



Department of Energy

**Environmental Management
Consolidated Business Center
250 East 5th Street, Suite 500
Cincinnati, Ohio 45202
(513) 246-0500**

JAN 11 2007

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

EMCBC-00202-07

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 RESPONSES TO THE ADDITIONAL OHIO ENVIRONMENTAL
PROTECTION AGENCY COMMENTS AND CHANGE PAGES TO THE FINAL
CERTIFICATION REPORT FOR AREA 4B – PART TWO AND MAIN DRAINAGE
CORRIDOR AREA – 1ST STREET**

- References:
- 1) Letter DOE-0029-07, J. Reising to J. Saric/T. Schneider, "Transmittal of the Certification Report for Area 4B - Part Two and Main Drainage Corridor Area - 1st Street, Revision A (20810-RP-0012)," dated October 25, 2006
 - 2) Letter, J. Saric to J. Reising, "Area 4B Part 2 and MDC Certification Report," dated November 8, 2006
 - 3) Letter DOE-0063-07, J. Reising to J. Saric/T. Schneider, "Transmittal of the Response to the U.S. Environmental Protection Agency Comment on the Draft certification Report for Area 4B – Part Two and Main drainage Corridor Area – 1st Street," dated November 14, 2006
 - 4) Letter, T. Schneider to J. Reising, "Disapproval – Draft Certification Rpt. for Area 4B - Part Two and MDC Area – 1st Street," dated November 22, 2006

Mr. Saric
Mr. Schneider

-2-

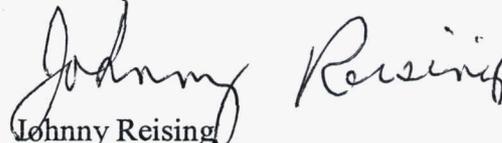
EMCBC-00202-07

- 5) Letter, J. Saric to J. Reising, "Area 4B Part 2 and MDC Certification Report RTC," dated November 29, 2006
- 6) Letter DOE-0088-07, J. Reising to J. Saric/T. Schneider, "Transmittal of the Responses to the Ohio Environmental Protection Agency Comments on the Final certification Report for Area 4B – Part Two and Main drainage Corridor Area – 1st Street," dated December 7, 2006
- 7) Letter, J. Saric to J. Reising, "Comments – Revised Response to Comments to OEPA on the Certification Report for Area 4B – Part Two and MDC Area – 1st Street," dated January 5, 2007

Enclosed for your approval are responses to the additional Ohio Environmental Protection Agency (OEPA) comments and change pages to the final Certification Report for Area 4B – Part Two and Main Drainage Corridor Area – 1st Street. All comment responses have been incorporated into the change pages of the final report. U.S. Environmental Protection Agency (US EPA) has approved the response to their comments as noted in reference 5.

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

Sincerely,


Johnny Reising
Director

Enclosures

cc w/enclosures:

J. Desormeau, DOE-OH/FCP
T. Schneider, OEPA-Dayton (three copies of enclosures)
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 enclosures:

F. Johnston, Stoller, Inc./MS12
F. Miller, Fluor Fernald, Inc./MS90
P. Mohr, Fluor Fernald, Inc./MS1
T. Terry, Fluor Fernald, Inc./MS1

**REVISED RESPONSES TO THE
OHIO ENVIRONMENTAL PROTECTION AGENCY
COMMENTS ON THE FINAL REVISION 0
CERTIFICATION REPORT FOR AREA 4B-PART TWO
AND MAIN DRAINAGE CORRIDOR (MDC)
AREA – 1ST STREET**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**

JANUARY 2007

U.S. DEPARTMENT OF ENERGY

**CERTIFICATION REPORT FOR
AREA 4B - PART TWO AND MAIN DRAINAGE
CORRIDOR AREA - 1st STREET**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



