

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

FLUOR

October 27, 2006

Fernald Closure Project
Letter No. C:BSOP(CA/PC):2006-0079

Mr. Timothy L. Jones, Contracting Officer
U. S. Department of Energy
EM Consolidated Business Center
250 East Fifth Street, Suite 500
Cincinnati, Ohio 45202

Dear Mr. Jones:

**CONTRACT DE-AC24-010H20115, PRELIMINARY DECLARATION OF WORK
COMPLETION, DECLARATION AREA DA7(3)**

As contemplated by Contract Clause F.6, Declaration of Site Closure, Fluor Fernald, Inc. (Fluor Fernald) hereby provides Preliminary Declaration of Work Completion for Declaration Area DA7(3) in accordance with the requirements of the DOE approved FCP/Comprehensive Exit/Transition Plan (CE/TP), Section C, Declaration Process. The specific parts of Section C of the CE/TP applicable to this declaration are:

- C.1 Declaration Strategy
- C.1.1.3 Above Grade Facility Decontamination & Decommissioning (D&D) and Legacy Waste/Nuclear Material Disposition (part of OU3)
- C.1.1.5 Soils Remediation (OU5) and below grade D&D
- C.1.2 Declaration Approach for Natural Resource Restoration

The following table shows the geographical remediation area(s) and sub-area(s) (if applicable) for which the decontamination & decommissioning, soils remediation, and natural resource restoration objectives have been completed:

DECLARATION AREA DA7(3) – GEOGRAPHICAL REMEDIATION AREAS		
D&D Area/Sub-Areas	Soils Remediation Area/Sub-Areas	Natural Resource Restoration Area/Sub-Areas
DA7(3)	<ol style="list-style-type: none"> 1. Area 4B Part Two & MDC Area 2. Area 7 – Miscellaneous Areas 3. Area 6 – General Area East 4. Area 6 Sitewide Rail Line System 	<ol style="list-style-type: none"> 1. Phase II of the Former Production Area

The following documentation supporting Fluor Fernald's Preliminary Declaration of Work Completion is enclosed for your review and acceptance:

D&D:

- Interim Checklist –C.1.1.3 for Area DA7(3). Attached to the Checklist is a listing of buildings, components, and corresponding documents associated with Declaration Area 7(3) as well as a copy of the title page of each of the documents reviewed and the corresponding agency approval letters
- Area 7, Phase 3 - DOE Walkdown, October 18, 2006
- The Declaration Area Map of the walk-down of the area

Soils Remediation:

- Interim Checklist – C.1.1.5 for Area DA7(3): The Interim Checklist has a list of the supporting documentation reviewed by the Department of Energy (DOE). Attached to the Checklist is a copy of the title page of each of the documents reviewed and the corresponding agency approval letters (if available).
- Figure 1-1, "Area 4B Location Map" and Figure 1-2 "Area 4B – Part Two Certification Area" from the "Certification Report for Area 4B – Part Two and Main Drainage Corridor Area – 1st Street (20810-RP-0012, October 2006)"
- Figure 1-1, "Area 6 General Area East Certification Location Map With Historical Surface Features" from the "Certification Report for Area 6 General Area East (20600-RP-0007, June 2006)"
- Figure 1-1, "Sitewide Rail Line System Location Map" from the Certification Report for Area 6 Sitewide Rail Line System (20600-RP-0011, October 2006)"
- Figure 1-1, "Area 7 Miscellaneous Areas Certification Area Location Map" from the Certification Report for Area 7 Miscellaneous Areas (20500-RP-0008, October 2006)"

Natural Resource Restoration:

- Interim Checklist – C.1.1.8 for Area DA7(3) Attached to the Checklist is the:
 - Department of Energy "Transmittal of Natural Resource Restoration statement of Completion for Former Production Area Phase II (DOE Letter DOE-0019-07)
 - Lidar Photo Maps (Figure 1 and 2) of the "Former Production Area Phase II Natural Resource Restoration Completion Report"

Consistent with the CE/TP, Section C.1, Declaration Strategy, Fluor Fernald requests DOE's acceptance of this Preliminary Declaration of Work Completion within thirty (30) calendar days from the date of this letter. Fluor Fernald acknowledges that DOE acceptance of this Preliminary Declaration will not be construed as final by DOE. During the sixty (60) calendar day period following DOE's Determination of Reasonableness, DOE may conduct a final review of this area notwithstanding its acceptance of this Preliminary Declaration. As specified in the CE/TP, final reviews of previously reviewed Preliminary Declarations will focus on completion of punch list items and identification of any conditions that have changed since the initial review consistent with previously used acceptance criteria. In the event such a final review identifies a material deficiency, Fluor Fernald acknowledges its

responsibility to correct the material deficiency as provided in Clause F.6, Declaration of Site Closure.

If you have any questions, please contact me at 648-3358.

Sincerely,


Dennis Sizemore, Manager
Prime Contract

DS:FLJ:jmb

Enclosures

c: With Enclosures:

Mark Albertin, MS 1
Angela Cooney, DOE/EMCBC
Johnny W. Reising, DOE-OH/FCP, MS 2
Tammy L. Terry, MS 1
Administrative Record, MS 6
Letter Log Copy, MS 1
File Record Subject: Preliminary Declaration of Work Completion,
Declaration Area DA7(3)

Without Enclosures:

John S. Brown, DOE/EMCBC
Frank L. Johnston, MS 12
Paul E. Mohr, MS 1
Cornelius M. Murphy, MS 1
Rex Norton, MS 1
Mark L. Sucher, MS 1

006238

Interim Declaration Checklist – C.1.1.3

Area Verification of D&D Activities Completion

Date: 10/26/06

DOE Signature: Johnny Reising

Fluor Fernald Signature: Frank Albert

Remediation Area Evaluated: DA7(3)		
Criteria	Fluor Fernald Verified (Y/N)	DOE CO Concur (Y/N)
D&D Implementation Plan is Approved	Y - true	Y - true
D&D of Facilities is Complete	Y - true	Y - true
Any Remaining Property, Equipment, Structures is documented on Maps 1,2 or 3	Y - true	Y - true
All Debris and Small Structures have been removed	Y - true	Y - true
D&D Project Completion Report is Submitted and Approved	Y - true	Y - true
D&D Debris Manifests are Available	Y - true	Y - true
All Containerized Legacy Waste and/or Nuclear Material has been removed.	Y - true	Y - true
CAWWT and aquifer infrastructure remains in place AWWT footprint - true		

10/26/06
 "
 "
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Documents & Letters Supporting Completion Declaration:

Document	Approval Date
Pilot Plant Complex Implementation Plan & Completion Report	
AWWT Treatment Facility Implementation Plan & Completion Report	
NOTE: 68 & Part of 15A (Lab) included in DA4BPI	
20G, 22D, 26B, Part of 22E and 26A (Multi-Complex) are included in DA4BPI	

Legend: Comp. = Completed Comp. 1 = Completed post DOE walk down

P = Partial * = Conditional DOE concurrence to remain

 ** = Remains as a part of natural resources restoration

 *** = Permanent structure

 **** = To be removed during demobilization upon approval from EPA that testing is completed

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AREA 7, PHASE 3 - DOE WALKDOWN

October 18, 2006

- 1) Comp. - Complete final grading
- 2) Comp. - Grade to establish discharge from LSP
- 3) Comp. - Complete Seeding (General Area)
- 4) Comp. - Complete mulching
- 5) Deleted (Do to safety concerns in placing a person in the pond, it has been determined that this item will remain) Remove t-posts and rope from pond
- 6) Comp. - Remove sand pile
- 7) Comp. - Place topsoil and seed
- 8) Comp. - Remove trash in mulch
- 9) Comp. - Repair erosion and reseed
- 10) Comp. - Remove / Cover gravel and seed areas not in defined roads north of CWWT
- 11) Comp. - Seed area north of LSP at boundary with A3B

**LIST OF ALL BUILDINGS/COMPONENTS THAT FULLY OR PARTIALLY FALL WITHIN THE
DECLARATION AREA DA7(3) BOUNDARY**

13B, 13C, 13D, Part of 13A & 54A (Pilot Plant Complex). The Pilot Plant Complex Implementation Plan and Project Completion Report are applicable to this Declaration Area.

68, Part of 15A (Lab). The Lab Complex Documents will be included in Declaration Area DA4BPI.
51B, 51C (AWWT Complex). The AWWT Complex Implementation Plan and Project Completion Report are applicable to this Declaration Area.

20G, 22D, 26B, Part of 22E and 26A (Multi-Complex). The Multi-Complex Documents will be included in Declaration Area DA4BPI.

16N, 19B, 20E, 20F, 25K, 93A, TS-13 (MSS Phase II). The MSS Phase II Documents will be included in Declaration Area DA7(4).

**BUILDINGS/COMPONENTS AND THE RELATED DOCUMENTS THAT ARE ADDRESSED WITHIN
DECLARATION AREA DA7(3)**

PILOT PLANT COMPLEX BUILDINGS/COMPONENTS

Building 13A – Pilot Plant Wet Side

Building 13B – Pilot Plant Maintenance Building

Building 13C – Sump Pump House

Component 13D – Pilot Plant Thorium Tank Farm

Building 37 – Pilot Plant Annex

Building 54A – Six to Four Reduction Facility #1

Building 54B – Pilot Plant Warehouse

Building 54C – Pilot Plant Dissociator Shelter

Component 74U – Pilot Plant Pad Overhead Bridge Crane Structure

PILOT PLANT COMPLEX DOCUMENTS

Operable Unit 3 Pilot Plant Complex Implementation Plan for Above-Grade Decontamination and Dismantlement

Operable Unit 3 Pilot Plant Complex Decontamination and Dismantlement Project Completion Report

ADVANCED WASTEWATER TREATMENT FACILITY COMPLEX BUILDINGS/COMPONENTS

*Component 51A – Advanced Wastewater Treatment Facility

Component 51B – Slurry Dewatering Facility

Component 51C – AWWT Laboratory Expansion Building

Component G-008 – AWWT Pipe Bridges

ADVANCED WASTEWATER TREATMENT FACILITY COMPLEX DOCUMENTS

Operable Unit 3 Advanced Wastewater Treatment Facility (AWWT) Implementation Plan for Above-Grade Decontamination and Dismantlement

Operable Unit 3 Advanced Wastewater Treatment Facility Decontamination and Dismantlement Project Completion Report

*Component 51A was a partial dismantlement as stated in the AWWT Project Completion Report

OPERABLE UNIT 3

PROJECT COMPLETION REPORT

ADVANCED WASTEWATER TREATMENT FACILITY (AWWT) DECONTAMINATION AND DISMANTLEMENT PROJECT

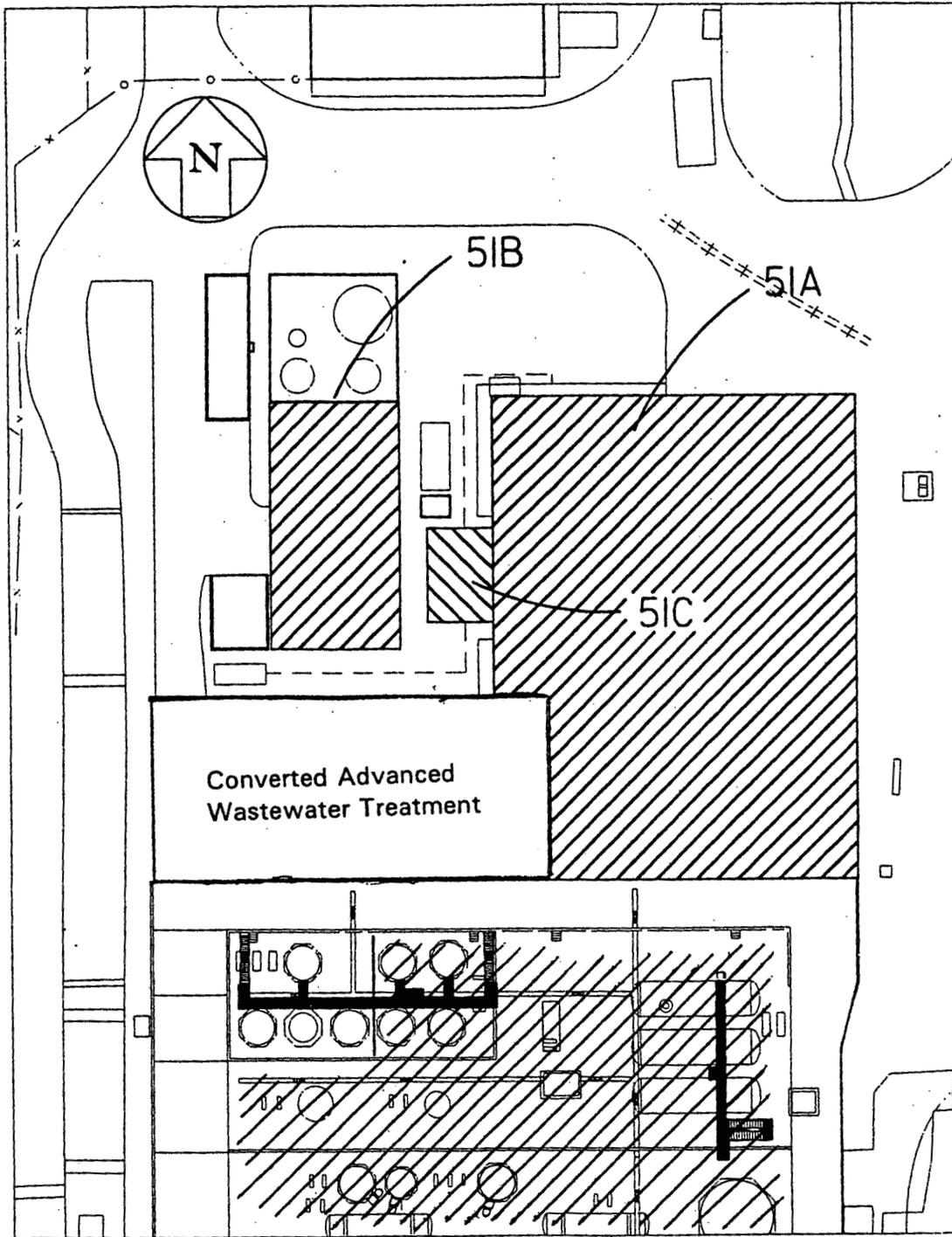


SEPTEMBER 2005

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**

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

DOCUMENT CONTROL NO. 1789-RP-0007 (REV.0)



Hatched areas have been demolished.

Figure 1-1 Advanced Wastewater Treatment Facility

1.2 Project Chronology

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Table 1-1 lists the chronology of above-grade D&D activities for the AWWT Facility:

TABLE 1-1 D&D Chronology

ACTIVITY	START	FINISH
Mobilization/Demobilization	3/7/05	7/29/05
Dismantlement:		
• Component 51A – Advanced Wastewater Treatment Facility	3/18/05*	7/12/05
• Component 51B – Slurry Dewatering Facility	7/18/05	7/19/05
• Component 51C – AWWT Laboratory Expansion Building	6/30/05	6/30/05
• Component G-008 – AWWT Pipe Bridges	3/7/05	3/16/05
Debris Size Reduction and Containerization:		
• Component 51A – Advanced Wastewater Treatment Facility		7/15/05
• Component 51B – Slurry Dewatering Facility		7/28/05
• Component 51C – AWWT Laboratory Expansion Building		6/30/05
• Component G-008 – AWWT Pipe Bridges		3/23/05
Completion of Field Activities (CFA)		7/29/05

* The 3/18/05 date includes the building modifications (tank removals/moves) that took place in Component 51A and the AWWT Tank Farm. Component 51A building partial structural dismantlement began on 6/25/05.

2.0 REMEDIATION APPROACH

2.1 Preparatory Actions

Facility Shutdown activities were performed by FCP personnel and were completed for each of the AWWT Facility structures just prior to demolition activities. Facility Shutdown activities consisted of:

- Removal of all salvageable equipment;
- Removal of loose, gross contamination;
- General clean-up; and
- Disconnection of those utilities associated with the equipment/structures being demolished.

2.2 Component-Specific Remediation Summary

2.2.1 Component 51A – Advanced Wastewater Treatment Facility

Background

Component 51A (Advanced Wastewater Treatment Facility) was a structural steel frame building with metal panel outside walls and sloped roof. From the exterior, the facility had the appearance of being two separate buildings set next to one another. The southern-most area of Component 51A measured 244 ft. from east to west, 64 ft. north to south and was a single story extending 40 ft. high. The northern-most area of Component 51A measured 124 ft. east to west, 166 ft. north to south and was five stories tall, extending 85 ft. high. Additionally, there was an exterior tank farm that measured 156 ft. by 194 ft. and was referred to as the "South Containment Area" which consisted of numerous horizontal and vertical tanks along with a network of piping and pipe bridges.

**Department of Energy**

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



MAY 2 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-0233-05

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:

**CONTRACT DE-AC24-01OH20115, RESPONSE TO COMMENTS FOR THE
ADVANCED WASTEWATER TREATMENT FACILITY IMPLEMENTATION PLAN
FOR ABOVE-GRADE DECONTAMINATION AND DISMANTLEMENT**

Reference: Letter, J. A. Saric to J. W. Reising, "Re: OU 3 AWWT Complex
Implementation Plan," dated April 19, 2005

In response to the referenced letter, the United States Environmental Protection Agency's (US EPA) comments relating to the Advanced Wastewater Treatment (AWWT) Facility Implementation Plan for Above-Grade Decontamination and Dismantlement (D&D) have been addressed.

This letter transmits the response to comments along with the AWWT Implementation Plan Page Change Notice 1 (PCN1). Please remove the existing implementation plan pages affected by this change and replace them with the enclosure.

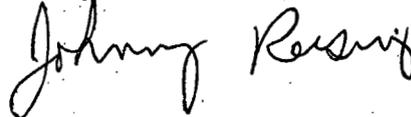
Mr. James A. Saric
Mr. Tom Schneider

-2-

DOE-0233-05

If you have any questions or require additional information, please contact Ed Skintik at (513) 246-1369.

Sincerely,



for William J. Taylor
Director

FCP:Skintik

Enclosure: As Stated

cc w/enclosures:

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

cc w/o enclosures:

C. Carr, OH/FCP
K. Alkema, Fluor Fernald, Inc./MS01
B. Edmondson, Fluor Fernald, Inc./MS64
J. Fry, Fluor Fernald, Inc./MS64
F. Johnston, Fluor Fernald, Inc./MS52-5
C. Murphy, Fluor Fernald, Inc./MS01
P. O'Neill, Fluor Fernald, Inc./MS52-1
D. Sizemore, Fluor Fernald, Inc./MS02
ECDC Fluor Fernald Inc./MS52-7 Project Number 1789.2.1

Fluor Fernald, Inc.
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006238

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April 27, 2005

Fernald Closure Project
Letter No. C:CPD:2005-0047

Mr. William J. Taylor, Director
U.S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Taylor:

**CONTRACT DE-AC24-01OH20115, RESPONSE TO COMMENTS FOR THE ADVANCED
WASTEWATER TREATMENT FACILITY IMPLEMENTATION PLAN FOR ABOVE-GRADE
DECONTAMINATION AND DISMANTLEMENT**

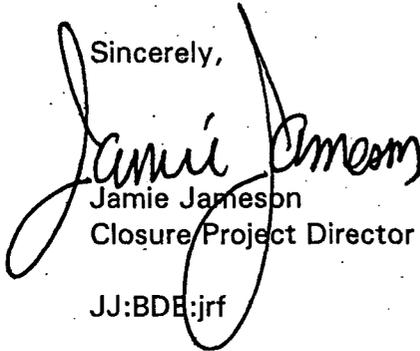
Reference: Letter, J. A. Saric to J. W. Reising, "Re: OU 3 AWWT Complex
Implementation Plan," dated April 19, 2005

In response to the referenced letter, the United States Environmental Protection Agency's (US EPA) comments relating to the Advanced Wastewater Treatment (AWWT) Facility Implementation Plan for Above-Grade Decontamination and Dismantlement (D&D) have been addressed.

This letter transmits the response to comments along with the AWWT Implementation Plan Page Change Notice 1 (PCN1) to the U.S. Department of Energy for submittal to the regulatory agencies.

If there are any questions concerning this subject, please contact Billy Edmondson,
648-3209.

Sincerely,



Jamie Jameson
Closure Project Director

JJ:BDE:jrf

Enclosures

c: With Enclosures

Jerry Fry, MS64
Ralph E. Holland, DOE Contracting Officer, DOE-OH/FCP
Shelby Kawa, DOE-OH
Johnny W. Reising, DOE-OH/FCP
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS01
DOE Records Center
Ed Skintik, DOE-OH
Letter Log Copy, MS 1
Project Number 1789.1.1
AR Coordinator, MS78

Without Enclosures

Ken Alkema, MS01
J. D. Chiou, MS88
Billy Edmondson, MS64
Frank Johnston, MS99
Con Murphy, MS77
Pat O'Neill, MS52-1
Diana Sparks, MS07



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

006238

April 19, 2005

REPLY TO THE ATTENTION OF

Mr. Johnny W. Reising
United States Department of Energy
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

SR-57

RE: OU 3 AWWT Complex Implementation
Plan

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) implementation plan for above-grade Decontamination and Dismantlement (D&D) of the Operable Unit (OU) 3 Advanced Wastewater Treatment (AWWT) Complex. This implementation plan documents the D&D design for the AWWT.

The document appears technically adequate, however U.S. EPA has a few comments on the document that must be addressed. Therefore, U.S. EPA disapproves the implementation plan for the OU 3 AWWT Complex. U.S. DOE must submit a revised document incorporating adequate responses to U.S. EPA's enclosed comments within thirty (30) days receipt of this letter.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

Enclosure

cc: Tom Schneider, OEPA-SWDO
Jamie Jameson, Fluor Fernald
Frank Johnston, Fluor Fernald



State of Ohio Environmental Protection Agency

Southwest District

401 East Fifth Street
Dayton, Ohio 45402-2911

TELE: (937)285-6357 FAX: (937)285-6249
www.epa.state.oh.us

Bob Taft, Governor
Bruce Johnson, Lt. Governor
Joseph P. Koncicki, Director

April 14, 2005

006238

Mr. William Taylor
US Department of Energy
Ohio Field Office
Fernald Closure Project
175 Tri County Parkway
Springdale, Ohio 45246

RE: APPROVAL - AWWT IP FOR ABOVE-GRADE D&D

Dear Mr. Taylor:

Ohio EPA has reviewed DOE's submittal on the "Advanced Wastewater Treatment Facility Implementation Plan for Above-Grade Decontamination and Dismantlement" received on March 25, 2005. Ohio EPA approves this document.

Should you have any questions, please contact Michelle Waller or me.

Sincerely,

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc: Jim Saric, U.S. EPA
Mark Shupe, GeoTrans, Inc.
Michelle Cullerton, Tetra Tech EM Inc

006238



Department of Energy

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



MAR 24 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-0202-05

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:

**FINAL IMPLEMENTATION PLAN FOR THE ABOVE-GRADE DECONTAMINATION
AND DISMANTLEMENT OF THE ADVANCED WASTEWATER TREATMENT
COMPLEX**

Enclosed is the Final Implementation Plan for the Above-Grade Decontamination and Dismantlement of the Advanced Wastewater Treatment Complex. The enclosed implementation plan serves as the sole remedial design documentation for regulatory approval pursuant to the Operable Unit 3 Integrated Remedial Design/Remedial Action Work Plan.

If there are any questions concerning this subject, please contact Ed Skintik, 246-1369 or Johnny Reising, 648-3139.

Sincerely,

Johnny Reising
for William J. Taylor
Director

FCP:Skintik

Enclosure: As Stated

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

006238

(513) 648-3000

FLUOR

March 18, 2005

Fernald Closure Project
Letter No. C:CPD:2005-0036

Mr. William J. Taylor, Director
U.S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Taylor:

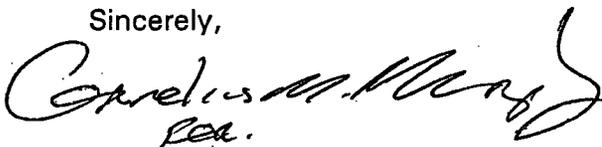
**CONTRACT DE-AC24-01OH20115, FINAL IMPLEMENTATION PLAN FOR ABOVE-GRADE
DECONTAMINATION AND DISMANTLEMENT OF THE ADVANCED WASTEWATER
TREATMENT COMPLEX**

This letter transmits the final Advanced Wastewater Treatment Complex Implementation Plan for Above-Grade Decontamination and Dismantlement to the U.S. Department of Energy for submittal to the regulatory agencies.

