0.57	-	0.506	J	pCi/g	1.7	No
	A4B-C17-8	A4B-C17-8^RMP	Thorium-228	0.543	-	0.927	J	pCi/g	1.7	No
	A4B-C17-14	A4B-C17-14^RMP[a]	Thorium-228	0.792	J	1.02	-	pCi/g	1.7	No
	A4B-C17-15	A4B-C17-15^RMP	Thorium-228	0.838	-	0.674	J	pCi/g	1.7	No
	A4B-C17-16	A4B-C17-16^RMP	Thorium-228	0.652	-	0.603	J	pCi/g	1.7	No
	A4B-C18-4	A4B-C18-4^RMP	Thorium-228	0.549	-	0.683	-	pCi/g	1.7	No
	A4B-C18-7	A4B-C18-7^RMP	Thorium-228	0.478	-	0.574	-	pCi/g	1.7	No
	A4B-C18-8	A4B-C18-8^RMP	Thorium-228	0.63	-	0.743	-	pCi/g	1.7	No
	A4B-C18-13	A4B-C18-13^RMP	Thorium-228	0.506	-	0.484	-	pCi/g	1.7	No
	A4B-C18-15	A4B-C18-15^RMP	Thorium-228	0.677	-	0.763	-	pCi/g	1.7	No

TABLE 1
COMPARISON OF CERTIFICATION AND RECERTIFICATION DATA FOR CU A4B01

CU	Location	Sample ID	Parameter	Recert Result	Recert Qualifier	Original Result	Original Qualifier	Units	FRL	>FRL
A4B01	A4B-C15-4	A4B-C15-4^RMP	Thorium-232	0.773	-	0.703	-	pCi/g	1.5	No
	A4B-C17-1	A4B-C17-1^RMP	Thorium-232	0.504	-	0.521	J	pCi/g	1.5	No
	A4B-C17-2	A4B-C17-2^RMP	Thorium-232	0.754	-	0.688	J	pCi/g	1.5	No
	A4B-C17-3	A4B-C17-3^RMP	Thorium-232	0.58	-	0.792	J	pCi/g	1.5	No
	A4B-C17-5	A4B-C17-5^RMP	Thorium-232	0.55	-	0.496	J	pCi/g	1.5	No
	A4B-C17-8	A4B-C17-8^RMP	Thorium-232	0.581	-	0.927	J	pCi/g	1.5	No
	A4B-C17-14	A4B-C17-14^RMP[a]	Thorium-232	1.02	-	0.779	J	pCi/g	1.5	No
	A4B-C17-15	A4B-C17-15^RMP	Thorium-232	0.841	-	0.682	J	pCi/g	1.5	No
	A4B-C17-16	A4B-C17-16^RMP	Thorium-232	0.646	-	0.604	J	pCi/g	1.5	No
	A4B-C18-4	A4B-C18-4^RMP	Thorium-232	0.565	-	0.668	-	pCi/g	1.5	No
	A4B-C18-7	A4B-C18-7^RMP	Thorium-232	0.489	-	0.56	-	pCi/g	1.5	No
	A4B-C18-8	A4B-C18-8^RMP	Thorium-232	0.635	-	0.741	-	pCi/g	1.5	No
	A4B-C18-13	A4B-C18-13^RMP	Thorium-232	0.476	-	0.494	-	pCi/g	1.5	No
	A4B-C18-15	A4B-C18-15^RMP	Thorium-232	0.677	-	0.787	-	pCi/g	1.5	No
A4B01	A4B-C15-4	A4B-C15-4^RMP	Uranium, Total	6.4	-	3.96	J	mg/kg	20	No
	A4B-C17-1	A4B-C17-1^RMP	Uranium, Total	4.31	-	4.39	-	mg/kg	20	No
	A4B-C17-2	A4B-C17-2^RMP	Uranium, Total	5.84	-	5.27	-	mg/kg	20	No
	A4B-C17-3	A4B-C17-3^RMP	Uranium, Total	5.51	-	3.4	-	mg/kg	20	No
	A4B-C17-5	A4B-C17-5^RMP	Uranium, Total	1.89	U	1.98	J	mg/kg	20	No
	A4B-C17-8	A4B-C17-8^RMP	Uranium, Total	5.21	-	4.19	-	mg/kg	20	No
	A4B-C17-14	A4B-C17-14^RMP[a]	Uranium, Total	60.5	-	16.1	-	mg/kg	20	**Yes**
		A4B-C17-14A^R[b]	Uranium, Total	35	-			mg/kg	20	**Yes**
	A4B-C17-15	A4B-C17-15^RMP	Uranium, Total	5.69	-	1.62	U	mg/kg	20	No
	A4B-C17-16	A4B-C17-16^RMP	Uranium, Total	3.92	-	5.25	-	mg/kg	20	No
	A4B-C18-4	A4B-C18-4^RMP	Uranium, Total	3.63	J	3.72	J	mg/kg	20	No
	A4B-C18-7	A4B-C18-7^RMP	Uranium, Total	2.85	J	3.3	-	mg/kg	20	No
	A4B-C18-8	A4B-C18-8^RMP	Uranium, Total	7.24	-	5.39	-	mg/kg	20	No
	A4B-C18-13	A4B-C18-13^RMP	Uranium, Total	1.38	U	2.94	J	mg/kg	20	No
	A4B-C18-15	A4B-C18-15^RMP	Uranium, Total	3.52	J	3.79	J	mg/kg	20	No

[a] Sample location was excavated after re-sampling revealed that total uranium was greater than two-times the FRL (i.e. hotspot). The original and recertification sampling results were from samples collected prior to excavation of the hotspot.

[b] Post-excavation sampling result.