JANUARY 2007

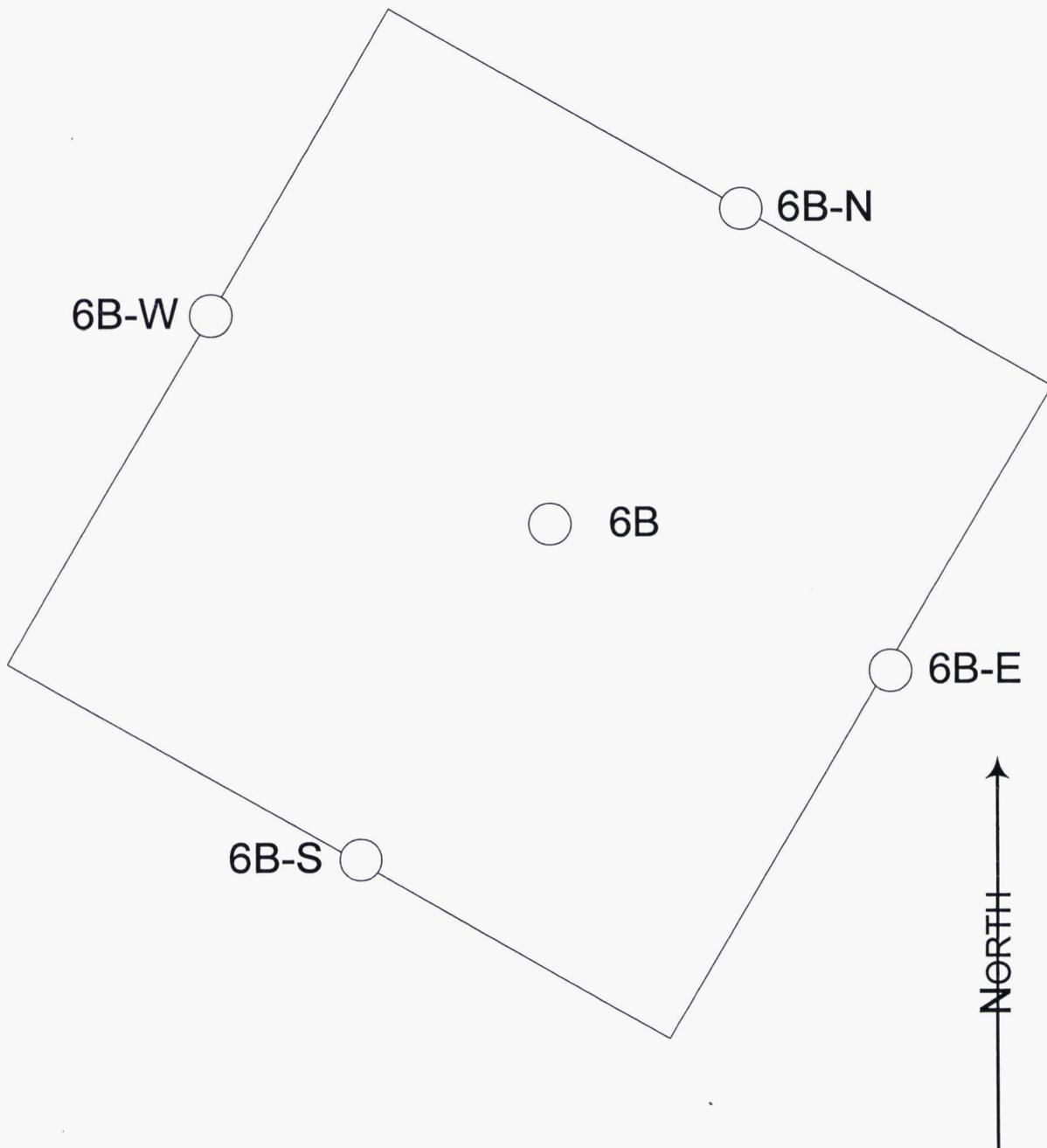
U.S. DEPARTMENT OF ENERGY

**20810-RP-0012
REVISION 0
PCN 1**

REVISION SUMMARY

<u>Revision</u>	<u>Date</u>	<u>Description of Revision</u>
Revision 0	12/05/06	Initial controlled issuance.
PCN 1	01/09/07	Inclusion of figure to Appendix B for V/FCN 20810-PSP-0012-1 and revision of page A.1-24 in Appendix A to incorporate additional OEPA comment responses.