The enclosed final implementation plan serves as the sole remedial design documentation being submitted for regulatory approval, pursuant to the Operable Unit 3 Integrated Remedial Design/Remedial Action Work Plan.

If there are any questions concerning this subject, please contact Billy Edmondson, 648-3209.

Sincerely,



Jamie Jameson
Closure Project Director

JJ:BDE:jrf

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OPERABLE UNIT 3

ADVANCED WASTEWATER TREATMENT FACILITY (AWWT) IMPLEMENTATION PLAN FOR ABOVE-GRADE DECONTAMINATION AND DISMANTLEMENT



APRIL 2005

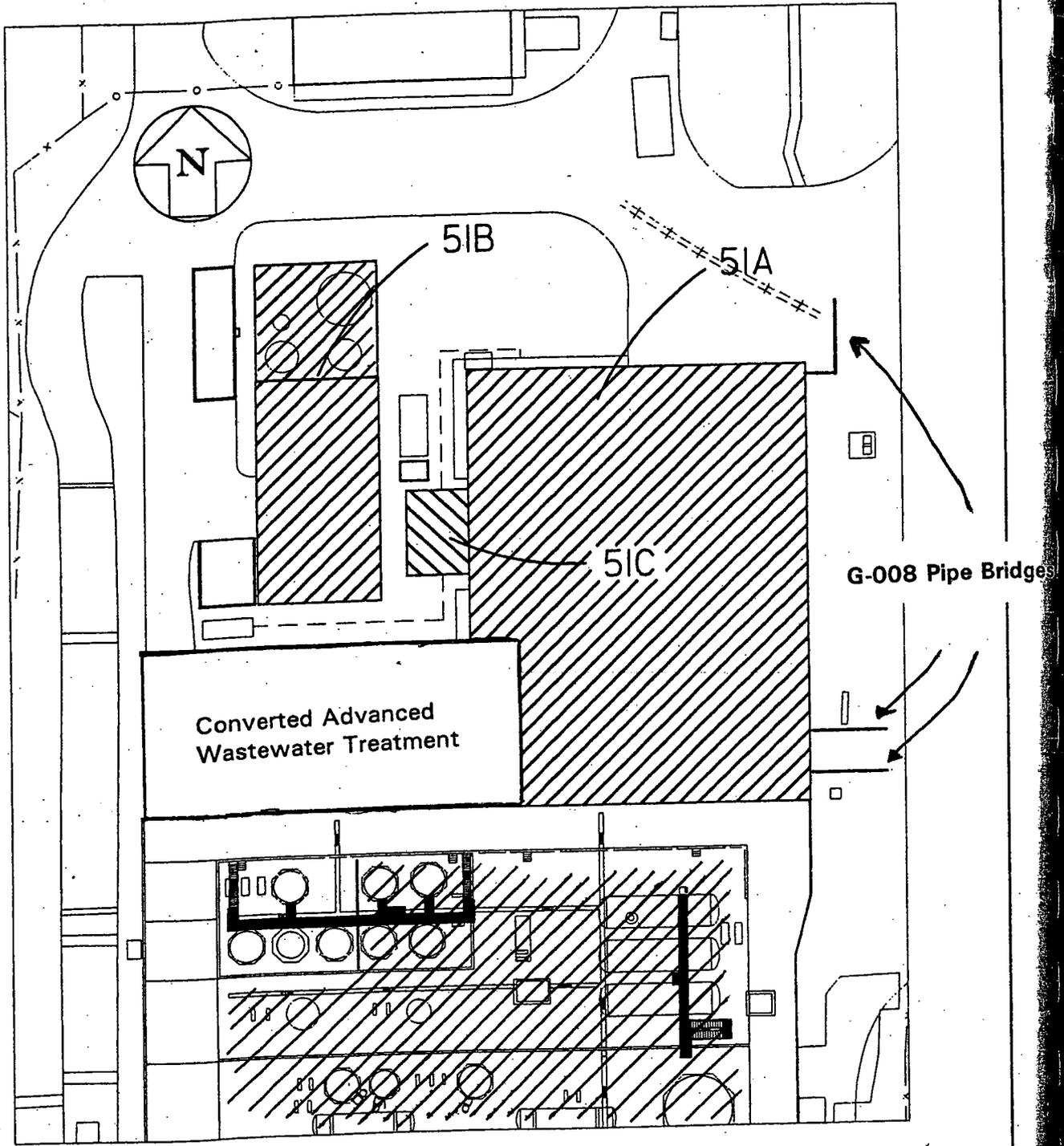
FERNALD CLOSURE PROJECT
FERNALD, OHIO

U. S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

FINAL

DOCUMENT CONTROL NO. 1789-PL-0007 (REV. 0) PCN1

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Hatched areas indicate demolition.

FIGURE 1-1 Advanced Wastewater Treatment Complex PCN1

2.0 GENERAL PROJECT REMEDIATION APPROACH

The overall approach to the above-grade D&D of the AWWT Complex is based on the project-specific applications of the programmatic elements and tasks that were described in Section 3 of the OU3 Integrated RD/RA Work Plan. Section 2 of the implementation plan summarizes the project-specific applications of those elements.

2.1 Sequencing of Remediation

The remediation sequence for the components in the AWWT Complex D&D project covers the period of: 1) premobilization, which includes the preparation, review and approval of the Fluor Fernald self-perform work control documents, health and safety documents, etc; 2) mobilization, which includes establishing project support facilities and controls; 3) actual D&D field activities for each building/component; and 4) demobilization, which includes securing the area and decontaminating/removing Fluor Fernald self-perform equipment. The actual sequence of building/component D&D will be determined by the Fluor Fernald self-perform project schedule which includes the operational sequence for shut-down of facilities. It is anticipated that the sequence for dismantlement may be the following:

1. Component G-008 – AWWT Pipe Bridges
2. Component 51B – Slurry Dewatering Facility
3. Component 51C – AWWT Laboratory Expansion Building
4. Component 51A – Advanced Wastewater Treatment Facility

2.2 Characterization of the AWWT Complex

A recent radiological survey was obtained to substantiate the information summarized in Table 2-1.

TABLE 2-1 Summary of Radiological Survey Data

Comp. No.	Alpha Removable (dpm/100 sq. cm.)			Beta-Gamma Removable (dpm/100 sq. cm.)			Beta-Gamma Total (dpm/100 sq. cm.)		
	Avg Value	Max Value	Sample Size	Avg Value	Max Value	Sample Size	Avg Value	Max Value	Sample Size
51A & Pipe Bridges	<MDCR	<MDCR	47	<MDCR	<MDCR	47	.38k	18k	47
51B	<MDCR	<MDCR	31	<MDCR	<MDCR	31	8.7k	75k	31
51C	<MDCR	<MDCR	14	<MDCR	<MDCR	14	<MDCR	<MDCR	14

MDCR – Minimal Detectable Count Rate

PCN1

Materials to be generated from components in the AWWT Complex D&D project are considered low-level radiological waste, which may be disposed in the On-Site Disposal Facility (OSDF) provided that other physical OSDF Waste Acceptance Criteria (WAC) is met.

PCN1



State of Ohio Environmental Protection Agency

006238

Southwest District Office

401 East Fifth Street
Dayton, Ohio 45402

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Bob Taft, Governor
Bruce Johnson, Lieutenant Governor

Joseph P. Koncelik, Director

January 19, 2005

U. S. Department of Energy
Ohio Field Office
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

RE: APPROVAL PILOT PLANT COMPLEX D&D COMPLETION REPORT

Dear Mr. Taylor:

This letter provides Ohio Environmental Protection Agency approval of the Project Completion Report for Decontamination and Dismantlement of the Pilot Plant Complex.

Should you have any questions, please contact Tom Ontko or me.

Sincerely,

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc: Jim Saric, U.S. EPA
Mark Shupe, GeoTrans, Inc.
Michelle Cullerton, Tetra Tech EM Inc.
Ruth Vandergrift, ODH



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

OCT 27 2004

REPLY TO THE ATTENTION OF:

Mr. Johnny W. Reising
United States Department of Energy
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

SR-6J

RE: Pilot Plant Project Completion
Report

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) project completion report for the Pilot Plant Complex Decontamination and Dismantlement (D&D).

This completion report for the Pilot Plant Complex is technically adequate and consistent with similar reports. Therefore, U.S. EPA approves the Pilot Plant Complex D&D completion report.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

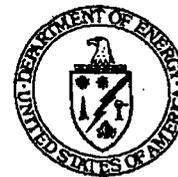
A handwritten signature in black ink, appearing to read "James A. Saric".

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

cc: Tom Schneider, OEPA-SWDO
Jamie Jameson, Fluor Fernald
Frank Johnston, Fluor Fernald



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



SEP 14 2004

Mr. James A. Saric, Remedial Project Manager
 United States Environmental Protection Agency
 Region V, SR-6J
 77 West Jackson Boulevard
 Chicago, Illinois 60604-3590

DOE-0364-04

Mr. Tom Schneider, Project Manager
 Ohio Environmental Protection Agency
 401 East 5th Street
 Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**PROJECT COMPLETION REPORT FOR THE PILOT PLANT COMPLEX DECONTAMINATION
 AND DISMANTLEMENT PROJECT**

Enclosed for your review and approval is the Operable Unit 3 Project Completion Report for the Pilot Plant Complex Decontamination and Dismantlement (D&D) Project. The regulatory commitment date for this submittal is September 17, 2004.

If there are any questions concerning this information, please contact Joe Neyer at (513) 648-3178 or Johnny Reising at (513) 648-3139.

Sincerely,

WJ Taylor
 William J. Taylor
 Director

FCP:Neyer

Enclosure: As Stated

006238

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

(513) 648-3000

FLUOR

September 7, 2004

Fernald Closure Project
Letter No. C:CPD:2004-0080

Mr. William J. Taylor, Director
Department of Energy
Fernald Closure Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705

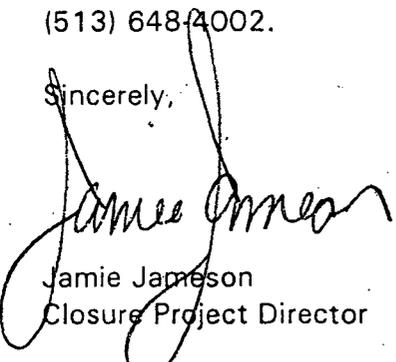
Dear Mr. Taylor:

**CONTRACT DE-AC24-01OH20115, PROJECT COMPLETION REPORT FOR THE PILOT
PLANT COMPLEX DECONTAMINATION AND DISMANTLEMENT PROJECT**

Enclosed is the Operable Unit 3 Project Completion Report for the Pilot Plant Complex Decontamination and Dismantlement (D&D) Project for submittal to the regulatory agencies for review and approval. The regulatory commitment date for this submittal is September 17, 2004, which is 60 days following completion of field activities.

If there are any questions concerning this information, please contact Jerry Fry at (513) 648-4002.

Sincerely,



Jamie Jameson
Closure Project Director

JJ:BDE:jrf:dap

Enclosure

OPERABLE UNIT 3

PROJECT COMPLETION REPORT

PILOT PLANT COMPLEX DECONTAMINATION AND DISMANTLEMENT



SEPTEMBER 2004

FERNALD CLOSURE PROJECT
FERNALD, OHIO

U. S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE
DOCUMENT CONTROL NO. 1789-RP-0005 (REV.0)

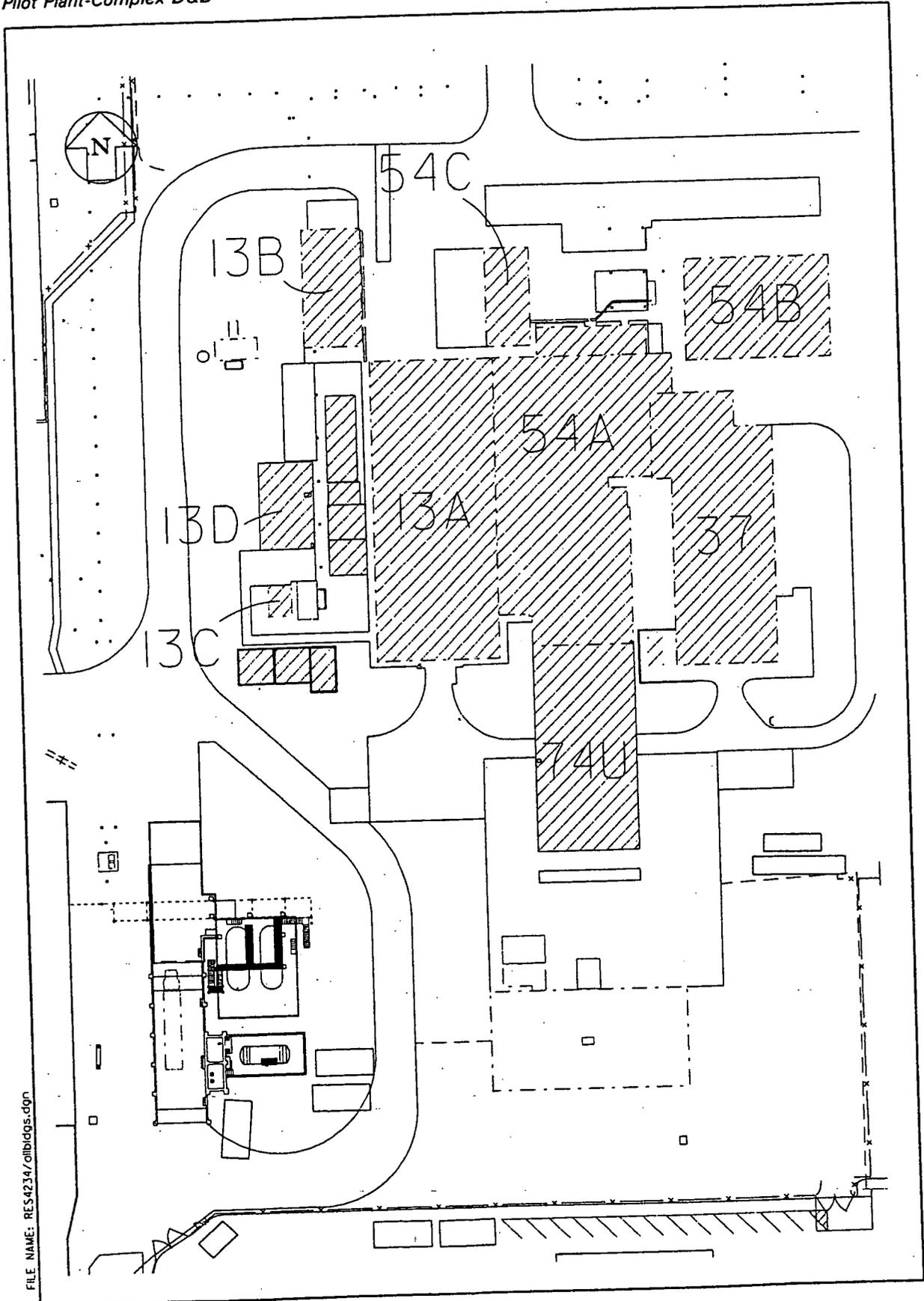


Figure 1-1 Pilot Plant Complex

1.2 Project Chronology

Table 1-1 lists the chronology of above-grade D&D activities for the Pilot Plant Complex:

TABLE 1-1 D&D Chronology

ACTIVITY	START	FINISH
Notice To Proceed	3/13/02	
Mobilization/Demobilization	6/3/02	6/7/04
Dismantlement:		
• Building 13A – Pilot Plant Wet Side	8/8/02	4/29/04
• Building 13B – Pilot Plant Maintenance Building	6/5/02	11/8/02
• Building 13C – Sump Pump House	10/14/02	12/10/02
• Component 13D – Pilot Plant Thorium Tank Farm	11/25/02	8/15/03
• Building 37 – Pilot Plant Annex	8/7/02	1/29/03
• Building 54A – Six to Four Reduction Facility #1	8/1/02	4/26/04
• Building 54B – Pilot Plant Warehouse	6/11/02	7/30/02
• Building 54C – Pilot Plant Dissociator Shelter	9/30/02	11/11/02
• Component 74U – Pilot Plant Pad (Crane Structure)	7/22/02	4/29/04
Debris Size Reduction and Containerization:		
• Building 13A – Pilot Plant Wet Side		6/1/04
• Building 13B – Pilot Plant Maintenance Building		11/15/02
• Building 13C – Sump Pump House		4/18/03
• Component 13D – Pilot Plant Thorium Tank Farm		8/19/03
• Building 37 – Pilot Plant Annex		2/12/03
• Building 54A – Six to Four Reduction Facility #1		6/1/04
• Building 54B – Pilot Plant Warehouse		8/1/02
• Building 54C – Pilot Plant Dissociator Shelter		11/12/02
• Component 74U – Pilot Plant Pad (Crane Structure)		6/1/04
Turnover of the Pilot Plant area to the Soil and Disposal Project		6/7/04
Soil and Disposal Project removal of the Tc99 concrete slab from the Southern Extraction Area (formerly Building 13A)	6/29/04	7/17/04
“Completion of Field Activities” (CFA) per the OU3 Integrated RD/RA Work Plan		7/20/04

2.0 REMEDIATION APPROACH

2.1 Preparatory Actions

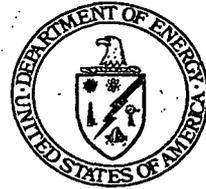
Safe Shutdown activities were performed by Fernald Closure Project (FCP) personnel under Removal Action No. 12 and were concluded for the Pilot Plant Complex on October 1, 1996. Safe Shutdown activities consisted of:

- removal of all salvageable equipment
- removal of loose, gross contamination



Department of Energy

**Ohio Field Office
Fernald Area Office
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155**



006238

JAN 15 2002

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

DOE-0242-02

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Jablonowski and Mr. Schneider:

**TRANSMITTAL OF THE IMPLEMENTATION PLAN FOR ABOVE-GRADE
DECONTAMINATION AND DISMANTLEMENT OF THE PILOT PLANT COMPLEX**

- References:
1. Letter, G. Jablonowski to J.W. Reising, "Approval of the Implementation Plan for Above-Grade Decontamination and Dismantlement of the Pilot Plant," dated July 16, 2001
 2. Letter, T.A. Schneider to J.W. Reising, "Re: Approval Pilot Plant Complex Implementation Plan," dated June 22, 2001

This letter transmits the Pilot Plant Complex Implementation Plan for Above-Grade Decontamination and Dismantlement (D&D) to the United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA). The USEPA and OEPA reviewed and approved the Implementation Plan per the referenced letters. Enclosed is the "final" copy of the referenced Implementation Plan for your records.

If you have any questions, please contact John Trygier at (513) 648-3154.

Sincerely,


Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Trygier

Enclosure: As Stated

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

006238

(513) 648-3000

FLUOR

January 8, 2002

Fernald Environmental Management Project
Letter No. C:OOTP:2002-0001

Mr. Stephen H. McCracken, Director
Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705

Dear Mr. McCracken:

CONTRACT NO. DE-AC24-01OH20115, IMPLEMENTATION PLAN (FINAL) FOR ABOVE-GRADE D&D OF THE PILOT PLANT COMPLEX PROJECT

- Reference:
1. Letter, G. Jablonowski to J. W. Reising, "Approval of the Implementation Plan for Above-Grade Decontamination and Dismantlement of the Pilot Plant Project," dated July 16, 2001
 2. Letter, T. A. Schneider to J. Reising, "Re: Approval Pilot Plant Complex Implementation Plan," dated June 22, 2001

This letter transmits the Pilot Plant Complex Implementation Plan (Final) for Above-Grade Decontamination and Dismantlement (D&D) to the U.S. Department of Energy for submittal to the regulatory agencies. This plan has been reviewed and approved by the regulatory agencies per the referenced letters.

The enclosed final implementation plan serves as the sole remedial design documentation being submitted for regulatory approval, pursuant to the Operable Unit 3 (OU3) Integrated Remedial Design/Remedial Action Work Plan.

Mr. Stephen H. McCracken
Letter No. C:OOTP:2002-0001
Page 2

00638

If there are any questions concerning this subject, our point of contact for this activity is Mike Stevens, 648-5187.

Sincerely,



John Bradburne
Chairman and CEO

JCB:JRF:Imm

Enclosure

c: Terri Binau, DOE Contracting Officer, MS45
Dennis Carr, MS2
Jerry Fry, MS87
Terrence Hagen, MS65-2
Glenn Griffiths, DOE-FEMP, MS45
Susan Hinnefeld, MS44-0-S
Woodrow Jameson, MS9
David Kozlowski, DOE-FEMP, MS45
Loretta E. Parsons, DOE Contracting Officer, MS45
Timothy Poff, MS65-2
John Sattler, DOE-FEMP, MS45
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS5
Mike Stevens, MS87
Johnny Reising, DOE-FEMP, MS45
John Trygier, DOE-FEMP, MS45
Project Number 1789
Administrative Record, MS78



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

006238

FERNALD _____
LOG B-1721

2001 JUL 18 A 9:42

JUL 16 2001

FILE: 6446.40
SRF-SJ

REPLY TO THE ATTENTION OF:

LIBRARY: _____

Mr. Johnny W. Reising
United States Department of Energy
Fernald Area Office
P.O. Box 398705
Cincinnati, Ohio 45239-8705

Subject: Approval of the Implementation Plan for Above-Grade
Decontamination and Dismantlement of the Pilot Plant Project

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has reviewed the above-referenced Implementation Plan prepared by the U.S. Department of Energy (U.S. DOE) and submitted to U.S. EPA on May 24, 2001. The Implementation Plan provides the overall remediation approach, component-specific remediation details, schedule, and management plan for the decontamination and dismantlement (D&D) of Buildings 13A, 13B, 13C, 37, 54A, 54B, 54C, and Components 13D and 74U. The primary regulatory milestones of this Implementation Plan include the following:

- Notice to Proceed - March 29, 2004; and
- Completion of Field Activities - March 26, 2006.

U.S. EPA found that the Implementation Plan adequately describes the remediation approach, component-specific remediation details, schedule, and management plan for the D&D of the Pilot Plant Complex. Therefore, U.S. EPA approves the Implementation Plan. Please contact me at (312) 886-4591 if you have any questions.

Sincerely,

Gene Jablonowski
Project Manager
Federal Facilities Section
Superfund Division

cc: Tom Schneider, OEPA-SWDO
Kim Chaney, U.S. DOE-HDQ
John Bradburne, Fluor Fernald
Terry Hagen, Fluor Fernald
Tim Poff, Fluor Fernald



State of Ohio Environmental Protection Agency

006238

Southwest District Office

401 East Fifth Street
Dayton, Ohio 45402-2911

TELE: (937) 285-6357 FAX: (937) 285-6404

Bob Taft, Governor
Maureen O'Connor, Lt. Governor
Christopher Jones, Director

June 22, 2001

Mr. Johnny Reising
U.S. Department of Energy, Fernald Area Office
P.O. Box 538705
Cincinnati, OH 45253-8705

RECEIVED
JUN 27 10 11 AM '01
B-1598

RE: APPROVAL PILOT PLANT COMPLEX IMPLEMENTATION PLAN

Dear Mr. Reising:

This letter provides Ohio Environmental Protection Agency approval of the Implementation Plan for Above-Grade Decontamination and Dismantlement of the Pilot Plant Complex.

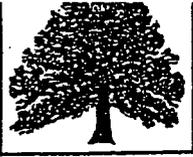
Should you have any questions, please contact Tom Ontko or me.

Sincerely,

cc: Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc: Jim Saric, U.S. EPA
Terry Hagen, Fluor Fernald
Mark Shupe, GeoTrans, Inc.
Francie Hodge, Tetra Tech EM Inc.
Ruth Vandergrift, ODH

9/10/01
Went to DOE mail room to see if this
letter had be received. Got this copy
JRF



Department of Energy

Ohio Field Office
Fernald Area Office

P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155



006238

MAY 24 2001

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

DOE- 0598-01

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Jablonowski and Mr. Schneider:

**TRANSMITTAL OF THE IMPLEMENTATION PLAN FOR ABOVE-GRADE
DECONTAMINATION AND DISMANTLEMENT OF THE PILOT PLANT COMPLEX**

The purpose of this letter is to transmit to the United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA) the enclosed Pilot Plant Complex Implementation Plan for Above-Grade Decontamination and Dismantlement (D&D) for review and approval.

The Pilot Plant Complex Implementation Plan serves as the sole remedial design documentation being submitted for regulatory approval identified in the Operable Unit 3 (OU3) Integrated Remedial Design/Remedial Action Work Plan. The Pilot Plant Complex Implementation Plan describes the applicable remedial design elements developed for the D&D of Buildings 13A, 13B, 13C, 37, 54A, 54B, 54C, and Components 13D and 74U. Building 68 (Pilot Plant Warehouse) is requested to be moved to the Laboratory complex due to ongoing activities for the Sample Disposition Project being performed by the Waste Treatment and Storage Group supporting waste shipping operations.

In addition, the Pilot Plant Complex Implementation Plan reflects the engineering design and analysis, which addresses project-specific D&D strategies, thereby, ensuring worker safety and incorporating the As Low As Reasonably Achievable (ALARA) concepts from project design to project completion.

MAY 24 2001

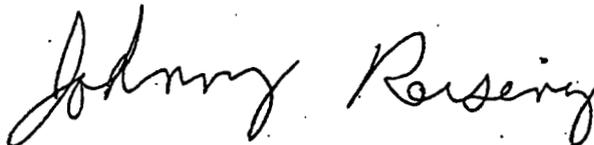
006238

Mr. Gene Jablonowski
Mr. Tom Schneider

-2-

If you or your staff have any questions, please contact John Trygier at (513) 648-3132.

Sincerely,



Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Boyd

Enclosure: As Stated

cc w/enclosure:

K. Chaney, EM-31/CLOV
J. McCloskey, EM-31/CLOV
M. Boyd, OH/FEMP
D. Kozlowski, OH/FEMP
J. Trygier, OH/FEMP
T. Schneider, OEPA-Dayton (three copies of enclosures)
J. Saric, USEPA-V, SRF-5J
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
R. Vandegrift, ODH
F. Hodge, Tetra Tech
D. Sizemore, Fluor Fernald, Inc./MS5
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosure:

A. Tanner, OH/FEMP
D. Carr, Fluor Fernald, Inc./MS2
J. Fry, Fluor Fernald, Inc./MS87
T. Hagen, Fluor Fernald, Inc./MS65-2
W. Jameson, Fluor Fernald, Inc./MS69
M. Stevens, Fluor Fernald, Inc./MS44-0
ECDC, Fluor Fernald, Inc./MS52-7

P.O. Box 538704
Cincinnati, OH 45253-8704

006238

(513) 648-3000

FLUOR GLOBAL SERVICES

May 23, 2001

Fernald Environmental Management Project
Letter No. C:OOTP:2001-0144

Mr. Stephen H. McCracken, Director
Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705

Dear Mr. McCracken:

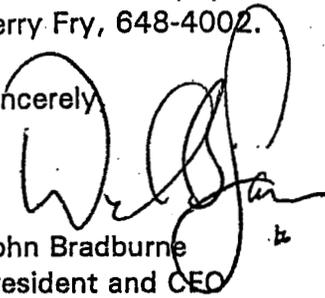
**CONTRACT NO. DE-AC24-01OH20115, IMPLEMENTATION PLAN FOR ABOVE-GRADE
D&D OF THE PILOT PLANT COMPLEX**

This letter transmits the draft Pilot Plant Complex Implementation Plan for Above-Grade Decontamination and Dismantlement (D&D) to the U.S. Department of Energy for submittal to the regulatory agencies for their review and approval. The regulatory milestone for submittal of this implementation plan to the regulatory agencies is May 25, 2001, pursuant to the most recent amendment to Operable Unit 3 Integrated Remedial Design/Remedial Action Work Plan Regulatory Milestones (DOE Letter DOE-0921-99 dated July 16, 1999).

The enclosed draft implementation plan serves as the sole remedial design documentation being submitted for regulatory approval, pursuant to the Operable Unit 3 (OU3) Integrated Remedial Design/Remedial Action Work Plan. Accordingly, this implementation plan has been prepared to document the applicable engineering design elements and strategies for project execution. The draft implementation plan describes the applicable remedial design elements developed for the D&D of OU3 Buildings 13A, 13B, 13C, 37, 54A, 54B, 54C and Components 13D and 74U.

If there are any questions concerning this subject, our point of contact for this activity is Jerry Fry, 648-4002.

Sincerely,



John Bradburne
President and CEO

JCB:JFJ:jq

Enclosure

c: Robert J. Bell, DOE Contracting Officer, MS45
Terri Binau, DOE Contracting Officer, MS45
Jerry Fry, MS44-0
Glenn Griffiths, DOE-FEMP, MS45
Jamie Jameson, MS69
Loretta E. Parsons, DOE Contracting Officer, MS45
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS5
Mike Stevens, MS44-0
John Trygier, DOE-FEMP, MS45
Project Number 1792
Administrative Record, MS78

OPERABLE UNIT 3

PILOT PLANT COMPLEX IMPLEMENTATION PLAN FOR ABOVE-GRADE DECONTAMINATION AND DISMANTLEMENT



JANUARY 2002

**FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO**

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

FINAL

DOCUMENT CONTROL NO. 1789-PL-0001 (REV. 0)

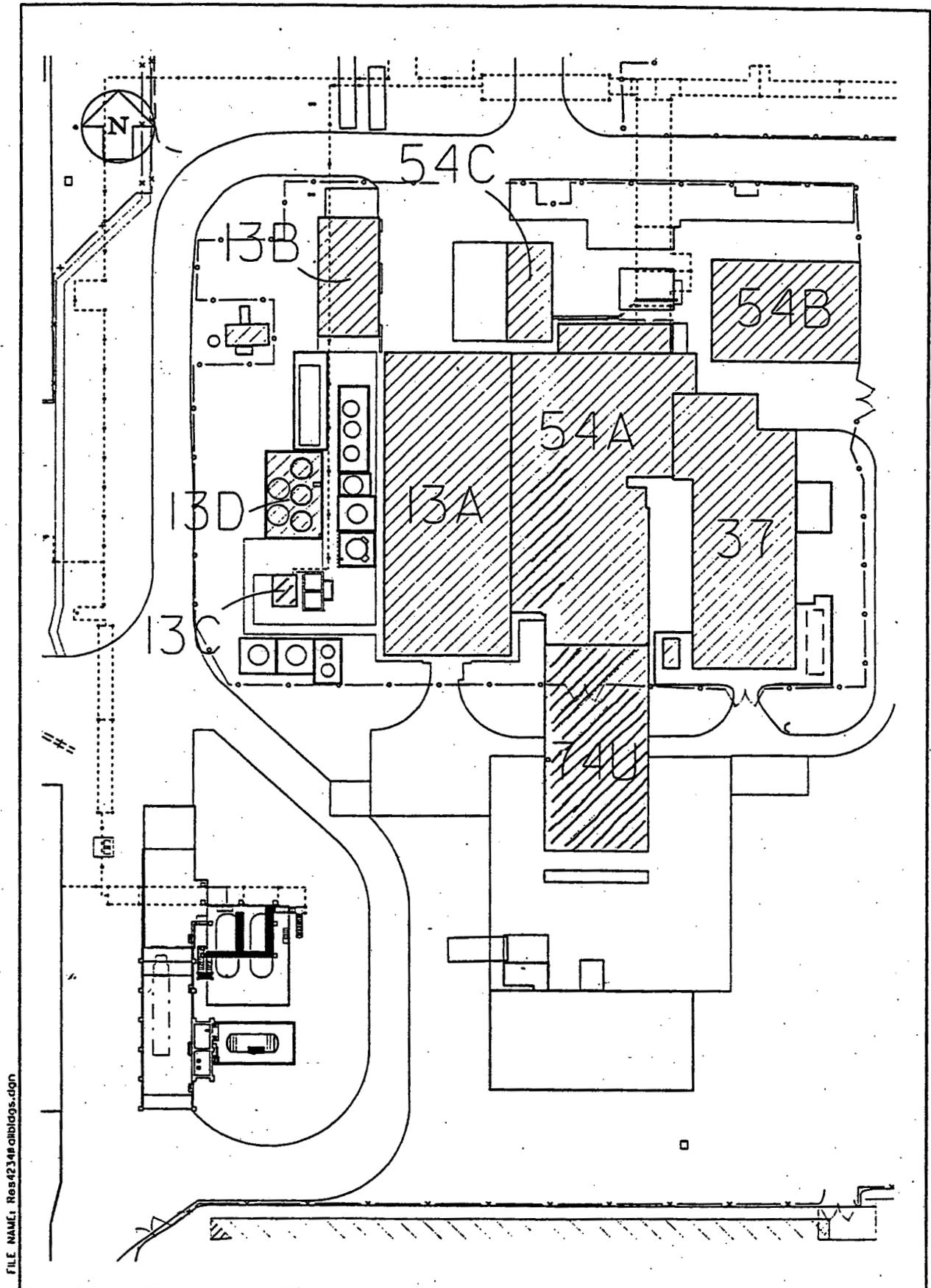


FIGURE 1-1 Pilot Plant Complex

2.0 GENERAL PROJECT REMEDIATION APPROACH

The overall approach to the above-grade D&D of the Pilot Plant Complex is based on the project-specific applications of the programmatic elements and tasks that were described in Section 3 of the OU3 Integrated RD/RA Work Plan. Section 2 of the implementation plan summarizes the project-specific applications of those elements.

2.1 Sequencing of Remediation

The remediation sequence for components in the Pilot Plant Complex D&D project includes a period of: 1) Notice to Proceed (NTP); 2) premobilization, when Contractor Safe Work Plans, health and safety documents, etc., are prepared, submitted and approved; 3) mobilization, which includes establishing project support facilities and controls; 4) D&D field activities for each component and 5) demobilization, securing the area and decontaminating/removing Contractor equipment. The actual sequence of component D&D will be determined by the Contractor's project schedule, subject to FEMP Project Management approval. Based on a constructability review of the project, it is anticipated that the sequence for dismantlement may be the following:

1. Component 74U;
2. Building 54B;
3. Building 54C;
4. Building 13B;
5. Building 54A (southern portion);
6. Building 37;
7. Building 13C;
8. Building 13D;
9. Building 13A; and
10. Building 54A (northern section).

In order to meet the project schedule shown in Section 4, it is expected that multiple work crews will be used in each of the PPC buildings to concurrently remove/fix contamination, perform asbestos abatement, and dismantle interior equipment/systems.

2.2 Characterization of the Pilot Plant Complex

Historical and recent radiological surveys were compiled during the design to substantiate this information and are summarized in Table 2-1.

006238

Interim Declaration Checklist – C.1.1.5

Area Verification of Soils Excavation Completion

Date: 10-26-06

DOE Signature: *Johnny Reisy 10/26/06*

Fluor Fernald Signature: *Frank Albertin*

Remediation Area Evaluated: DA7(3)		
Criteria	Fluor Fernald Verified (Y/N)	DOE CO Concur (Y/N)
Integrated Remedial Design Package is Approved by USEPA	<i>Y ma</i>	<i>Y fe</i>
Soil Disposition Manifests are Available	<i>Y ma</i>	<i>Y in system fe</i>
Certification Design Letter is Approved by the Agencies	<i>Y ma</i>	<i>Y fe</i>
Soil FRL's are Achieved	<i>Y ma</i>	<i>Y fe</i>
Certification Report is Approved	<i>Y ma</i>	<i>Y fe</i>
Contour Grading is Completed	<i>Y ma</i>	<i>Y fe - may be some punch list items</i>

10/24/06
"
"
"
"
"
"

Documents & Letters Supporting Completion Declaration:

Document	Approval Date
3B/4B/5 IRDP	
Area 7 Silos & General Area Excavation Plan	
Area 7 Support & Silos Process Area Excavation Plan	
Area 4B Part Two & MDC Area – 1 st Street CDL & Certification Report	
Area 7 Miscellaneous Areas CDL & Certification Report	
Area 6 General Area East CDL & Certification Report	
Area 6 Sitewide Rail Line System CDL & Certification Report	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

DA3B
DA6PI
DA7(3)

006238

JUL 31 2008

REPLY TO THE ATTENTION OF:

Mr. Johnny W. Reising
United States Department of Energy
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

SR-6J

RE: Area 6 General Area East
Certification Report

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) certification report for the Area 6 General Area East. The document provides certification information and data for 18 certification units in this area.

The certification report adequately demonstrates that the area has achieved the final remediation levels, and is consistent with other certification reports. Therefore, U.S. EPA approves the Area 6 General Area East certification report.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

cc: Tom Schneider, OEPA-SWDO
Con Murphy, Fluor Fernald
Frank Johnston, Fluor Fernald



Department of Energy

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



JUN 30 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-0158-06

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 THE DRAFT CERTIFICATION REPORT FOR AREA 6
GENERAL AREA EAST**

- References:
- 1) Letter DOE-0134-06, J. Reising to J. Saric and T. Schneider, "Request for Extension for Submittal of the Certification Report for Area 6 General Area East," dated May 25, 2006
 - 2) Letter, T. Schneider to J. Reising, "Approval - Request for Extension A6 General Area East Certification Report," dated June 7, 2006

Enclosed for your review is the draft Certification Report for Area 6 General Area East. The commitment date for this report was extended to July 1, 2006 as approved by the Ohio Environmental Protection Agency in the above referenced letter.

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

Sincerely,

Johnny W. Reising
Director

Enclosure

Mr. James Saric
Mr. Thomas Schneider

-2-

DOE-0158-06

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./MS6

cc w/o enclosure:

J. Chiou, Fluor Fernald, Inc./MS88
F. Johnston, Fluor Fernald, Inc./MS12
C. Murphy, Fluor Fernald, Inc./MS1

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

006238

FLUOR

June 29, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0145

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Reising:

**CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE DRAFT CERTIFICATION
REPORT FOR AREA 6 GENERAL AREA EAST**

- References: 1) Letter DOE-0134-06, J. Reising to J. Saric and T. Schneider, "Request for Extension for Submittal of the Certification Report for Area 6 General Area East," dated May 25, 2006
- 2) Letter, T. Schneider to J. Reising, "Approval - Request for Extension A6 General Area East Certification Report," dated June 7, 2006

Enclosed for your review is the draft Certification Report for Area 6 General Area East. The commitment date for this report was extended to July 1, 2006 as approved by the Ohio Environmental Protection Agency (OEPA) in the above referenced letter.

Upon your concurrence, please forward this document to the U.S. Environmental Protection Agency and OEPA. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at (513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:RJA:jkp

Enclosure

c: With Enclosure

Debbie Brennan, MS88
Joe Desormeau, DOE-OH/FCP, MS2
Reinhard Friske, MS60
SDFP Library, MS88
DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20600.2.22 (20600-RP-0007)

Without Enclosure

Richard Abitz, MS88
Pete Bolig, MS60
Tom Buhrlage, MS60-1
Jyh-Dong Chiou, MS88
Dennis Dalga, MS88
Ernie DiMuccio, MS1
Mike Frank, MS88
Gregg Johnson, MS90
Frank Johnston, MS12
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Uday Kumthekar, MS88
Donna Metzler, Stoller, MS2
Jeff Middaugh, MS60
Frank L. Miller, MS60
Scott Osborn, MS25
Garner Powell, MS60
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1
Anthony Snider, MS88
Tammy Terry, MS1
Chuck Van Arsdale, MS88
Christa Walls, MS25
Fred Wilson, MS60
Bill Zebick, MS60

006238

**CERTIFICATION REPORT FOR
AREA 6 GENERAL AREA EAST**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



JUNE 2006

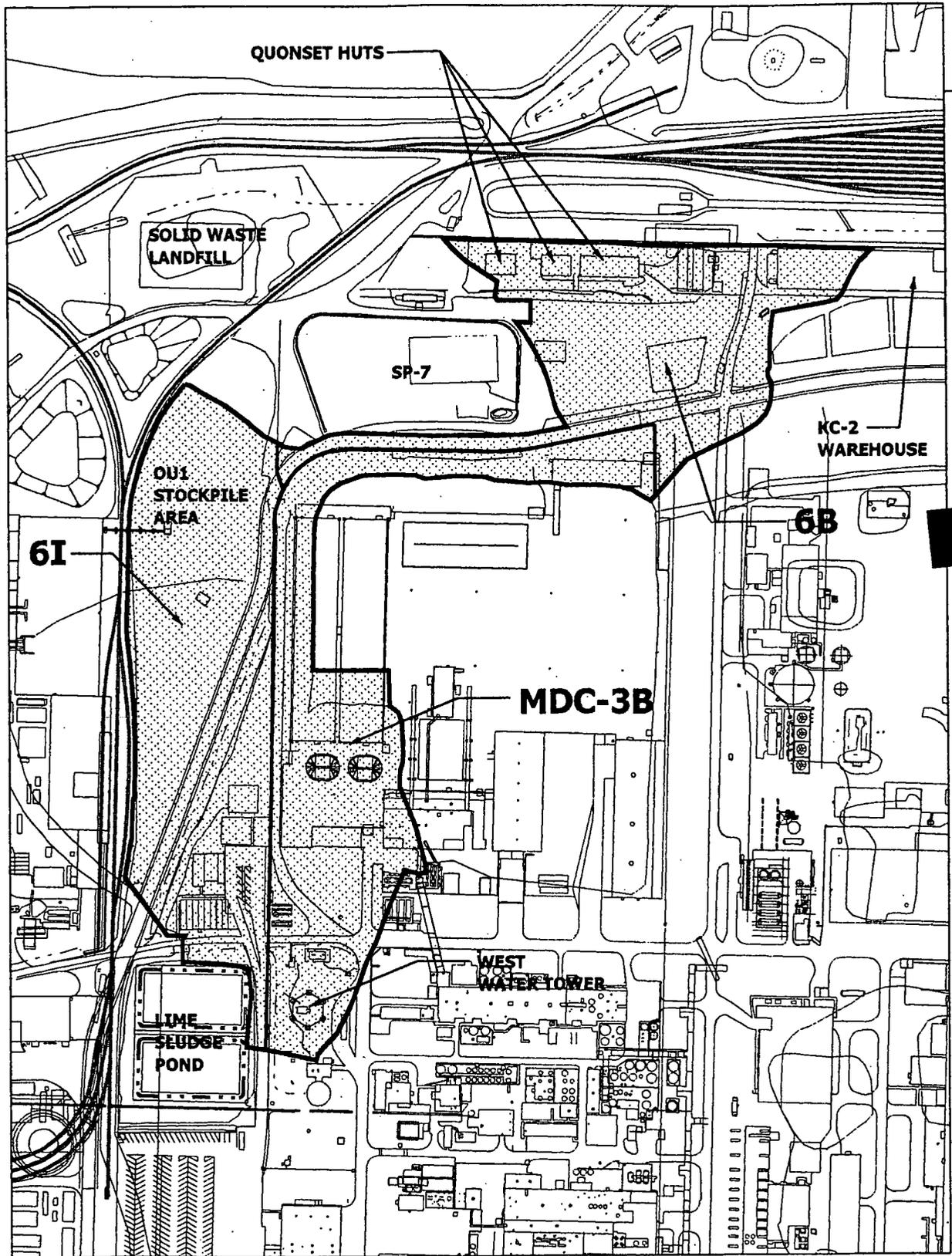
U.S. DEPARTMENT OF ENERGY

**20600-RP-0007
REVISION A
DRAFT**

VI:02fm12wqgm06_ga-002.dgn

STATE PLANNING COORDINATE SYSTEM 1983

15-JUN-2006



LEGEND:

-  CERTIFICATION AREA BOUNDARY
-  CERTIFICATION AREA

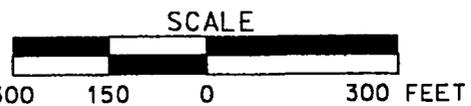


FIGURE 1-1. AREA 6 GENERAL AREA EAST CERTIFICATION LOCATION MAP WITH HISTORICAL SURFACE FEATURES

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

DA3B PA5PI
DA7(3) DASP II
DA7(4)

FLUOR

006238

October 24, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0242

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

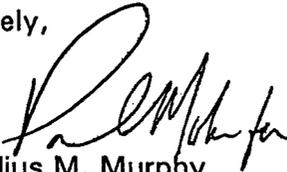
Dear Mr. Reising:

**CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE DRAFT CERTIFICATION
REPORT FOR AREA 4B – PART TWO AND MAIN DRAINAGE CORRIDOR AREA –
1ST STREET, REVISION A (20810-RP-0012)**

Enclosed for your review and approval is the draft Certification Report for Area 4B – Part Two and Main Drainage Corridor Area – 1st Street.