CERTIFICATION PSP FOR
AREA 4B-PART TWO AND MAIN DRAINAGE CORRIDOR AREA 1ST STREET
VARIANCE 20810-PSP-0012-01
SOUTH OF THE FORMER 30/45 PARKING LOT
SAMPLED 09/01/06



Certification Unit 18

SAMPLE ID	Radium-226	Radium-228	Thorium-228	Thorium-232	Uranium, Total	Cesium-137	Lead-210	Technetium-99	Thorium-230	Arsenic	Beryllium
A4B2-C18-2	1.06 -	0.974 J	0.975 J	0.974 J	9.39 -	0.058 U	1.09 J	1.77 U	1.67 -	5 -	0.47 -
A4B2-C18-3	1.2 -	0.981 J	0.956 J	0.981 J	6.75 -	0.068 U	0.685 U	1.78 U	4.46 -	6 -	0.68 -
A4B2-C18-4	1.29 -	1.16 J	1.17 J	1.16 J	8.53 -	0.031 U	3.15 U	1.53 U	1.44 -	5.5 -	0.56 -
A4B2-C18-4-D	1.3 -	0.973 J	0.974 J	0.973 J	8.2 -	0.022 U	1.67 U	1.74 U	1.47 -	5.4 -	0.55 -
A4B2-C18-5	1.05 -	0.772 J	1.05 J	0.772 J	19.7 -	0.0521 J	3.72 U	1.76 U	1.41 -	5.1 -	0.56 -
A4B2-C18-6	1.04 -	0.938 J	0.963 J	0.938 J	17.9 -	0.0412 J	3.27 U	1.73 U	1.37 -	5 -	0.67 -
A4B2-C18-7	1.01 -	0.869 J	0.892 J	0.869 J	12.9 -	0.025 U	1.98 U	1.66 U	1.43 -	5.3 -	0.56 -
A4B2-C18-9	1.03 -	0.935 J	0.948 J	0.935 J	7.39 -	0.059 U	0.878 J	1.72 U	0.836 -	4.8 -	0.52 -
A4B2-C18-10	0.973 -	0.921 J	0.917 J	0.921 J	5.96 -	0.057 U	1.3 J	1.79 U	1.08 -	5.2 -	0.59 -
A4B2-C18-12	1.26 -	1.04 J	1.05 J	1.04 J	5.1 -	0.028 U	2.67 U	1.64 U	1.32 -	4.1 -	0.49 -
A4B2-C18-13	1.28 -	1.07 J	1.07 J	1.07 J	4.75 -	0.042 U	0.685 J	1.8 U	1.58 -	5.8 -	0.58 -
A4B2-C18-14	1.02 -	0.832 J	0.846 J	0.832 J	13.7 -	0.038 U	0.986 -	1.62 U	1.06 -	4.4 -	0.45 -
A4B2-C18-15	1.1 -	0.843 J	0.847 J	0.843 J	4.08 -	0.027 U	2.71 U	1.66 U	1.1 -	6 -	0.63 -
Limit	1.7	1.8	1.7	1.5	20	1.4	38	30	280	12	1.5
Units	pCi/g	pCi/g	pCi/g	pCi/g	mg/kg	pCi/g	pCi/g	pCi/g	pCi/g	mg/kg	mg/kg
Conf. Level	95%	95%	95%	95%	95%	90%	90%	90%	90%	90%	90%
Max. Result	1.3	1.16	1.17	1.16	19.7	0.0521	1.3	1.8 U	4.46	6	0.68
Max. >= Limit	No	No	No	No	No	No	No	No	No	No	No
W-statistic Prob. #	--	--	--	--	--	--	--	--	--	--	--
Test Procedure	--	--	--	--	--	--	--	--	--	--	--
Sample Size	12	12	12	12	12	12	12	12	12	12	12
Nondetects	0	0	0	0	0	10	7	12	0	0	0
% Nondetects	0%	0%	0%	0%	0%	83%	58%	100%	0%	0%	0%
Est. Mean*	--	--	--	--	--	--	--	--	--	--	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Prob. > Limit	--	--	--	--	--	--	--	--	--	--	--
Pass / Fail	--	--	--	--	--	--	--	--	--	--	--
<i>a posteriori</i> Sample Size calculation	--	--	--	--	--	--	--	--	--	--	--

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.