Upon your concurrence, please forward this document to the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at (513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:RJA:ldt

Enclosure

c: With Enclosure

Joe Desormeau, DOE-OH/FCP, MS2
Frank Johnston, MS12
Greg Lupton, MS88
Tammy Terry, MS1
SDFP Library, MS88
DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20810.2.22 (20810-PL-0012)

Without Enclosure

Rich Abitz, MS88
Tom Buhrlage, MS60-1
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Donna Metzler, Stoller, MS2
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1

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

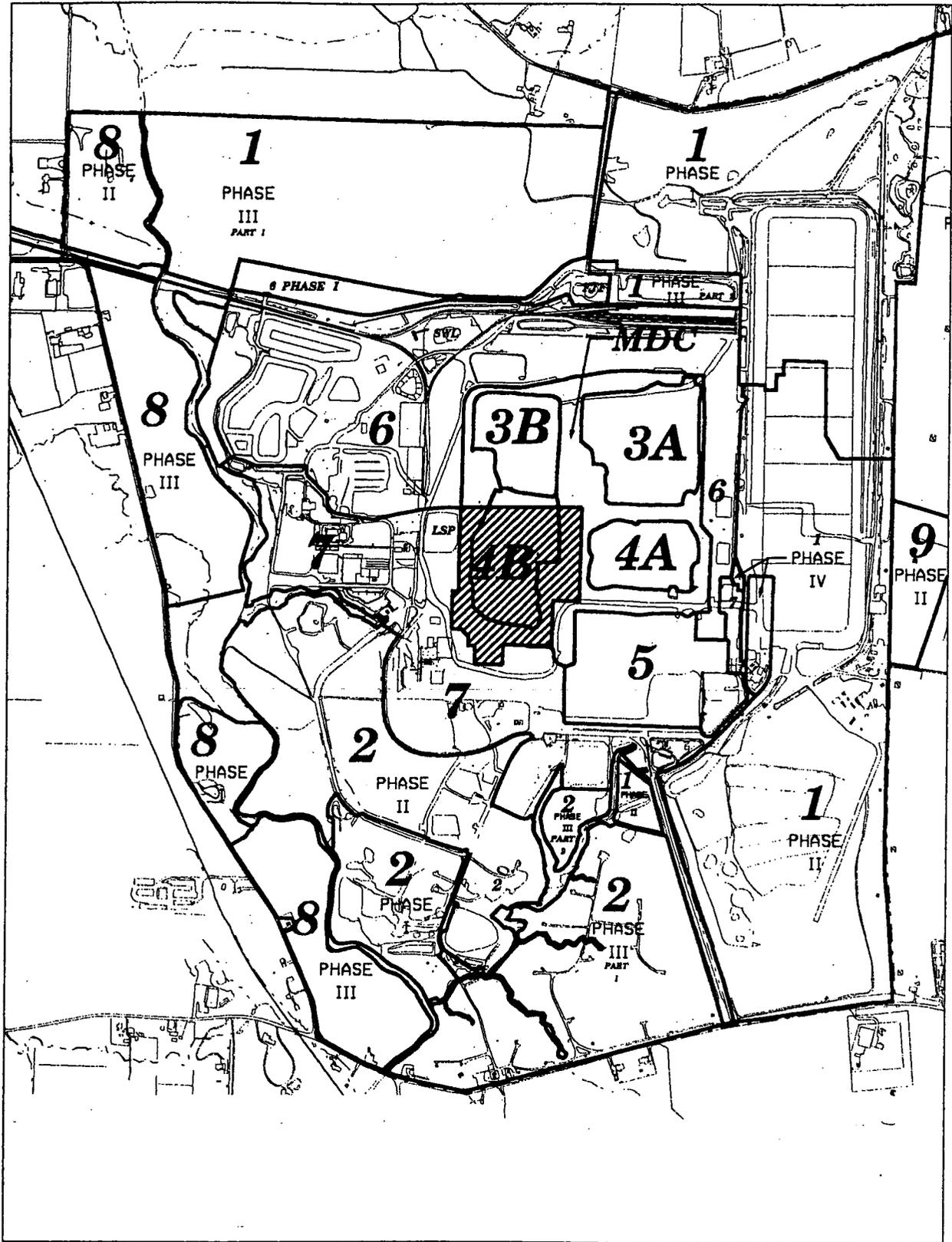
**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



OCTOBER 2006

U.S. DEPARTMENT OF ENERGY

**20810-RP-0012
REVISION A
DRAFT**



LEGEND:

--- FCP BOUNDARY

SCALE

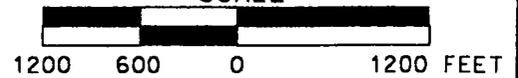
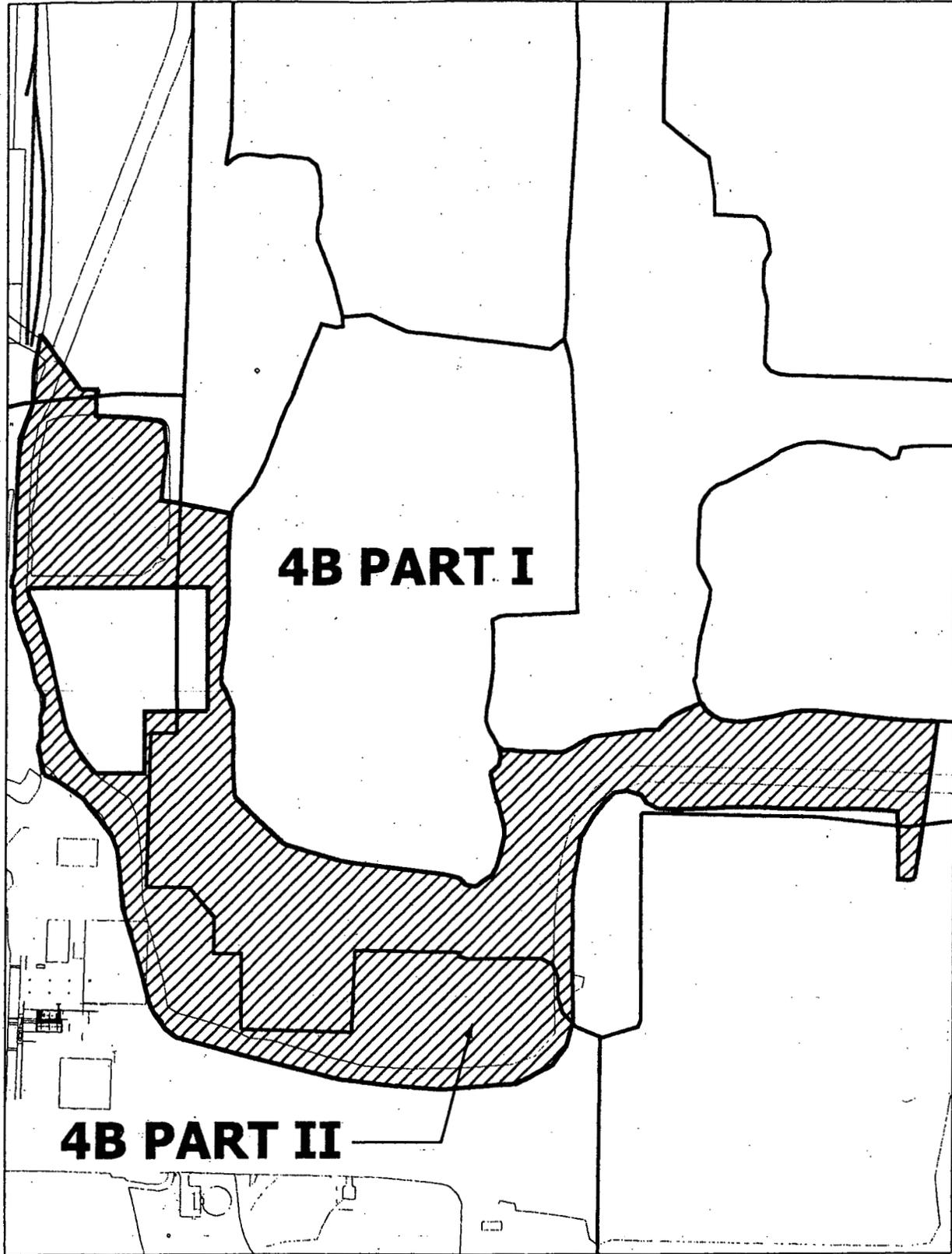


FIGURE 1-1. AREA 4B LOCATION MAP

v:\e\m\2\ad\g\ad\013.dgn

STATE PLANNING COORDINATE SYSTEM 1983

23-OCT-2006

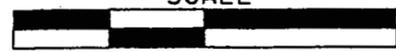


LEGEND:



4B PART II
CERTIFICATION AREA

SCALE



300 150 0 300 FEET

FIGURE 1-2. AREA 4B - PART TWO CERTIFICATION AREA

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

10.01.10.00.11.01
DA6PI
DA6PII
DA7(2)
DA7(3)

006238

FLUOR

October 25, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0236

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

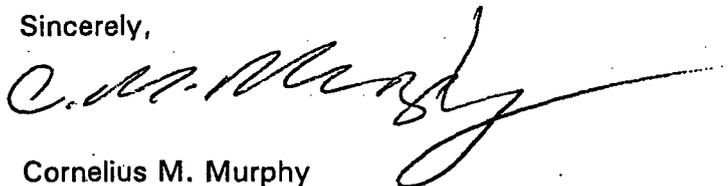
Dear Mr. Reising:

**CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE CERTIFICATION REPORT FOR
AREA 6 SITEWIDE RAIL LINE SYSTEM, REVISION A (20600-RP-0011)**

Enclosed for your review and approval is the draft Certification Report for Area 6 Sitewide Rail Line System.

Upon your concurrence, please forward this document to the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at (513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:RJA:ldt

Enclosure

Mr. Johnny W. Reising, Director

Letter No. C:CPD:2006-0236

Page 2

c: With Enclosure

Denise Arico, MS88
Joe Desormeau, DOE-OH/FCP, MS2
Frank Johnston, MS12
Tammy Terry, MS1
SDFP Library, MS88
DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20600.2.22 (20600-RP-0011)

Without Enclosure

Rich Abitz, MS88
Ernie DiMuccio, MS1
Krista Flaugh, MS88
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Donna Metzler, Stoller, MS2
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1

**CERTIFICATION REPORT
FOR AREA 6 SITEWIDE RAIL LINE SYSTEM**

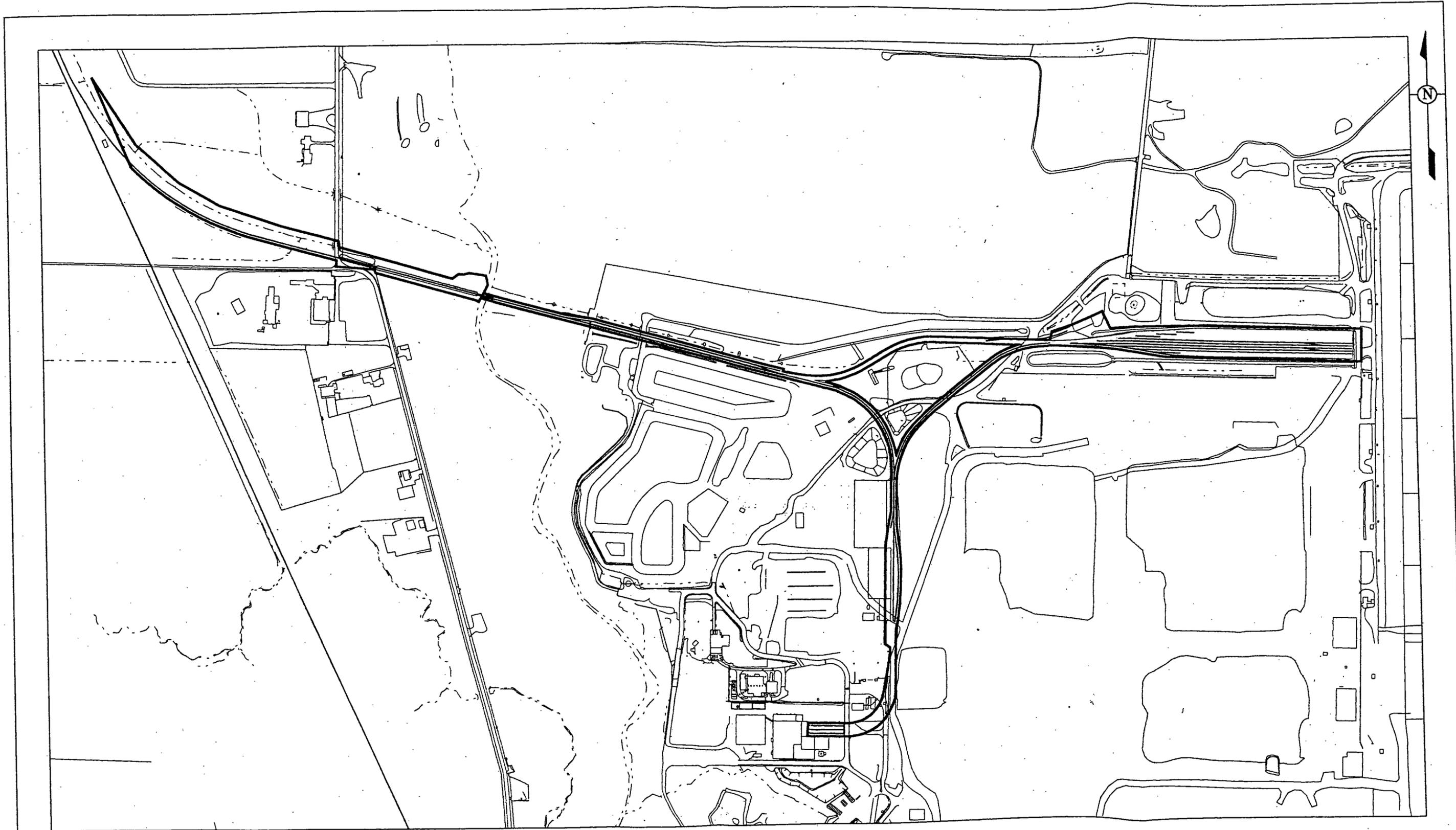
**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



OCTOBER 2006

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

**20600-RP-0011
REVISION A
DRAFT**



LEGEND:

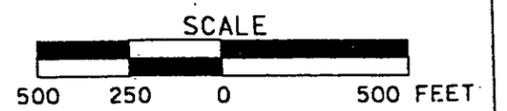


FIGURE 1-1. SITEWIDE RAIL LINE SYSTEM LOCATION MAP



Department of Energy

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

OCT 23 2006

DA7(2) DA7(4)
DA7(3) DA7(7)



006238

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-0022-07

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 THE CERTIFICATION REPORT FOR AREA 7
MISCELLANEOUS AREAS, REVISION A (20500-RP-0008)**

Enclosed for your review and approval is the draft Certification Report for Area 7 Miscellaneous Areas.

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

Sincerely,

Johnny W. Reising
Director

Enclosure: As Stated

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

Mr. James Saric
Mr. Thomas Schneider

-2-

DOE-0022-07

cc w/o enclosure:

R. Abitz, Fluor Fernald, Inc./MS88
J. Chiou, Fluor Fernald, Inc./MS88
F. Johnston, Fluor Fernald, Inc./MS12
C. Murphy, Fluor Fernald, Inc./MS1
T. Terry, Fluor Fernald, Inc./MS1

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

DA7(3) DA7(7)

006238

FLUOR

October 20, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0235

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Reising:

**CONTRACT DE-AC24-010H20115, TRANSMITTAL OF THE DRAFT CERTIFICATION
REPORT FOR AREA 7 MISCELLANEOUS AREAS, REVISION A (20500-PL-0008)**

Enclosed for your review and approval is the draft Certification Report for Area 7
Miscellaneous Areas.

Upon your concurrence, please forward this document to the U.S. Environmental Protection
Agency and Ohio Environmental Protection Agency. If you have any questions or require
additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at
(513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:RJA:ldt

Enclosure

c: With Enclosure

Joe Desormeau, DOE-OH/FCP, MS2
Reinhard Friske, MS60
Frank Johnston, MS12
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Greg Lupton, MS88
Tammy Terry, MS1
SDFP Library, MS88
DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20500.2.22 (20500-PL-0008)

Without Enclosure

Rich Abitz, MS88
Tom Buhrlage, MS60-1
Mike Frank, MS88
Donna Metzler, Stoller, MS2
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1

DA7(4) DA7(3)
DA7(7) DA7(2)

006238

CERTIFICATION REPORT FOR AREA 7 MISCELLANEOUS AREAS

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



OCTOBER 2006

U.S. DEPARTMENT OF ENERGY

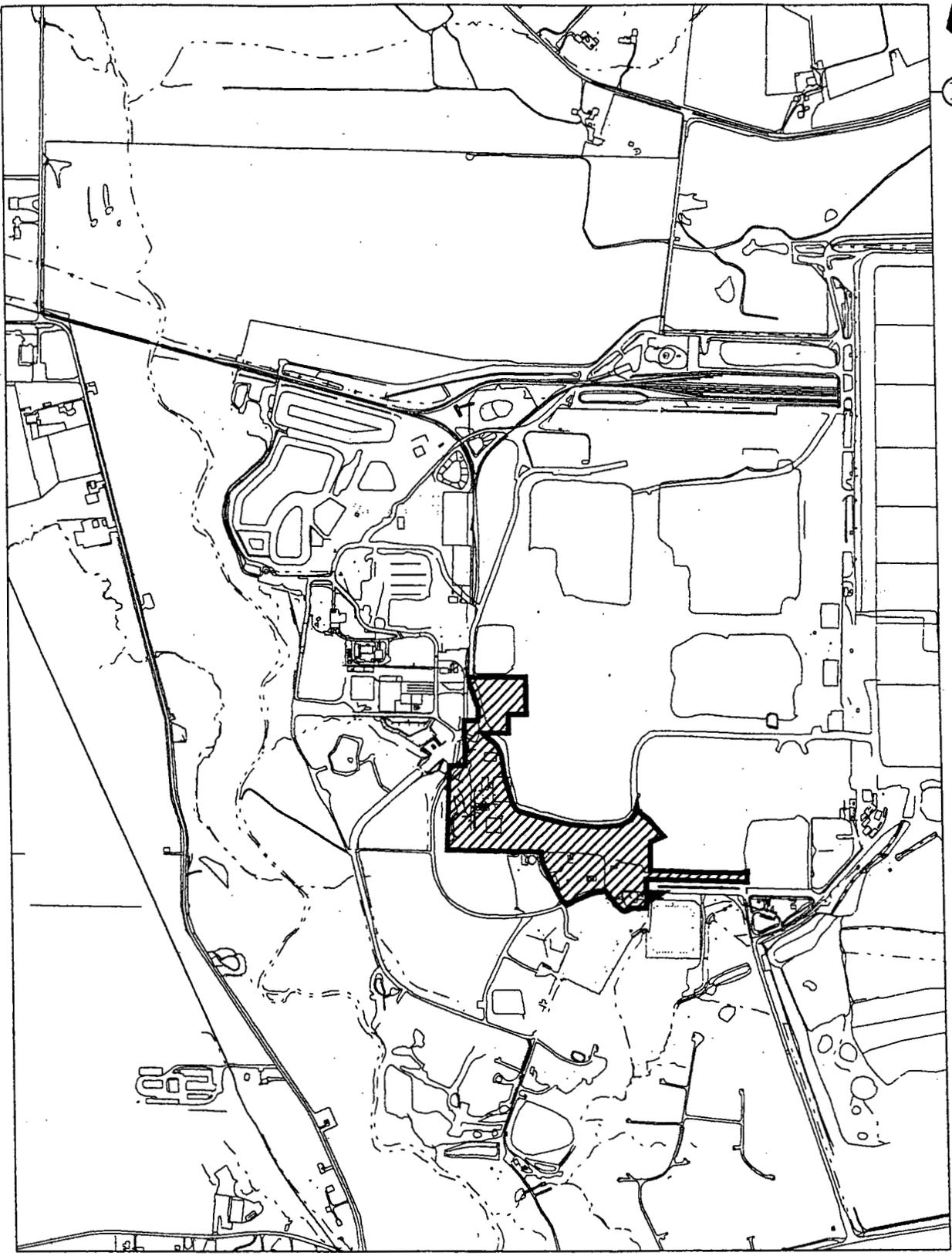
**20500-RP-0008
REVISION A
DRAFT**

DRAFT
Revision A
2006

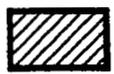
STATE PLANNING BOARD
MILWAUKEE, WISCONSIN
1010 - 001

STATE PLANNING COORDINATE SYSTEM 1983

19-OCT-2006

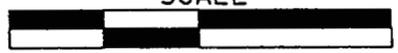


LEGEND:



A7 MISC. AREA

SCALE



1000 500 0 1000 FEET

FIGURE 1-1. AREA 7 MISCELLANEOUS AREAS CERTIFICATION AREA LOCATION MAP



State of Ohio Environmental Protection Agency

006238

DA5PI
DA7(3)

Rec'd 10-19-06

Southwest District

401 East Fifth Street
Dayton, Ohio 45402-2911

TELE: (937)285-6357 FAX: (937)285-6249
www.epa.state.oh.us

Bob Taft, Governor
Bruce Johnson, Lt. Governor
Joseph P. Koncelik, Director

October 13, 2006

Mr. Johnny Reising
US Department of Energy
Ohio Field Office
Fernald Closure Project
175 TriCounty Parkway
Springdale, Ohio 45246

**RE: APPROVAL - CDL AND CERTIFICATION PSP FOR AREA 4B - PART TWO
AND MDC AREA - 1st STREET**

Mr. Reising:

Ohio EPA has received DOE's *Transmittal Of The DRAFT Certification Design Letter and Certification Project Specific Plan For Area 4B - Part Two And Main Drainage Corridor Area - 1st Street and U.S. and Ohio Environmental Protection Agency Comments*, submitted on October 12, 2006. Based upon Ohio EPA's review of the documents, we approve the CDL/PSP.

If there are any questions, please contact me or Donna Bohannon.

Sincerely,

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc: Jim Saric, U.S. EPA
Michelle Cullerton, Tetra Tech, EMI

DA7(3)
DA5PI

006238



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGIONS 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

OCT 19 2008

REPLY TO THE ATTENTION OF:

Mr. Johnny W. Reising
United States Department of Energy
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

SR-6J

RE: Area 4B-Part 2 Final CDL and PSP

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) final Certification Design Letter (CDL) and Certification Project Specific Plan (PSP) for the Area 4B-Part 2 and main drainage corridor Area - 1st Street. The document describes plans to demonstrate the soil in this area meets the final remediation levels.

U.S. DOE has adequately addressed U.S. EPA's previous comments and incorporated them into the document. Therefore, U.S. EPA approves the final CDL and PSP for the Area 4B-Part 2 and main drainage corridor Area - 1st Street.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "James A. Saric".

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

cc: Tom Schneider, OEPA-SWDO
Con Murphy, Fluor Fernald
Frank Johnston, Fluor Fernald

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

10.01.10.04.1704

DA 7(3)
PASPI

006238

FLUOR

October 6, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0211

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

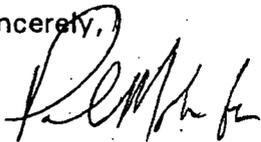
Dear Mr. Reising:

**CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF RESPONSES TO U.S. EPA
TECHNICAL REVIEW COMMENTS ON THE DRAFT CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN FOR AREA 4B - PART TWO AND MAIN
DRAINAGE CORRIDOR AREA - 1ST STREET**

Enclosed for your review are responses to U.S. Environmental Protection Agency comments on the draft Certification Design Letter and Certification Project Specific Plan for Area 4B - Part Two and Main Drainage Corridor Area - 1st Street.

Upon your concurrence, please forward this document to the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at (513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:RJA:ldt
Enclosure

c: With Enclosures

Joe Desormeau, DOE-OH/FCP, MS2
Reinhard Friske, MS60
Frank Johnston, MS12
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Greg Lupton, MS88
Tammy Terry, MS1
SDFP Library, MS88
DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20810.2.22 (20810-PSP-0012)

Without Enclosures

Rich Abitz, MS88
Pete Bolig, MS60
Tom Buhrlage, MS60-1
Jyh-Dong Chiou, MS88
Dennis Dalga, MS3
Ernie DiMuccio, MS1
Mike Frank, MS88
Uday Kumthekar, MS88
Donna Metzler, Stoller, MS2
Jeff Middaugh, MS60
Frank L. Miller, MS60
Garner Powell, MS60
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1
Anthony Snider, MS88
Chuck Van Arsdale, MS88
Christa Walls, MS3
Fred Wilson, MS60
Bill Zebick, MS60

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

006238

FLUOR

October 10, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0215

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Reising:

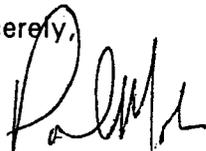
CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE FINAL CERTIFICATION DESIGN LETTER AND CERTIFICATION PROJECT SPECIFIC PLAN FOR AREA 4B - PART TWO AND MAIN DRAINAGE CORRIDOR AREA - 1ST STREET AND U.S. AND OHIO ENVIRONMENTAL PROTECTION AGENCY COMMENTS

- References:
- 1) Letter, J. Reising to J. Saric and T. Schneider, "Transmittal of the Draft Certification Design Letter and Certification Project Specific Plan for Area 4B - Part Two and Main Drainage Corridor Area - 1st Street," dated September 20, 2006
 - 2) Letter, J. Saric to J. Reising, "RE: Area 4B-Part 2 Draft CDL & PSP," dated October 4, 2006
 - 3) Letter, T. Schneider, "Disapproval - CDL and Certification PSP for Area 4B - Part Two and MDC - 1st Street," dated October 5, 2006

Enclosed for your review are the Final Certification Design Letter and Certification Project Specific Plan for Area 4B - Part Two and Main Drainage Corridor Area - 1st Street and responses to U.S. and Ohio Environmental Protection Agency comments (References 2 and 3).

Upon your concurrence, please forward this document to the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at (513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:RJA:ldt

Enclosures

c: With Enclosures

Joe Desormeau, DOE-OH/FCP, MS2
Reinhard Friske, MS60
Frank Johnston, MS12
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Greg Lupton, MS88
Tammy Terry, MS1
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DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20810.2.22 (20810-PSP-0012)

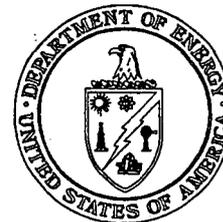
Without Enclosures

Rich Abitz, MS88
Pete Bolig, MS60
Tom Buhrlage, MS60-1
Jyh-Dong Chiou, MS88
Ernie DiMuccio, MS1
Mike Frank, MS88
Uday Kumthekar, MS88
Donna Metzler, Stoller, MS2
Jeff Middaugh, MS60
Frank L. Miller, MS60
Garner Powell, MS60
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1
Chuck Van Arsdale, MS88
Christa Walls, MS3



Department of Energy

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



OCT 11 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-0008-07

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 THE FINAL CERTIFICATION DESIGN LETTER AND
 CERTIFICATION PROJECT SPECIFIC PLAN FOR AREA 4B - PART TWO AND MAIN
 DRAINAGE CORRIDOR AREA - 1ST STREET AND U.S. AND OHIO
 ENVIRONMENTAL PROTECTION AGENCY COMMENTS**

- References:
- 1) Letter, J. Reising to J. Saric and T. Schneider, "Transmittal of the Draft Certification Design Letter and Certification Project Specific Plan for Area 4B - Part Two and Main Drainage Corridor Area - 1st Street," dated September 20, 2006
 - 2) Letter, J. Saric to J. Reising, "RE: Area 4B-Part 2 Draft CDL & PSP," dated October 4, 2006
 - 3) Letter, T. Schneider, "Disapproval - CDL and Certification PSP for Area 4B - Part Two and MDC - 1st Street," dated October 5, 2006

Enclosed for your review are the Final Certification Design Letter and Certification Project Specific Plan for Area 4B - Part Two and Main Drainage Corridor Area - 1st Street and responses to U.S. and Ohio Environmental Protection Agency comments (References 2 and 3).

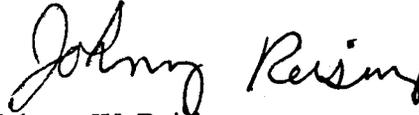
Mr. James Saric
Mr. Thomas Schneider

-2-

DOE-0008-07

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

Sincerely,



Johnny W. Reising
Director

Enc.: As Stated

cc w/enclosure:

J. Desormeau, DOE-OH/FCP
M. Cullerton, Tetra Tech
S. Helmer, ODH
G. Jablonowski, USEPA-V, SRF-5J
T. Schneider, OEPA-Dayton (three copies of enclosure)
M. Shupe, HSI GeoTrans

cc w/o enclosure:

R. Abitz, Fluor Fernald, Inc./MS88
J. Chiou, Fluor Fernald, Inc./MS88
F. Johnston, Fluor Fernald, Inc./MS12
C. Murphy, Fluor Fernald, Inc./MS1
T. Terry, Fluor Fernald, Inc./MS1

**CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN FOR
AREA 4B - PART TWO AND MAIN DRAINAGE
CORRIDOR AREA - 1st STREET**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



OCTOBER 2006

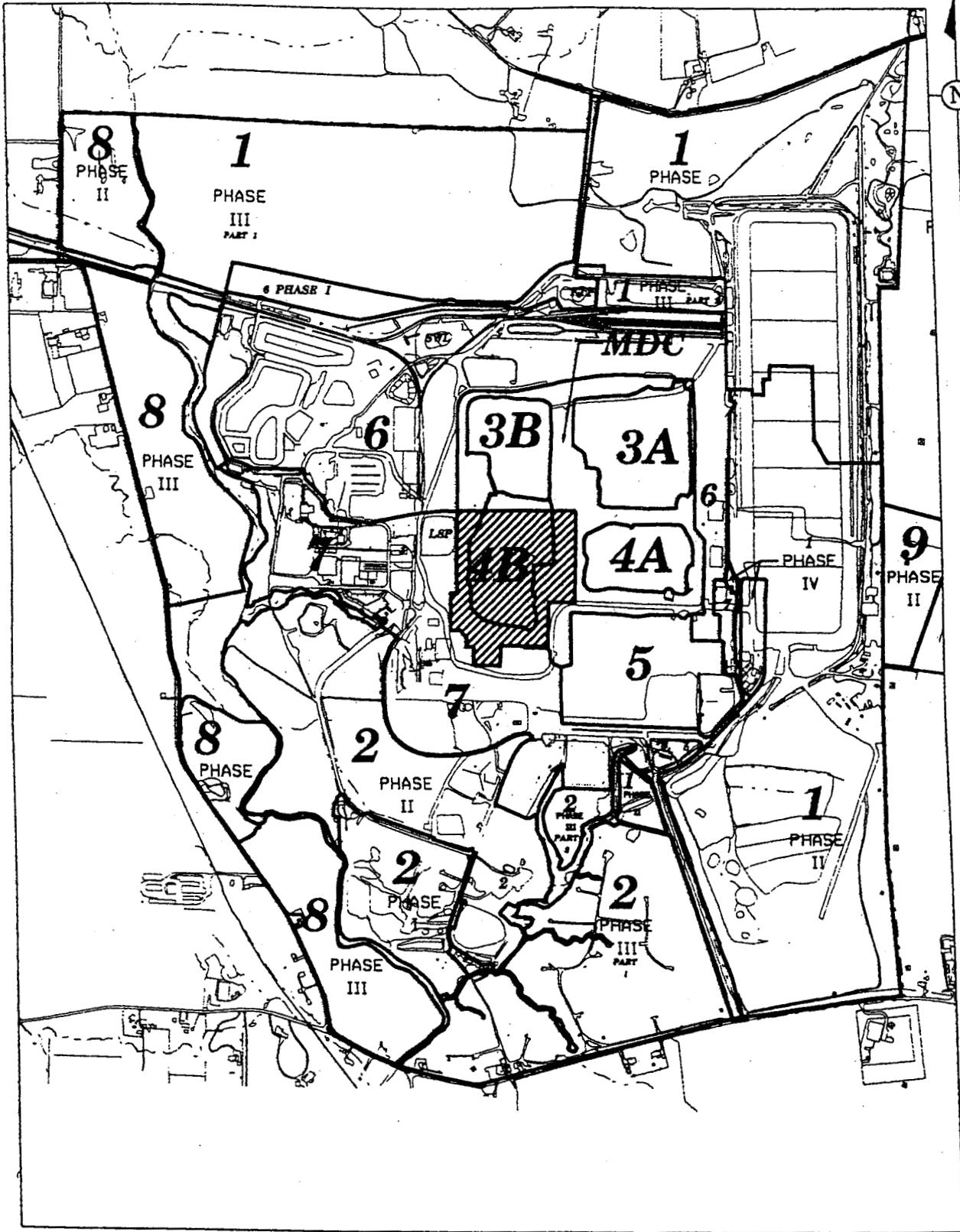
U.S. DEPARTMENT OF ENERGY

**20810-PSP-0012
REVISION 0
FINAL**

VI 202 5111 2000 01 2 2 000

STATE PLANNING COORDINATE SYSTEM 1983

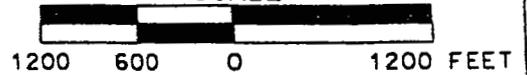
08-SEP-2006



LEGEND:

----- FCP BOUNDARY

SCALE

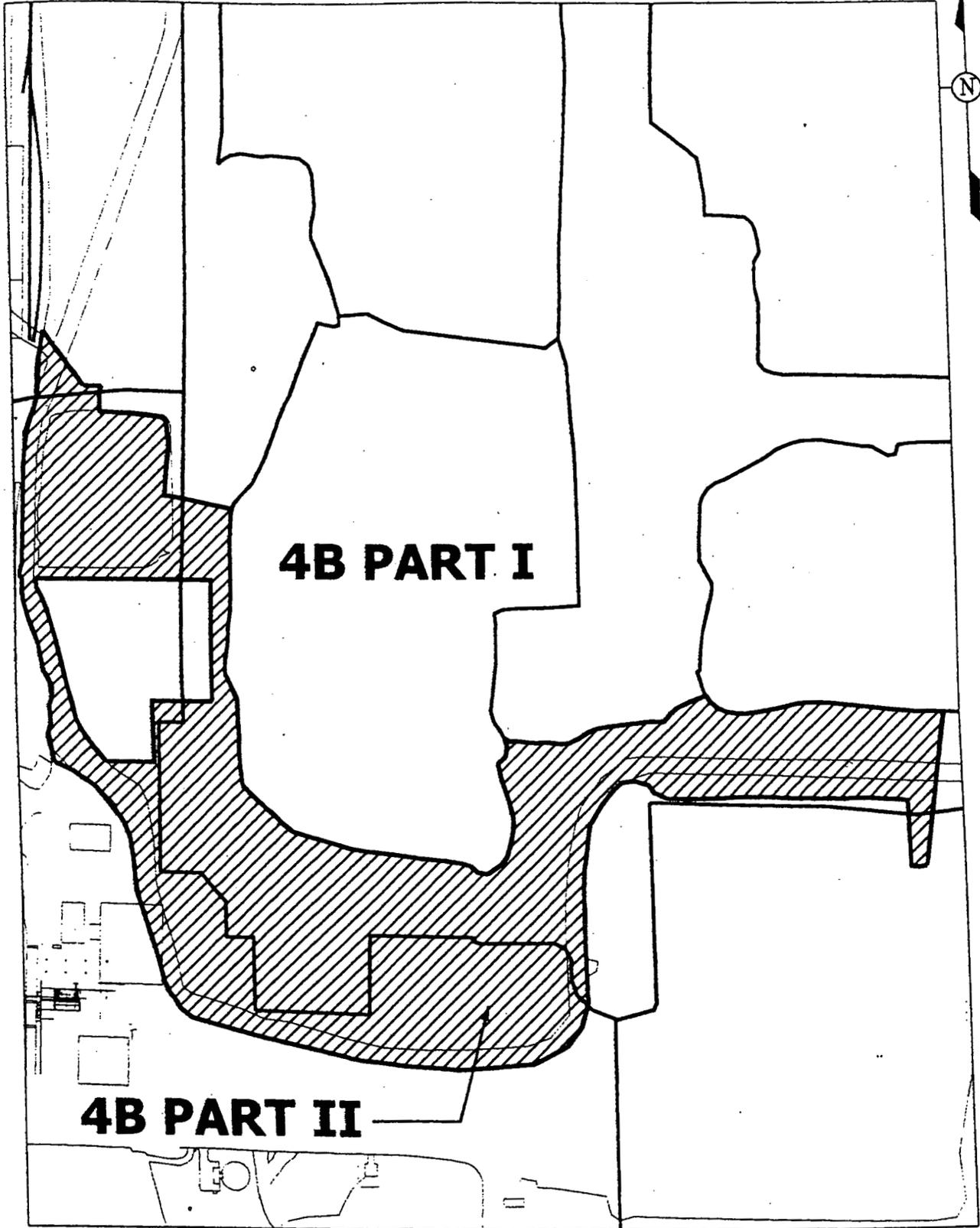


DRAFT

FIGURE 1-1. AREA 4B LOCATION MAP

STATE PLANNING COORDINATE SYSTEM 1983

08-SEP-2006

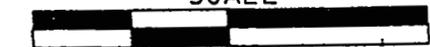


LEGEND:



4B PART II
CERTIFICATION AREA

SCALE



300 150 0 300 FEET

DRAFT

FIGURE 1-2. AREA 4B - PART TWO CERTIFICATION AREA

10.01.10.09.FF04

DA7(3)

DASEF

006238



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGIONS 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

OCT 04 2008

REPLY TO THE ATTENTION OF:

Mr. Johnny W. Reising
United States Department of Energy
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

SR-6J

RE: Area 4B-Part 2 Draft CDL and PSP

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) draft Certification Design Letter (CDL) and Certification Project Specific Plan (PSP) for the Area 4B-Part 2 and main drainage corridor Area - 1st Street. The document describes plans to demonstrate the soil in this area meets the final remediation levels.

Much of the work proposed in the document was completed before its submittal. However, U.S. EPA has enclosed comments on the document that must be addressed. Therefore, U.S. EPA disapproves the draft CDL and PSP for the Area 4B-Part 2 and main drainage corridor Area - 1st Street. U.S. DOE must submit a revised document within thirty (30) days receipt of this letter addressing U.S. EPA's enclosed comments.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "James A. Saric".

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

Enclosure

cc: Tom Schneider, OEPA-SWDO
Con Murphy, Fluor Fernald
Frank Johnston, Fluor Fernald



Department of Energy

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



SEP 20 2006

DOE-0200-06

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

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 THE DRAFT CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN FOR AREA 4B - PART TWO AND
MAIN DRAINAGE CORRIDOR AREA - 1ST STREET**

Enclosed for your review is the draft Certification Design Letter and Certification Project Specific Plan for Area 4B - Part Two and Main Drainage Corridor Area - 1st Street.

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

Sincerely,

Johnny W. Reising
Johnny W. Reising
Director

Enc.: As Stated

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

Mr. James Saric
Mr. Thomas Schneider

-2-

DOE-0200-06

cc w/o enclosure:

R. Abitz, Fluor Fernald, Inc./MS88

J. Chiou, Fluor Fernald, Inc./MS88

F. Johnston, Fluor Fernald, Inc./MS12

C. Murphy, Fluor Fernald, Inc./MS1

T. Terry, Fluor Fernald, Inc./MS1

006238

**CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN FOR
AREA 4B - PART TWO AND MAIN DRAINAGE
CORRIDOR AREA - 1st STREET**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



SEPTEMBER 2006

U.S. DEPARTMENT OF ENERGY

**20810-PSP-0012
REVISION A
DRAFT**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGIONS 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

DA3B
DA6PI
DA7(3)

006238

SEP 13 2008

REPLY TO THE ATTENTION OF:

Mr. Johnny W. Reising
United States Department of Energy
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

SR-6J

RE: Addendum to CDL and Certification
PSP for Area 6 General Area East

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) addendum to the Certification Design Letter (CDL) and certification Project Specific Plan (PSP) for Area 6 general area east. The document describes activities necessary to demonstrate that the soil in the tanker spill area in Area 6 meets the final remediation levels.

The document is technically adequate and is consistent with similar documents. Therefore, U.S. EPA approves the addendum to the CDL and certification PSP for Area 6 general area east.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

cc: Tom Schneider, OEPA-SWDO
Con Murphy, Fluor Fernald
Frank Johnston, Fluor Fernald



State of Ohio Environmental Protection Agency

Rec'd 9-11-06

Southwest District

401 East Fifth Street
Dayton, Ohio 45402-2911TELE: (937)285-6357 FAX: (937)285-6249
www.epa.state.oh.usBob Taft, Governor
Bruce Johnson, Lt. Governor
Joseph P. Kancelik, Director

September 8, 2006

Mr. Johnny Reising
US Department of Energy
Ohio Field Office
Fernald Closure Project
175 Tri County Parkway
Springdale, Ohio 45246**RE: APPROVAL - TRANSMITTAL OF THE ADDENDUM TO THE CDL AND
CERTIFICATION PSP FOR AREA 6 GENERAL AREA EAST**

Mr. Reising:

Ohio EPA has reviewed DOE's "Transmittal Of The Addendum To The Certification Design Letter And Certification Project Specific Plan For Area 6 General Area East (20600-PSP-0018) Rev 0," dated May 2006. Based upon this review Ohio EPA approves this document.

If there are any questions, please contact Donna Bohannon or me at (937) 285-6466.

Sincerely,

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversightcc: Jim Saric U.S. EPA
Michelle Cullerton, Tetra Tech, EMI

Q:\ou5\A6\Area6WP&GenArea\Area6GenAreaEast\AddendumCDL&PSPA6GenEast.Approv.wpd

(also PA3B)

006238



Department of Energy

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



SEP 5 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-0193-06

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 THE ADDENDUM TO THE CERTIFICATION DESIGN LETTER
AND CERTIFICATION PROJECT SPECIFIC PLAN FOR AREA 6 GENERAL AREA
EAST**

- References:
- 1) Certification Design Letter and Certification Project Specific Plan for Area 6 General Area East (Document 20600-PSP-0018, Revision 0) dated May 2006
 - 2) Email, J. Chiou to T. Schneider, "Per your Request - OEPA RTC 7 on Draft Area 6 General Area East Certification Report," dated August 9, 2006
 - 3) Email, T. Schneider to J. Chiou, "Re: Per your Request - OEPA RTC 7 on Draft Area 6 General Area East Certification Report," dated August 10, 2006

This letter and enclosures are being submitted for your review as a draft addendum to the Certification Design Letter (CDL) and Certification Project Specific Plan (PSP) for Area 6 General Area East (Document 20600-PSP-0018). The scope of this addendum is a small strip of land to the south of Soil Stockpile 7 (SP-7), to the north of Area 3B, and included as part of Area 6B and Area 3B Main Drainage Corridor (see Figure 1). This addendum is being submitted as outlined in Ohio Environmental Protection Agency Comment Response 7 emailed on August 9, 2006 and agreed upon by the OEPA on August 10, 2006 (References 2 and 3).

On April 26, 2006, a U.S. Department of Energy owned 5,000-gallon tank trailer overturned during filling operations. Water, sediment and resin beads spilled onto the road and into a ditch line that runs around the north side of Area 3B. The area affected by the spill was cleaned up as required. Once this activity had been completed, there was a necessity to re-certify the affected area. Real-time scanning of the road and the ditch line produced results within acceptable

Mr. James Saric
Mr. Thomas Schneider

-2-

DOE-0193-06

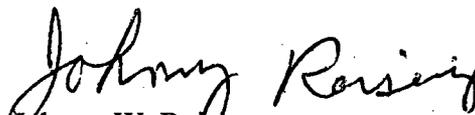
parameters (see Figures 3 through 9) and based on these results, it has been determined that no further remedial actions are required prior to beginning certification activities. The footprint will be restored immediately after the recertification.

As with other certification units (CUs) in Area 6 General Area East, the certification design follows the general approach outlined in Section 3.4 of the Sitewide Excavation Plan. The scope of this addendum consists of one Group 1 CU for the footprint of the area affected by the spill. This CU design is shown in Figure 2. The overall certification design, sampling, analysis, and validation necessary to demonstrate that soil in this area has met the final remediation levels for all area-specific constituents of concern is presented in the CDL and Certification PSP. Specific information for the CU design of the area affected by the spill is contained in this addendum. The sub-CUs and sample locations presented in Figure 2 and Attachment 1 include the area affected by the tanker spill in Area 6 General Area East. The Sampling and Analytical Requirements as well as the Target Analyte List are included in Attachments 2 and 3 respectively. The Target Analyte Lists from both Area 6 General Area East as well as that of SP-7 will be used for this sampling event.

Upon your approval of this addendum, certification sampling will begin. The results of certification activities for this area will be presented in the final Certification Report for Area 6 General Area East.

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

Sincerely,


Johnny W. Reising
Director

Enclosures

cc w/enclosures:

J. Desormeau, 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./MS6

cc w/o enclosures:

J. Chiou, Fluor Fernald, Inc./MS88
F. Johnston, Fluor Fernald, Inc./MS12
C. Murphy, Fluor Fernald, Inc./MS1
T. Terry, Fluor Fernald, Inc./MS1

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

006238

FLUOR

August 31, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0189

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Reising:

**CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE ADDENDUM TO THE
CERTIFICATION DESIGN LETTER AND CERTIFICATION PROJECT SPECIFIC PLAN FOR
AREA 6 GENERAL AREA EAST**

- References:
- 1) Certification Design Letter and Certification Project Specific Plan for Area 6 General Area East (Document 20600-PSP-0018, Revision 0) dated May 2006
 - 2) Email, J. Chiou to T. Schneider, "Per your Request - OEPA RTC 7 on Draft Area 6 General Area East Certification Report," dated August 9, 2006
 - 3) Email, T. Schneider to J. Chiou, "Re: Per your Request - OEPA RTC 7 on Draft Area 6 General Area East Certification Report," dated August 10, 2006

This letter and enclosures are being submitted for your review as a draft addendum to the Certification Design Letter (CDL) and Certification Project Specific Plan (PSP) for Area 6 General Area East (Document 20600-PSP-0018). The scope of this addendum is a small strip of land to the south of Soil Stockpile 7 (SP-7), to the north of Area 3B, and included as part of Area 6B and Area 3B Main Drainage Corridor (see Figure 1). This addendum is being submitted as outlined in Ohio Environmental Protection Agency Comment Response 7 emailed on August 9, 2006 and agreed upon by the OEPA on August 10, 2006 (References 2 and 3).

On April 26, 2006, a U.S. Department of Energy owned 5,000-gallon tank trailer overturned during filling operations. Water, sediment and resin beads spilled onto the road and into a ditch line that runs around the north side of Area 3B. The area affected by the spill was cleaned up as required. Once this activity had been completed, there was a necessity to re-certify the affected area. Real-time scanning of the road and the ditch line produced results within acceptable parameters (see Figures 3 through 9) and based on

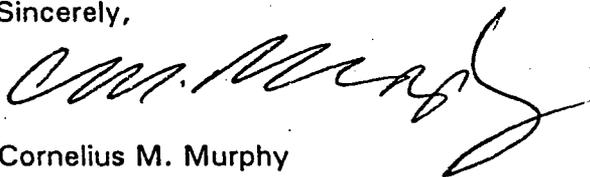
these results, it has been determined that no further remedial actions are required prior to beginning certification activities. The footprint will be restored immediately after the recertification.

As with other certification units (CUs) in Area 6 General Area East, the certification design follows the general approach outlined in Section 3.4 of the Sitewide Excavation Plan. The scope of this addendum consists of one Group 1 CU for the footprint of the area affected by the spill. This CU design is shown in Figure 2. The overall certification design, sampling, analysis, and validation necessary to demonstrate that soil in this area has met the final remediation levels for all area-specific constituents of concern is presented in the CDL and Certification PSP. Specific information for the CU design of the area affected by the spill is contained in this addendum. The sub-CUs and sample locations presented in Figure 2 and Attachment 1 include the area affected by the tanker spill in Area 6 General Area East. The Sampling and Analytical Requirements as well as the Target Analyte List are included in Attachments 2 and 3 respectively. The Target Analyte Lists from both Area 6 General Area East as well as that of SP-7 will be used for this sampling event.

Upon your approval of this addendum, certification sampling will begin. The results of certification activities for this area will be presented in the final Certification Report for Area 6 General Area East.

Upon your concurrence, please forward this addendum to the EPA and OEPA. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at (513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:RJA:jkp
Enclosures

c: With Enclosures

Debbie Brennan, MS88
Tom Buhrlage, MS60-1
Joe Desormeau, DOE-OH/FCP, MS2
Mike Frank, MS88
Reinhard Friske, MS60
Garner Powell, MS60
Tammy Terry, MS1
SDFP Library, MS88
DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20600.2.22 (20600-PSP-0018)

c: Without Enclosures

Richard Abitz, MS88
Pete Bolig, MS60
Jyh-Dong Chiou, MS88
Dennis Dalga, MS3
Ernie DiMuccio, MS1
Frank Johnston, MS12
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Uday Kumthekar, MS88
Donna Metzler, Stoller, MS2
Frank L. Miller, MS60
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1
Anthony Snider, MS88
Christa Walls, MS25
Fred Wilson, MS60
Bill Zebick, MS60



10.01.10, 08. P 104

006238

State of Ohio Environmental Protection Agency

Southwest District

401 East Fifth Street
Dayton, Ohio 45402-2911

TELE: (937)285-6357 FAX: (937)285-6249
www.epa.state.oh.us

Bob Taft, Governor
Bruce Johnson, Lt. Governor
Joseph P. Koncelik, Director

April 24, 2006

Mr. Johnny Reising
US Department of Energy
Ohio Field Office
Fernald Closure Project
175 Tri County Parkway
Springdale, Ohio 45246

RE: APPROVAL - CDL and Certification PSP for A6 General Area East

Mr. Reising:

Ohio EPA has reviewed DOE's "Transmittal of the Draft Certification Design Letter and Certification Project Specific Plan for Area 6 General Area East" submitted March 15, 2006. Based upon this review Ohio EPA approves this document.

If there are any questions, please contact Michelle Waller or me at (937) 285-6466.

Sincerely,

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc: Jim Saric U.S. EPA

006238



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGIONS 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

MAR 04 2006

REPLY TO THE ATTENTION OF:

Mr. Johnny W. Reising
United States Department of Energy
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

SR-6J

RE: Area 6 General Area East CDL and
Certification PSP

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) Certification Design Letter (CDL) and certification Project Specific Plan (PSP) for the Area 6 General Area East. The document describes data collection activities necessary to demonstrate that the soil in Area 6 General Area East meet the final remediation levels.

The document is technically adequate and is consistent with similar documents. Therefore, U.S. EPA approves the CDL and certification PSP for the Area 6 General Area East.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

cc: Tom Schneider, OEPA-SWDO
Con Murphy, Fluor Fernald
Frank Johnston, Fluor Fernald



Department of Energy

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



JUN 1 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-0137-06

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 THE FINAL CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN FOR AREA 6 GENERAL AREA EAST**

- References:
- 1) Letter, J. Saric to J. Reising, "Area 6 General Area East CDL and Certification PSP," dated April 4, 2006
 - 2) Letter, T. Schneider to J. Reising, "Approval - CDL and Certification PSP for A6 General Area East," dated April 24, 2006

Enclosed for your information is the final Certification Design Letter and Certification Project Specific Plan for Area 6 General Area East. This document was finalized to include five non-significant variances, which are located in Appendix E. The draft document was approved by both the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency as noted in the above-listed references.

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, 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./MS6

cc w/o enclosure:

J. Chiou, Fluor Fernald, Inc./MS88
F. Johnston, Fluor Fernald, Inc./MS12
C. Murphy, Fluor Fernald, Inc./MS1



Department of Energy

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



006238

JUN 1 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-0137-06

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 THE FINAL CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN FOR AREA 6 GENERAL AREA EAST**

- References:
- 1) Letter, J. Saric to J. Reising, "Area 6 General Area East CDL and Certification PSP," dated April 4, 2006
 - 2) Letter, T. Schneider to J. Reising, "Approval - CDL and Certification PSP for A6 General Area East," dated April 24, 2006

Enclosed for your information is the final Certification Design Letter and Certification Project Specific Plan for Area 6 General Area East. This document was finalized to include five non-significant variances, which are located in Appendix E. The draft document was approved by both the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency as noted in the above-listed references.

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, 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./MS6

cc w/o enclosure:

J. Chiou, Fluor Fernald, Inc./MS88
F. Johnston, Fluor Fernald, Inc./MS12
C. Murphy, Fluor Fernald, Inc./MS1

**CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN
FOR AREA 6 GENERAL AREA EAST**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



MAY 2006

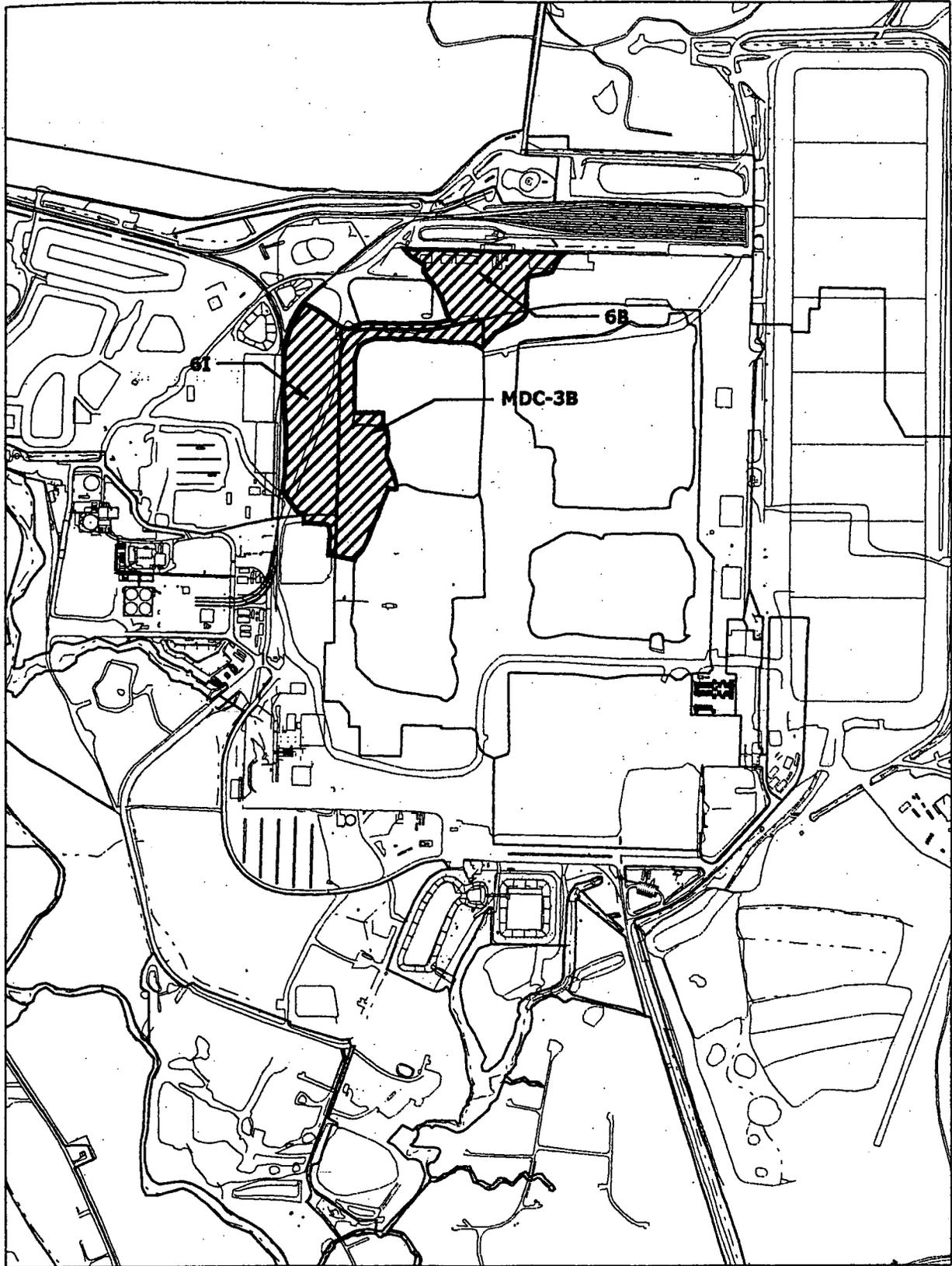
U.S. DEPARTMENT OF ENERGY

**20600-PSP-0018
REVISION 0**

STATE PLANNING BOARD, 04-001, DGP

STATE PLANNING COORDINATE SYSTEM 1983

18-APR-2006



LEGEND:



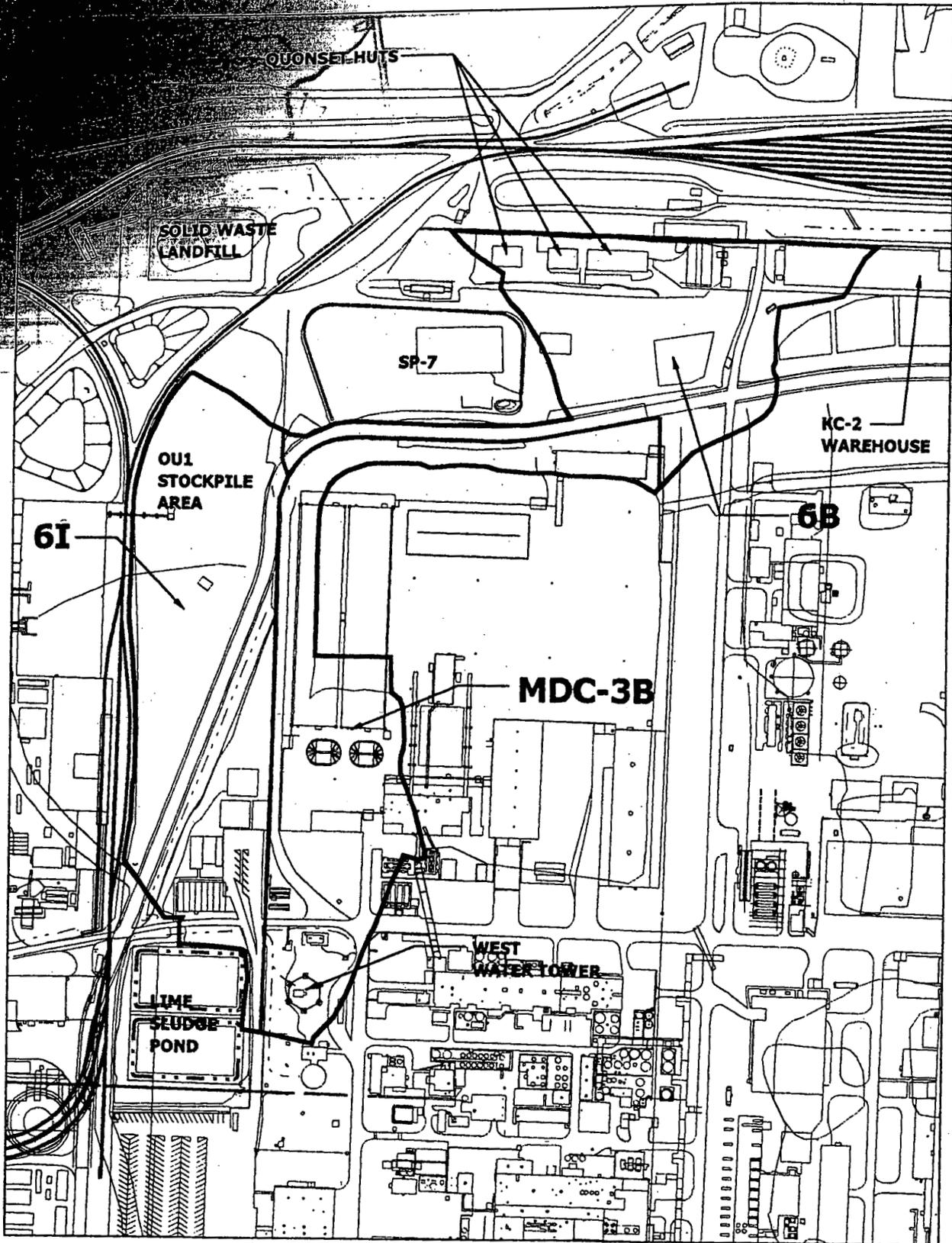
AREA 6 GENERAL
AREA EAST

SCALE



800 400 0 800 FEET

FIGURE 1-1. AREA 6 GENERAL AREA EAST CERTIFICATION AREA LOCATION MAP



STATE PLANNING COORDINATE SYSTEM 1983

18-APR-2005

LEGEND:

SCALE

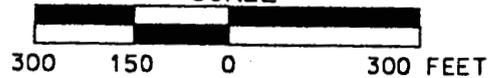


FIGURE 1-2. AREA 6 GENERAL AREA EAST HISTORICAL SURFACE FEATURES



Department of Energy

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

OCT 23 2006

DA6 PI DA7(J)
DA6P II DA7(L)



006238

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-0023-07

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 THE DRAFT CERTIFICATION DESIGN LETTER FOR AREA 6
SITEWIDE RAIL LINE SYSTEM**

Enclosed for your review is the draft Certification Design Letter for Area 6 Sitewide Rail Line System.

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

Sincerely,

Johnny W. Reising
Director

Enclosure: As Stated

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

Mr. James Saric
Mr. Thomas Schneider

-2-

DOE-0023-07

cc w/o enclosure:

R. Abitz, Fluor Fernald, Inc./MS88

J. Chiou, Fluor Fernald, Inc./MS88

F. Johnston, Fluor Fernald, Inc./MS12

C. Murphy, Fluor Fernald, Inc./MS1

T. Terry, Fluor Fernald, Inc./MS1

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

DA6 PI
DA6 PII
DA7(3) DA7(2) 1106138

FLUOR

October 20, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0197

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

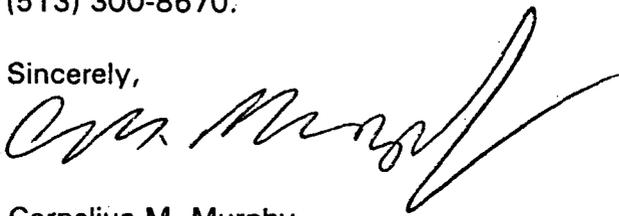
Dear Mr. Reising:

**CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE DRAFT CERTIFICATION
DESIGN LETTER FOR AREA 6 SIDEWIDE RAIL LINE SYSTEM**

Enclosed for your review is the Draft Certification Design Letter for Area 6 Sidewide Rail Line System.

Upon your concurrence, please forward this document to the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at (513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:JDC:RJA:ldt

Enclosure

Mr. Johnny W. Reising, Director

Letter No. C:CPD:2006-0197

Page 2

c: With Enclosure

Denise Arico, MS88

Joe Desormeau, DOE-OH/FCP, MS2

Reinhard Friske, MS90

Frank Johnston, MS12

Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC

Tammy Terry, MS1

SDFP Library, MS88

DOE Records Center

Administrative Record (w/2 Enclosures), MS6

Letter Log Copy, MS1

Project Number 20600.2.22 (20600-PL-0008)

Without Enclosure

Rich Abitz, MS88

Tom Buhrlage, MS60-1

Mike Frank, MS88

Krista Flaugh, MS88

Donna Metzler, Stoller, MS2

Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1

**CERTIFICATION DESIGN LETTER
FOR AREA 6 SITEWIDE RAIL LINE SYSTEM**

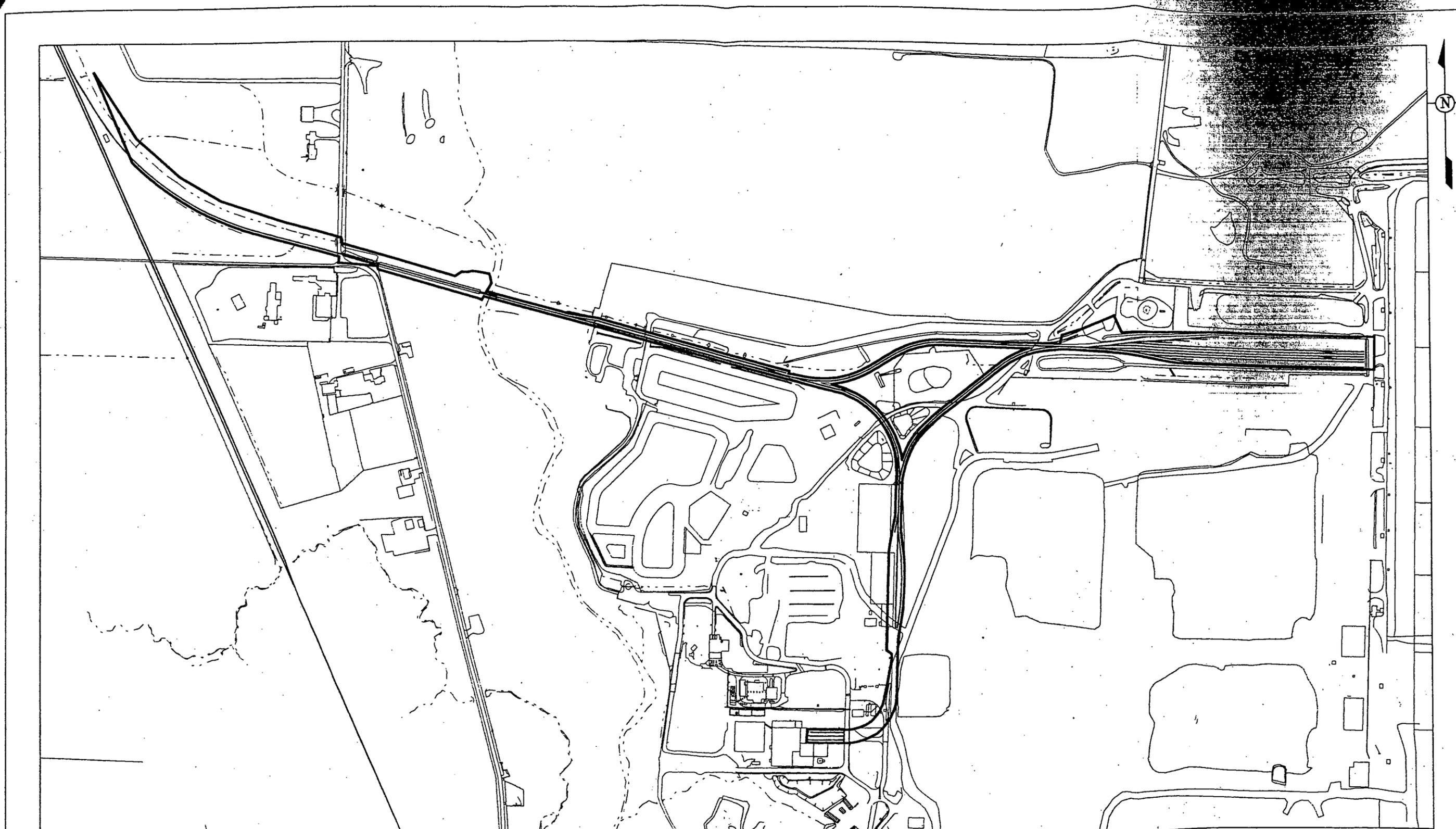
**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



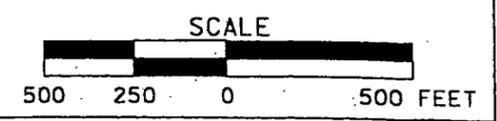
OCTOBER 2006

U.S. DEPARTMENT OF ENERGY

**20600-PL-0008
REVISION A
DRAFT**



LEGEND:





Department of Energy

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

DA7(2) DA7(4)
DA7(3) DA7(1)



006238

OCT 17 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-0014-07

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 THE FINAL CERTIFICATION DESIGN LETTER AND PROJECT
SPECIFIC PLAN FOR AREA 7 MISCELLANEOUS AREAS**

- References:
- 1) Letter, J. Saric to J. Reising, "Area 7 Miscellaneous CDL and PSP," dated October 4, 2006
 - 2) Letter DOE-0007-07, J. Reising to J. Saric/T. Schneider, "Transmittal of Responses to U.S. Environmental Protection Agency Technical Review Comments and Ohio Environmental Protection Agency Comments on the Draft Certification Design Letter and Certification Project Specific Plan for Area 7 Miscellaneous Areas," dated October 11, 2006
 - 3) Letter, T. Schneider to J. Reising, "Approval - Responses to OEPA's Comments on the Draft CDL and Certification PSP for Area 7 Miscellaneous Areas," dated October 13, 2006

Enclosed for your approval is the final Certification Design Letter and Certification Project Specific Plan for Area 7 Miscellaneous Areas. This document has been revised to include the responses to U.S. Environmental Protection Agency technical review comments and approved responses to Ohio Environmental Protection Agency comments as noted in the above-listed references.

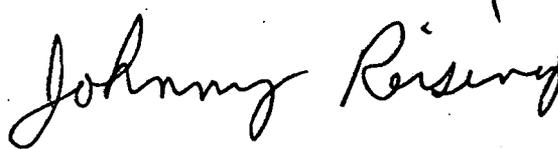
Mr. James Saric
Mr. Thomas Schneider

-2-

DOE-0014-07

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

Sincerely,



Johnny W. Reising
Director

Enclosure: As Stated

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

cc w/o enclosure:

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

006238

FLUOR

October 16, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0225

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Reising:

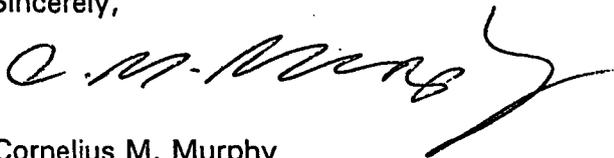
**CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE FINAL CERTIFICATION
DESIGN LETTER AND CERTIFICATION PROJECT SPECIFIC PLAN FOR AREA 7
MISCELLANEOUS AREAS**

- References:
- 1) Letter, J. Saric to J. Reising, "Area 7 Miscellaneous CDL and PSP," dated October 4, 2006
 - 2) Letter DOE-0007-07, J. Reising to J. Saric/T. Schneider, "Transmittal of Responses to U.S. Environmental Protection Agency Technical Review Comments and Ohio Environmental Protection Agency Comments on the Draft Certification Design Letter and Certification Project Specific Plan for Area 7 Miscellaneous Areas," dated October 11, 2006
 - 3) Letter, T. Schneider to J. Reising, "Approval - Responses to OEPA's Comments on the Draft CDL and Certification PSP for Area 7 Miscellaneous Areas," dated October 13, 2006

Enclosed for your approval is the final Certification Design Letter and Certification Project Specific Plan for Area 7 Miscellaneous Areas. This document has been revised to include the responses to U.S. Environmental Protection Agency (EPA) technical review comments and approved responses to Ohio Environmental Protection Agency (OEPA) comments as noted in the above-listed references.

Upon your concurrence, please forward this document to the EPA and OEPA. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at (513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:RJA:jkp
Enclosure

c: With Enclosure

Debbie Brennan, MS88
Tom Buhrlage, MS60-1
Joe Desormeau, DOE-OH/FCP, MS2
Reinhard Friske, MS90
Frank Johnston, MS12
Tammy Terry, MS1
~~SDFP Library, MS88~~
DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20500.2.22 (20500-PSP-0016)

Without Enclosure

Richard Abitz, MS88
Pete Bolig, MS60
Jyh-Dong Chiou, MS88
Dennis Dalga, MS3
Ernie DiMuccio, MS1
Mike Frank, MS88
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Uday Kumthekar, MS88
Donna Metzler, Stoller, MS2
Frank L. Miller, MS60
Garner Powell, MS60
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1
Christa Walls, MS3

**CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN
FOR AREA 7 MISCELLANEOUS AREAS**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



OCTOBER 2006

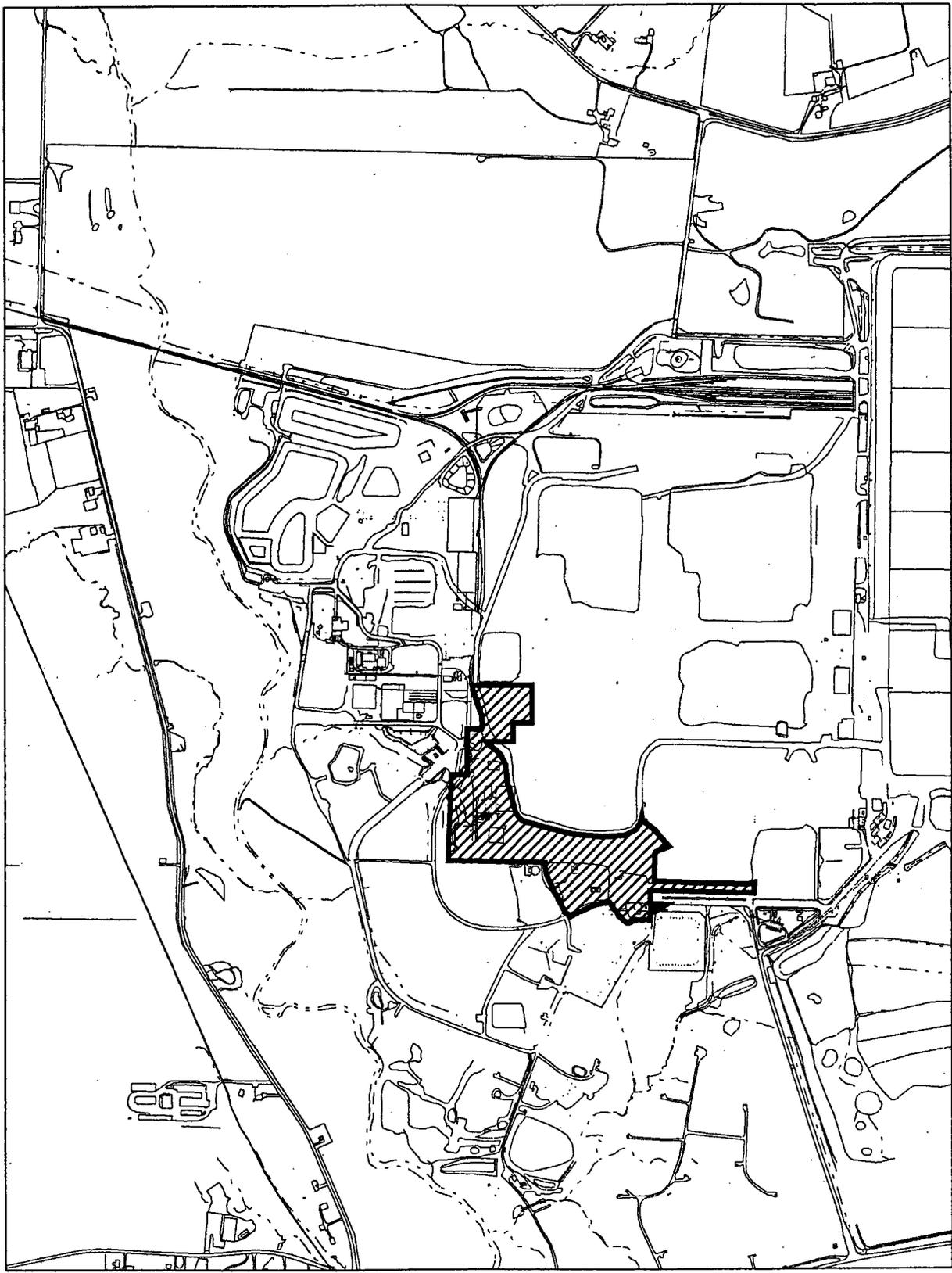
U.S. DEPARTMENT OF ENERGY

**20500-PSP-0016
REVISION 0**

VIETNAM ZONE UNIT MAP, 010, dgm

STATE PLANNING COORDINATE SYSTEM 1983

20-SEP-2006



LEGEND:



A7 MISC. AREA

SCALE

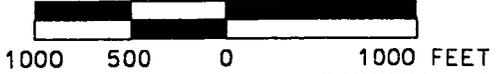
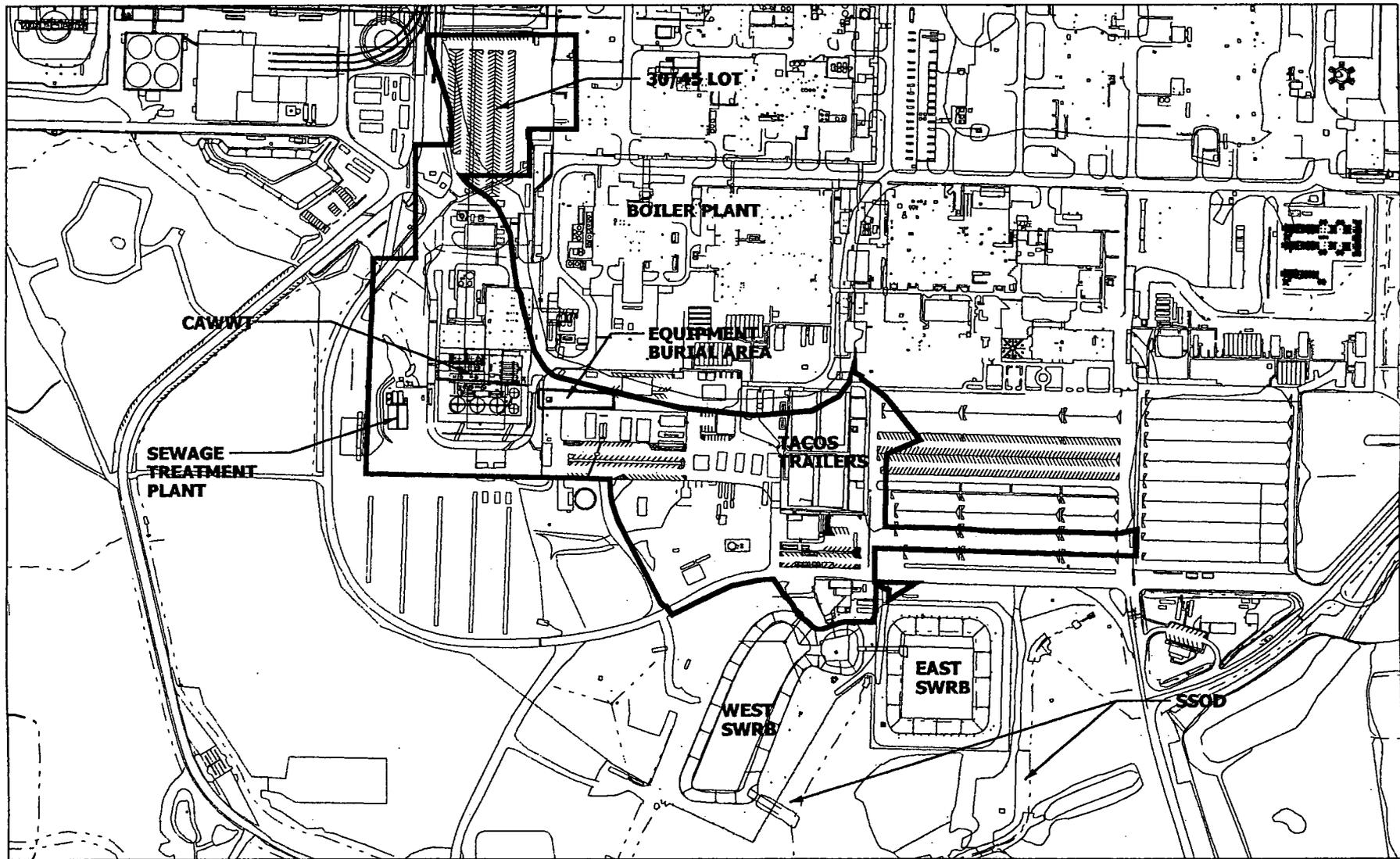


FIGURE 1-1. AREA 7 MISCELLANEOUS AREAS CERTIFICATION AREA LOCATION MAP



LEGEND:

— A7MA BOUNDARY

SCALE

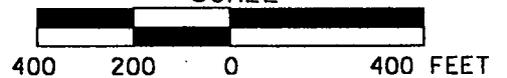


FIGURE 1-2. AREA 7 MISCELLANEOUS AREAS HISTORICAL FEATURES

006238



State of Ohio Environmental Protection Agency

DA 7(12) DA 7(13)
Rec'd 10-19-06
006238

Southwest District

401 East Fifth Street
Dayton, Ohio 45402-2911

TELE: (937)285-6357 FAX: (937)285-6249
www.epa.state.oh.us

Bob Taft, Governor
Bruce Johnson, Lt. Governor
Joseph P. Konecnik, Director

October 13, 2006

Mr. Johnny Reising
U.S. Department of Energy
Ohio Field Office
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

**RE: APPROVAL-RESPONSES TO OEPA'S COMMENTS ON THE DRAFT CDL
AND CERTIFICATION PSP FOR AREA 7 MISCELLANEOUS AREAS**

Mr. Reising:

Ohio EPA has reviewed DOE's "Transmittal of Responses to OEPA's Comments On The Draft Certification Design Letter And Certification Project Specific Plan For Area 7 Miscellaneous Areas (20500-PSP-0016) Rev A," dated October 11, 2006. Ohio EPA approves of the Response to Comments.

If you have any questions, please contact me or Donna Bohannon.

Sincerely,

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc: Jim Saric, U.S. EPA
Michelle Cullerton, Tetra Tech EM Inc.

Q:\ou5A7\RICsCDLPSPA7MiscAreas.approv.wpd

10.01.10.07.
DA7(4)
DA7(3)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGIONS 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

006238

OCT 19 2008

REPLY TO THE ATTENTION OF:

Mr. Johnny W. Reising
United States Department of Energy
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

SR-6J

RE: Area 7 Miscellaneous CDL and PSP
RTC

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) Responses to Comments (RTC) on the draft Certification Design Letter (CDL) and Certification Project Specific Plan (PSP) for the Area 7 miscellaneous areas.

U.S. DOE has adequately addressed U.S. EPA's comments on the document. Therefore, U.S. EPA approves the RTC. U.S. DOE must submit a revised CDL and PSP incorporating the responses.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

cc: Tom Schneider, OEPA-SWDO
Con Murphy, Fluor Fernald
Frank Johnston, Fluor Fernald



Department of Energy

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

OCT 11 2006

DA7(3)+7(4)+DA7(7)



006238

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-0007-07

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 U.S. ENVIRONMENTAL PROTECTION
AGENCY TECHNICAL REVIEW COMMENTS AND OHIO ENVIRONMENTAL
PROTECTION AGENCY COMMENTS ON THE DRAFT CERTIFICATION DESIGN
LETTER AND PROJECT SPECIFIC PLAN FOR AREA 7 MISCELLANEOUS AREAS**

- References:
- 1) Email, D. Bohannon to G. Lupton, "Questions on CDL A7 Misc Areas," dated October 2, 2006
 - 2) Letter, J. Saric to J. Reising, "Area 7 Miscellaneous CDL and PSP," dated October 4, 2006

Enclosed for your approval are responses to U.S. Environmental Protection Agency technical review comments and Ohio Environmental Protection Agency comments on draft Certification Design Letter (CDL) and Certification Project Specific Plan (PSP) for Area 7 Miscellaneous Areas. These comment responses are in answer to the above-listed references and will be incorporated into the final CDL and Certification PSP upon approval.

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

Sincerely,

Johnny W. Reising
Director

Enclosure: As Stated

Mr. James Saric
Mr. Thomas Schneider

-2-

DOE-0007-07

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

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

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

006238

FLUOR

October 6, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0213

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Reising:

**CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF RESPONSES TO
U.S. ENVIRONMENTAL PROTECTION AGENCY TECHNICAL REVIEW COMMENTS ON
DRAFT CERTIFICATION DESIGN LETTER AND PROJECT SPECIFIC PLAN FOR AREA 7
MISCELLANEOUS AREAS**

Enclosed for your review are responses to U.S. Environmental Protection Agency technical review comments on draft Certification Design Letter and Project Specific Plan for Area 7 Miscellaneous Areas.

Upon your concurrence, please forward this document to the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at (513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:JDC:RJA:ldt

Enclosure

c: With Enclosure

Debbie Brennan, MS88
Joe Desormeau, DOE-OH/FCP, MS2
Reinhard Friske, MS90
Frank Johnston, MS12
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Tammy Terry, MS1
SDFP Library, MS88
DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20500.2.22 (20500-PSP-0017)

Without Enclosure

Rich Abitz, MS88
Pete Bolig, MS60
Tom Buhrlage, MS60-1
Jyh-Dong Chiou, MS88
Dennis Dalga, MS3
Ernie DiMuccio, MS1
Mike Frank, MS88
Uday Kumthekar, MS88
Greg Lupton, MS88
Donna Metzler, Stoller, MS2
Jeff Middaugh, MS60
Frank L. Miller, MS60
Garner Powell, MS60
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1
Christa Walls, MS3



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGIONS 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

006238

OCT 04 2008

REPLY TO THE ATTENTION OF:

Mr. Johnny W. Reising
United States Department of Energy
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

SR-6J

RE: Area 7 Miscellaneous CDL and PSP

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) draft Certification Design Letter (CDL) and Certification Project Specific Plan (PSP) for the Area 7 miscellaneous areas. The document describes plans to demonstrate the soil in this area meets the final remediation levels.

Much of the work proposed in the document was completed before its submittal. However, U.S. EPA has enclosed comments on the document that must be addressed. Therefore, U.S. EPA disapproves the draft CDL and PSP for the Area 7 miscellaneous areas. U.S. DOE must submit a revised document within thirty (30) days receipt of this letter addressing U.S. EPA's enclosed comments.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

Enclosure

cc: Tom Schneider, OEPA-SWDO
Con Murphy, Fluor Fernald
Frank Johnston, Fluor Fernald

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

006238

FLUOR

September 22, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0169

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Reising:

**CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE DRAFT CERTIFICATION
DESIGN LETTER AND CERTIFICATION PROJECT SPECIFIC PLAN FOR AREA 7
MISCELLANEOUS AREAS**

Enclosed for your review is the draft Certification Design Letter and Certification Project Specific Plan for Area 7 Miscellaneous Areas. This area consists of the Building 30/45 Parking Lot, the area surrounding the Converted Advanced Wastewater Treatment Facility, the former Sewage Treatment Plan footprint and surrounding area, the former TACOS Office Trailer Complex, and the Silos Water Treatment Facility Area and adjacent road.

Upon your concurrence, please forward this document to the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Rich Abitz at (513) 300-8670.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:RJA:jkp
Enclosure

Mr. Johnny W. Reising, Director

Letter No. C:CPD:2006-0169

Page 2

c: With Enclosure

Debbie Brennan, MS88
Tom Buhrlage, MS60-1
Joe Desormeau, DOE-OH/FCP, MS2
Reinhard Friske, MS90
Frank Johnston, MS12
Tammy Terry, MS1
SDFP Library, MS88
DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20500.2.22 (20500-PSP-0016)

Without Enclosure

Richard Abitz, MS88
Pete Bolig, MS60
Jyh-Dong Chiou, MS88
Dennis Dalga, MS3
Ernie DiMuccio, MS1
Mike Frank, MS88
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Uday Kumthekar, MS88
Donna Metzler, Stoller, MS2
Frank L. Miller, MS60
Garner Powell, MS60
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1
Christa Walls, MS3
Fred Wilson, MS60
Bill Zebick, MS60

**Department of Energy**

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



SEP 26 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-0206-06

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 THE DRAFT CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN FOR AREA 7 MISCELLANEOUS
AREAS**

Enclosed for your review is the draft Certification Design Letter and Certification Project Specific Plan for Area 7 Miscellaneous Areas. This area consists of the Building 30/45 Parking Lot, the area surrounding the Converted Advanced Wastewater Treatment Facility, the former Sewage Treatment Plan footprint and surrounding area, the former TACOS Office Trailer Complex, and the Silos Water Treatment Facility Area and adjacent road.

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

Sincerely,

Johnny W. Reising
Director

Enclosure

Mr. James Saric
Mr. Thomas Schneider

-2-

DOE-0206-06

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

cc w/o enclosure:

R. Abitz, Fluor Fernald, Inc./MS88
J. Chiou, Fluor Fernald, Inc./MS88
F. Johnston, Fluor Fernald, Inc./MS12
C. Murphy, Fluor Fernald, Inc./MS1
T. Terry, Fluor Fernald, Inc./MS1

**CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN
FOR AREA 7 MISCELLANEOUS AREAS**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



SEPTEMBER 2006

U.S. DEPARTMENT OF ENERGY

**20500-PSP-0016
REVISION A
DRAFT**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD FERNALD

CHICAGO, IL 60604-3590

3B,4B 006238

DA3B
DA4B PI
DA7(3)

OG D-00918

2003 MAY -2 A 10:12

DA5 PI, PII
DA7(1)

6446.6 CTB DA1 EDL

REPLY TO THE ATTENTION OF:

MAY 01 2003

SRF-5J

Mr. Johnny W. Reising
United States Department of Energy
Feed Materials Production Center
P.O. Box 398705
Cincinnati, Ohio 45239-8705

RE: Revised Area 3B/4B/5 IRDP

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has reviewed the United States Department of Energy's (U.S. DOE) Responses to Comments (RTC) and revised Integrated Remedial Design Package (IRDP) for Area 3B/4B/5.

Extensive sampling has been conducted since U.S. EPA's November 26, 2002, disapproval of the document, subsequent meetings have been held between U.S. DOE and U.S. EPA regarding Area 3B/4B/5 IRDP, and significant progress has been made in characterization.

U.S. DOE has adequately addressed U.S. EPA's previous comments and incorporated them into the document. Therefore, U.S. EPA approves the Area 3B/4B/5 IRDP.

If you have any questions regarding this matter, please contact me at (312) 886-0992.

Sincerely,

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

cc: Tom Schneider, OEPA-SWDO
Sally Robison, U.S. DOE-HDQ
Jamie Jameson, Fluor Fernald
Terry Hagen, Fluor Fernald
Tim Poff, Fluor Fernald



State of Ohio Environmental Protection Agency

Southwest District Office

006238

401 East Fifth Street
Dayton, Ohio 45402-2911

TELE: (937) 285-8357 F.

P. 1 of 1

Post-it [®] Fax Note	7671	Date	# of pages
To	J. D. Chion	From	Ohio EPA
Co./Dept.		Co	
Phone #		Phone #	
Fax #	X5131	Fax #	

August 27, 2003

Mr. Johnny Reising
U.S. Department of Energy, Fernald Area Office
P.O. Box 538705
Cincinnati, OH 45253-8705

RE: APPROVAL- 3B/4B/5 IRDP RTC and Page Change

Dear Mr. Reising:

Ohio EPA has reviewed DOE's July 15, 2003 submittal on the "Responses to the Additional Ohio Environmental Protection Agency Comments on the Revised Integrated Remedial Design Package for Area 3B/4B/5.". Based upon this review, Ohio EPA approves the document with the inclusion of the "Page Change to Responses to Additional Ohio Environmental Protection Agency Comments on Revised Integrated Remedial Design Package for Area 3B/4B/5" submitted on August 15, 2003.

Should you have any questions, please contact Michelle Waller or me.

Sincerely,

Michelle Waller
for

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc: Jim Saric, U.S. EPA
Terry Hagen, Fluor Fernald
Mark Shupe, GeoTrans, Inc.
Michelle Cullerton, Tetra Tech EM Inc.
Ruth Vandergrift, ODH



Department of Energy

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



006238

FEB 12 2004

Mr. James A. Saric, Remedial Project Manager
United States Environmental Protection Agency
Region V, SR-6J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0154-04

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

FINAL

**TRANSMITTAL OF RESPONSES TO COMMENTS AND THE REVISED INTEGRATED
REMEDIAL DESIGN PACKAGE FOR AREA 3B/4B/5**

- References:
1. Letter, DOE-0308-03, J. Reising to J. Saric and T. Schneider, "Transmittal of Responses to Comments and the Revised Integrated Remedial Design Package for Area 3B/4B/5," dated March 31, 2003
 2. Letter, J. Saric to J. Reising, "Revised Area 3B/4B/5 IRDP," dated May 1, 2003
 3. Letter, T. Schneider to J. Reising, "Implementation for Area 3B/4B/5," dated June 4, 2003
 4. Letter, DOE-0432-03, J. Reising to T. Schneider, "Transmittal of Responses to the Additional Ohio Environmental Protection Agency Comments on the Revised Integrated Remedial Design package for Area 3B/4B/5," dated July 14, 2003
 5. Letter, DOE-0468-03, J. Reising to T. Schneider, "Transmittal of the Page Change to Responses to Additional Ohio Environmental Protection Agency Comments on the Revised Integrated Remedial Design Package for Area 3B/4B/5," dated August 14, 2003
 6. Letter, T. Schneider to J. Reising, "Approval - 3B/4B/5 IRDP RTC and Page Change," dated August 27, 2003

FEB 12 2004

Mr. James A. Saric
Mr. Tom Schneider

-2-

DOE-0154-04

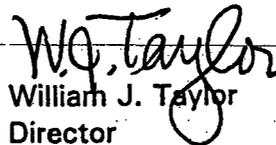
Enclosed is the Final Integrated Remedial Design Package (IRDP) for Area 3B/4B/5, which received both the United States Environmental Protection Agency (USEPA) approval (Reference 2) and Ohio Environmental Protection Agency (OEPA) conditional approval (Reference 6).

The IRDP consists of the following:

Implementation Plan for Area 3B/4B/5
Technical Specifications
Construction Drawings
Reference Drawings and Specifications

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

Sincerely,


William J. Taylor
Director

FCP:Reising

Enclosures: As Stated

Mr. James A. Saric
Mr. Tom Schneider

-3-

DOE-0154-04

cc w/enclosures:

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

cc w/o enclosures:

K. Johnson, OH/FCP
J. Chiou, Fluor Fernald, Inc./MS64
T. Hagen, Fluor Fernald, Inc./MS1
W. Hooper, Fluor Fernald, Inc./MS64
U. Kumthekar, Fluor Fernald, Inc./MS64
D. Powell, Fluor Fernald, Inc./MS64
T. Snider, Fluor Fernald, Inc./MS64
W. Zebick, Fluor Fernald, Inc./MS64
ECDC, Fluor Fernald, Inc./MS52-7

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

006238

(513) 648-3000

FLUOR

February 10, 2004

Fernald Closure Project
Letter No. C:DSDP:2004-0021

Mr. Johnny W. Reising, Associate Director
Department of Energy
Fernald Closure Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705

Dear Mr. Reising:

**CONTRACT DE-AC24-010H20115, TRANSMITTAL OF THE FINAL INTEGRATED
REMEDIAL DESIGN PACKAGE FOR AREA 3B/4B/5**

- References:
- 1) Letter, DOE-0308-03, J. Reising to J. Saric and T. Schneider, "Transmittal of Responses to Comments and the Revised Integrated Remedial Design Package for Area 3B/4B/5," dated March 31, 2003
 - 2) Letter, J. Saric to J. Reising, "Revised Area 3B/4B/5 IRDP," dated May 1, 2003
 - 3) Letter, T. Schneider to J. Reising, "Implementation for Area 3B/4B/5," dated June 4, 2003
 - 4) Letter, DOE-0432-03, J. Reising to T. Schneider, "Transmittal of Responses to the Additional Ohio Environmental Protection Agency Comments on the Revised Integrated Remedial Design package for Area 3B/4B/5," dated July 14, 2003
 - 5) Letter, DOE-0468-03, J. Reising to T. Schneider, "Transmittal of the Page Change to Responses to Additional Ohio Environmental Protection Agency Comments on the Revised Integrated Remedial Design Package for Area 3B/4B/5," dated August 14, 2003
 - 6) Letter, T. Schneider to J. Reising, "Approval - 3B/4B/5 IRDP RTC and Page Change," dated August 27, 2003

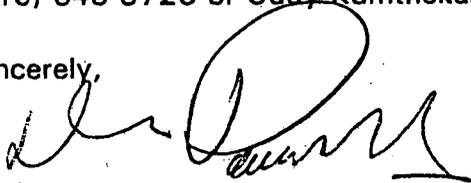
Enclosed is the Final Integrated Remedial Design Package (IRDP) for Area 3B/4B/5 which received both U.S. Environmental Protection Agency (EPA) approval (Reference 2) and Ohio Environmental Protection Agency (OEPA) conditional approval (Reference 6).

The IRDP consists of the following:

- Implementation Plan for Area 3B/4B/5
- Technical Specifications
- Construction Drawings
- Reference Drawings and Specifications

Upon your concurrence, please forward this package to the EPA and OEPA. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 648-3726 or Uday Kumthekar at (513) 648-4640.

Sincerely,



M.D. Powell, Project Director
Demolition, Soil and Disposal Project

MDP:UAK:mcm
Enclosures

c: With Enclosures

Betsy A. Brucken, MS41 (IRDP only)
Kevin S. Harbin, MS60
Uday A. Kumthekar, MS64
Frank L. Miller, MS64
Donald A. Pfister, DOE-FCP, MS45
Johnny Reising, DOE-FCP, MS45
David R. Russell, MS64
Anthony C. Snider, MS64
Fred N. Wilson, MS60
W. Eric Woods, MS65-2 (Drawings Only)
William Zebick, MS60
AR Coordinator, MS78
T-82 File Station, MS64
SDFP Library, MS64
Project Number 20810.2.22 (20810-PL-0004/20810-IRDP), ECDC, MS52-7

c: Without Enclosures

Richard J. Abitz, MS64
Nina Akgunduz, DOE-FCP, MS45
Linda L. Barlow, MS41
Terry Binau, DOE Contracting Officer DOE-OH, MS45
Jyh-Dong Chiou, MS64
Frank L. Flack, MS60
Reinhard Friske, MS64
Terry D. Hagen, MS1
Ralph Holland, DOE Contracting Officer, MS45
D. Warren Hooper, MS64
Dennis J. Johnson, MS60
Gregg K. Johnson, MS60
Susan K. Lorenz, MS41
Chris Neumann, MS64
Timothy E. Poff, MS65-2
M.D. Powell, MS64
Martin J. Prochaska, MS60
Adam Rector, Fluor Fernald Inc. Prime Contract, MS44-0-S
Richard G. Stengel, MS60
Charles C. Van Arsdale, MS64
William J. Taylor, DOE-FCP, MS45
Rodney E. Whitaker, MS60
DSDP Letterlog, MS64

**IMPLEMENTATION PLAN
FOR AREA 3B/4B/5**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



FEBRUARY 2004

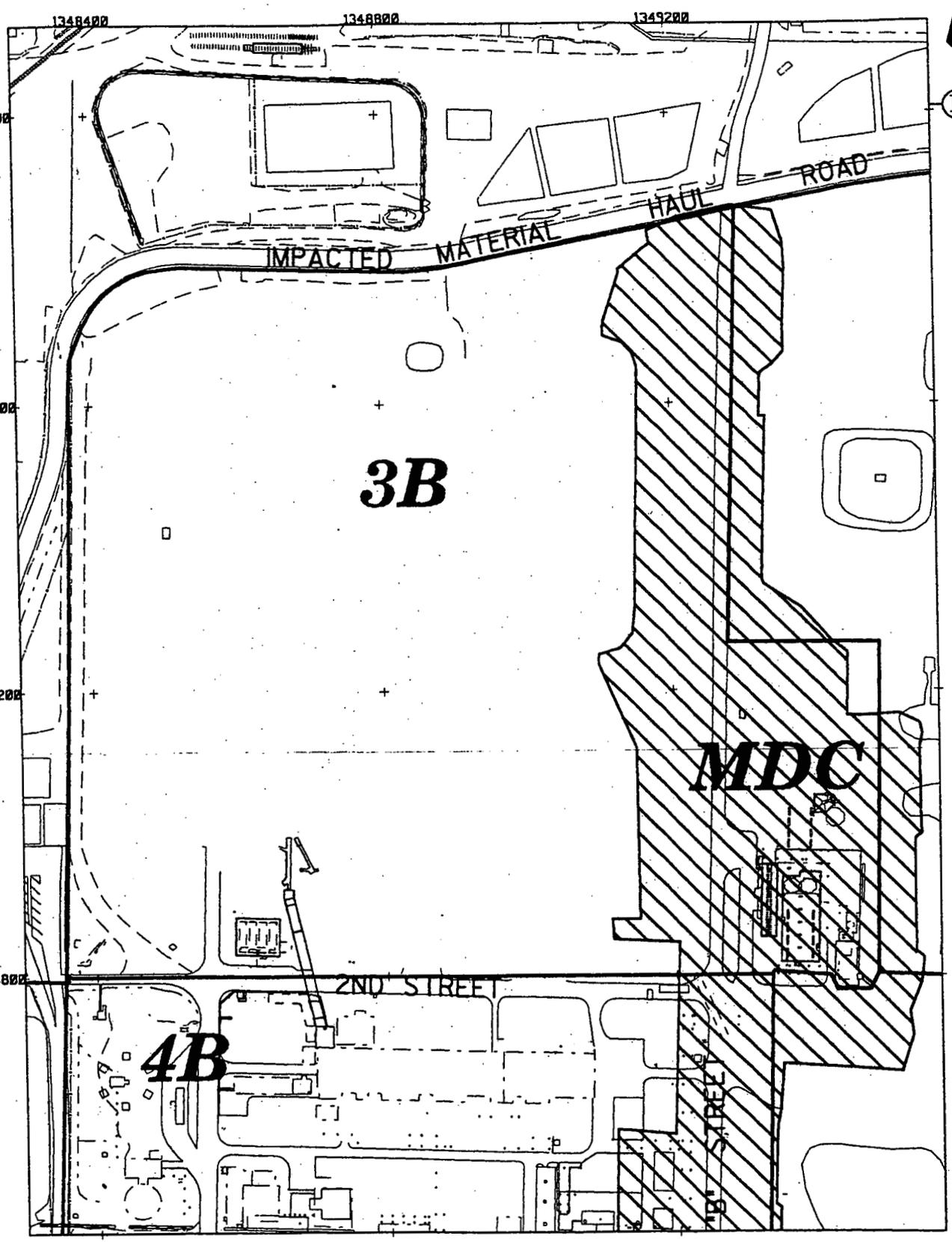
U.S. DEPARTMENT OF ENERGY

**20810-PL-0004
REVISION 0
FINAL**

vi: 27mi 2wdgrndb_dpw3b_base.dgn

STATE PLANAR COORDINATE SYSTEM 1983

23-JAN-2004



LEGEND:

— CU BOUNDARIES

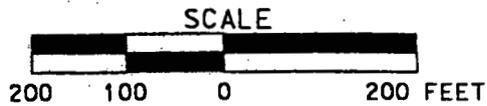
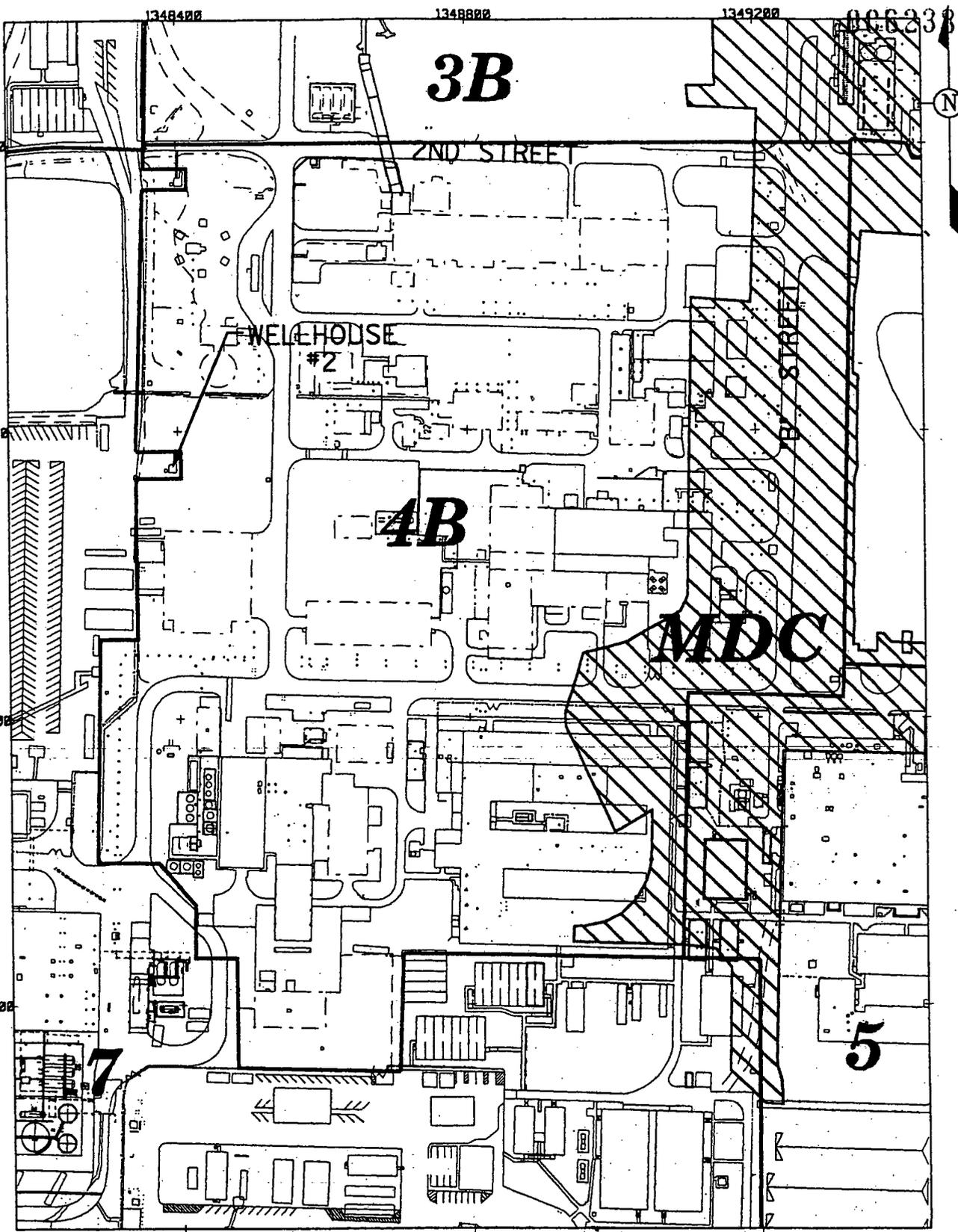


FIGURE 1-2. AREA 3B

V:\98\fm\2ack\mcb-4\mcb4-dose.dgn

STATE PLANNER COORDINATE SYSTEM 1983

23-JAN-2004



LEGEND:

— CU BOUNDARIES

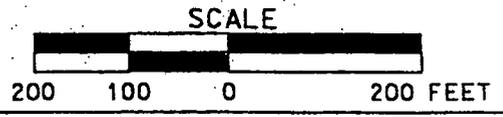
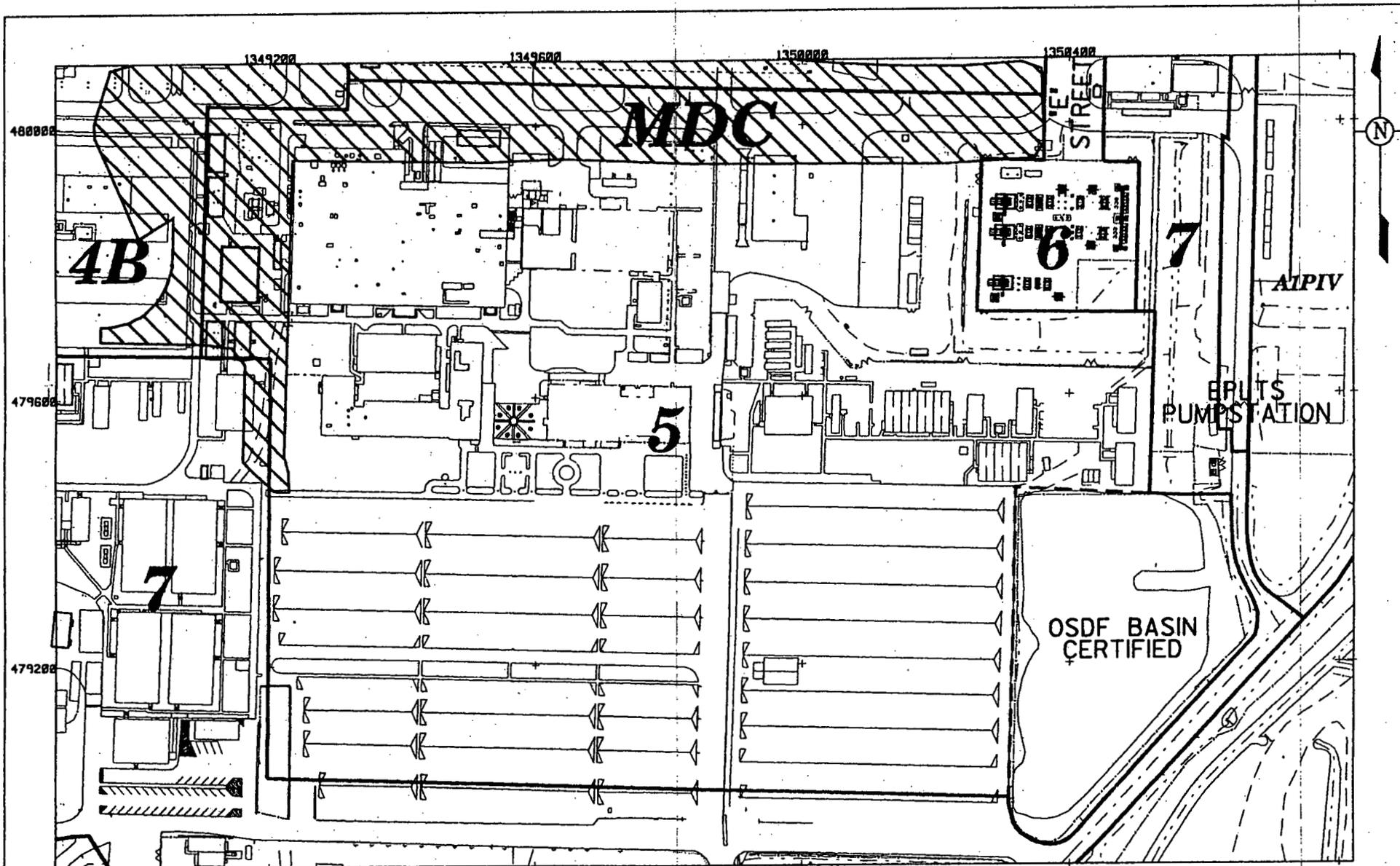


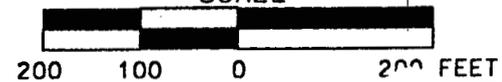
FIGURE 1-3. AREA 4B

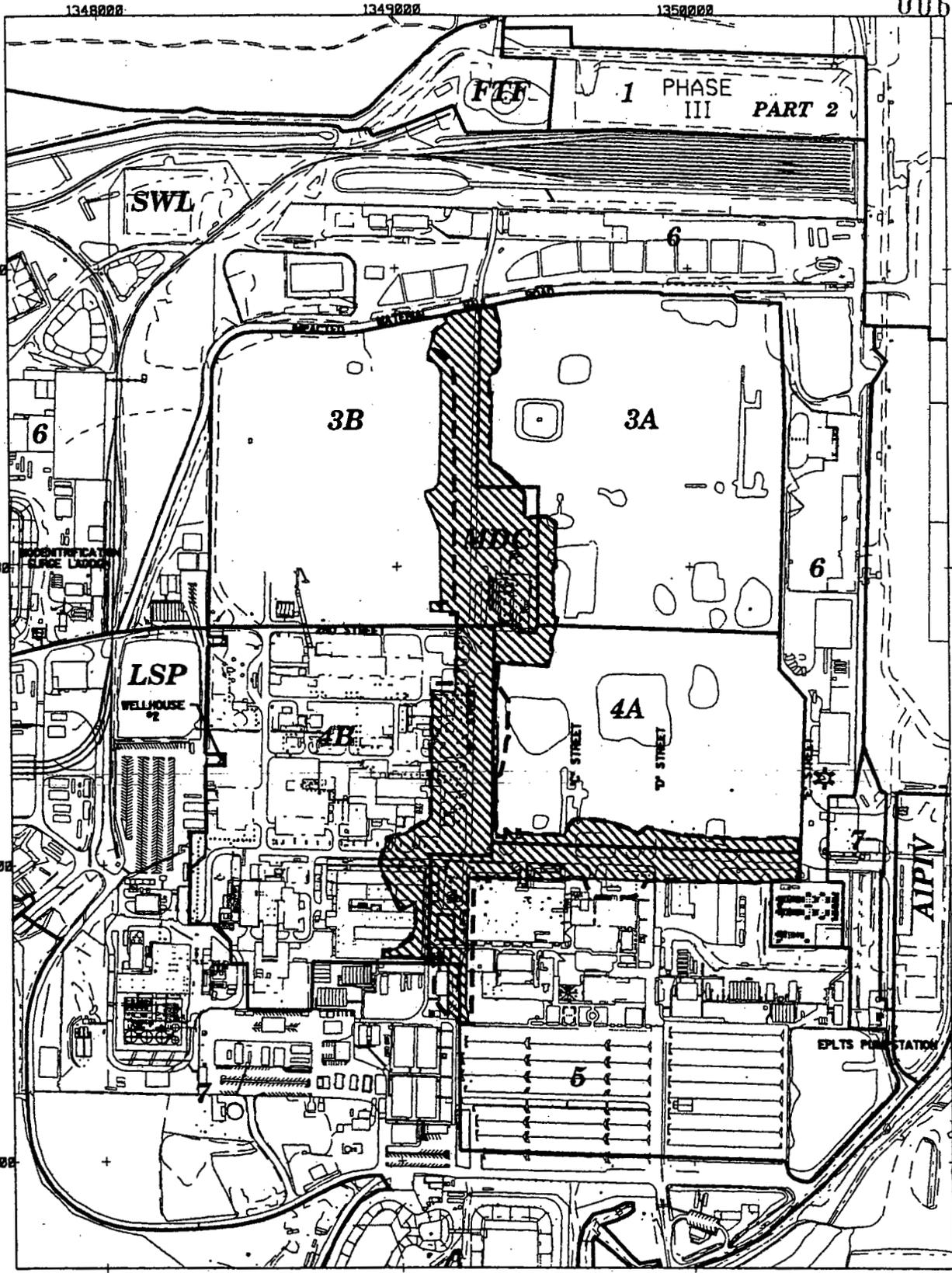


LEGEND:

— CU BOUNDARIES

SCALE





via s2 fm1 2 edge m3b - 4b endo - base - dgn

STATE PLANNING COORDINATE SYSTEM, 1983

23-JAN-2004

LEGEND:

— CU BOUNDARIES

SCALE

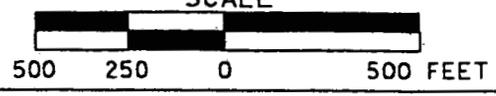


FIGURE 1-5. MAIN DRAINAGE CORRIDORS



State of Ohio Environmental Protection Agency

VA 111
DA 7(1) DA 7(5)
DA 7(3) DA 7(7)
DA 7(6) DASPI
DA 7(4) DAIPV

Southwest District

TELE: (937)285-6357 FAX: (937)285-6249

www.epa.state.oh.us

East Fifth Street
Canton, Ohio 45402-2911

Bob Taft, Governor
Bruce Johnson, Lt. Governor
Joseph P. Koncelik, Director

November 7, 2005

Mr. Johnny Reising
U.S. Department of Energy
Ohio Field Office
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

006238

**RE: APPROVAL- EXCAVATION PLAN FOR AREA 7 SILOS AND GENERAL AREA
and REVISED PSP FOR EXCAVATION CONTROL AND PRECERTIFICATION
OF AREA 7 SILOS AND GENERAL AREA**

Mr. Reising:

Ohio EPA has reviewed DOE's "Transmittal of the Final Excavation Plan for Area 7 Silos and General Area and the Revised Project Specific Plan for the Excavation Control and Precertification of Area 7 Silos and General Area (Supplement to 20300-PSP-0011)" dated October 12, 2005. Ohio EPA approves these documents.

If you have any questions, please contact me or Michelle Waller.

Sincerely,

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc: Jim Saric, U.S. EPA
Michelle Cullerton, Tetra Tech EM Inc.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

006238

ERNA LD
OG F-00779

2005 AUG 22 P 3:00

AUG 17 2005

REPLY TO THE ATTENTION OF: 6446-C

Mr. Johnny W. Reising
United States Department of Energy
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246

SR-6J

RE: A7 Excavation Plan

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) Area 7 Silos and general area excavation plan. This plan describes the remediation of debris and impacted soil in Area 7.

The document is missing information regarding post excavation activities and other specifications. U.S. EPA has enclosed comments on the document. Therefore U.S. EPA disapproves the Area 7 excavation plan. U.S. DOE must submit a revised document and responses to comments within thirty (30) days receipt of this letter.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

Enclosure

cc: Tom Schneider, OEPA-SWDO
Con Murphy, Fluor Fernald
Frank Johnston, Fluor Fernald

bcc w/enclosure:

Michelle Cullerton, Tetra Tech
Gene Jablonowski, SR-6J

bcc w/o enclosure:

Brian Barwick, ORC

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

(513) 648-3000

FLUOR

October 5, 2005

Fernald Closure Project
Letter No. C:PROJ:2005-0124

Mr. Johnny W. Reising, Associate Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Reising:

CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE FINAL EXCAVATION PLAN FOR AREA 7 SILOS AND GENERAL AREA AND THE REVISED PROJECT SPECIFIC PLAN FOR THE EXCAVATION CONTROL AND PRECERTIFICATION OF AREA 7 SILOS AND GENERAL AREA (SUPPLEMENT TO 20300-PSP-0011)

- References:
- 1) DOE-0300-05, W. Taylor to J. Saric/T. Schneider, "Transmittal of Responses to Ohio Environmental Protection Agency Comments on the Draft Excavation Plan for Area Silos and General Area and Draft Project Specific Plan for Excavation Control and Precertification of Area 7 Silos and General Area," dated August 17, 2005
 - 2) Letter, J. Saric to J. Reising, "Area 7 Excavation Plan," dated August 17, 2005
 - 3) Letter, J. Saric to J. Reising, "Area 7 Excavation Control PSP," dated August 17, 2005
 - 4) DOE-0310-05, W. Taylor to J. Saric/T. Schneider, "Transmittal of Responses to U.S. Environmental Protection Agency Comments on the Draft Excavation Plan for Area Silos and General Area and Draft Project Specific Plan for Excavation Control and Precertification of Area 7 Silos and General Area," dated August 24, 2005
 - 5) DOE-0313-05, W. Taylor to J. Saric/T. Schneider, "Transmittal of Revised Responses to Ohio Environmental Protection Agency Comments on the Draft Excavation Plan for Area Silos and General Area," dated August 30, 2005
 - 6) Letter, T. Schneider to W. Taylor, "RTC - Excavation Control and Precertification of the Area 7 Silos and General Area," dated August 31, 2005
 - 7) Letter, T. Schneider to W. Taylor, "RTC - Excavation Plan for Area 7 Silos and General Area," dated August 31, 2005

Mr. Johnny W. Reising, Associate Director
Letter No. C:PROJ:2005-0124
Page 2

Enclosed for your approval are the final Excavation Plan for Area 7 Silos and General Area and the revised Project Specific Plan (PSP) for the Excavation Control and Precertification of Area 7 Silos and General Area (Supplement to 20300-PSP-0011). These documents have been revised to include the approved Ohio Environmental Protection Agency (OEPA) comment responses as noted in References 6 and 7. The U.S. Environmental Protection Agency (EPA) comment responses were also incorporated into these documents in relation to References 2 and 4.

Upon your concurrence, please forward these documents to the EPA and OEPA. If you have any questions or require additional information, please contact me at (513) 738-2834, Uday Kumthekar at (513) 484-2260, or Frank Miller at (513) 484-2324.

Sincerely,



Jyh-Dong Chiou
Project Manager
Environmental Closure Project

JDC:UAK:FLM:jkp
Enclosures

c: With Enclosures

Denise Arico, MS88
Linda Barlow, MS88
Tom Buhrlage, MS60-1
Mike Frank, MS53
Reinhard Friske, MS52-3
Marc Jewett, MS1
Gregg Johnson, MS60
Donald Pfister, DOE-OH/FCP
Anthony Snider, MS88
Fred Wilson, MS64
William Zebick, MS60
DSDP Library, MS88
DOE Records Center
Letter Log Copy, MS1
Project Number 20500.2.22 (20500-PL-0002/20500-PSP-0009)
Administrative Record, MS78

c: Without Enclosures

Richard Abitz, MS88

Pete Bolig, MS64

Tom Carr, MS64

Jyh-Dong Chiou, MS88

Mike Connors, MS64

F. Grant Hale, MS64

Ralph E. Holland, DOE Contracting Officer, DOE/EMCBC

Frank Johnston, MS12

Shelby Kawa, DOE/EMCBC

Uday Kumthekar, MS88

Frank L. Miller, MS88

Con Murphy, MS1

Dennis Nixon, MS1

Scott Osborn, MS52-3

M. D. Powell, MS64

Dave Russell, MS88

Dennis Sizemore, Fluor Fernald Inc. Prime Contract, MS1

Mike Stumbo, MS60

William J. Taylor, DOE-OH/FCP

**Department of Energy**

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



OCT 10 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-0001-06

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 THE FINAL EXCAVATION PLAN FOR AREA 7 SILOS AND
GENERAL AREA AND THE REVISED PROJECT SPECIFIC PLAN FOR THE
EXCAVATION CONTROL AND PRECERTIFICATION OF AREA 7 SILOS AND
GENERAL AREA (SUPPLEMENT TO 20300-PSP-0011)**

- References:
- 1) DOE-0300-05, W. Taylor to J. Saric/T. Schneider, "Transmittal of Responses to Ohio Environmental Protection Agency Comments on the Draft Excavation Plan for Area Silos and General Area and Draft Project Specific Plan for Excavation Control and Precertification of Area 7 Silos and General Area," dated August 17, 2005
 - 2) Letter, J. Saric to J. Reising, "Area 7 Excavation Plan," dated August 17, 2005
 - 3) Letter, J. Saric to J. Reising, "Area 7 Excavation Control PSP," dated August 17, 2005
 - 4) DOE-0310-05, W. Taylor to J. Saric/T. Schneider, "Transmittal of Responses to U.S. Environmental Protection Agency Comments on the Draft Excavation Plan for Area Silos and General Area and Draft Project Specific Plan for Excavation Control and Precertification of Area 7 Silos and General Area," dated August 24, 2005

Mr. James A. Saric
Mr. Tom Schneider

-2-

DOE-0001-06

- 5) DOE-0313-05, W. Taylor to J. Saric/T. Schneider, "Transmittal of Revised Responses to Ohio Environmental Protection Agency Comments on the Draft Excavation Plan for Area Silos and General Area," dated August 30, 2005
- 6) Letter, T. Schneider to W. Taylor, "RTC - Excavation Control and Precertification of the Area 7 Silos and General Area," dated August 31, 2005
- 7) Letter, T. Schneider to W. Taylor, "RTC - Excavation Plan for Area 7 Silos and General Area," dated August 31, 2005

Enclosed for your approval are the final Excavation Plan for Area 7 Silos and General Area and the revised Project Specific Plan (PSP) for the Excavation Control and Precertification of Area 7 Silos and General Area (Supplement to 20300-PSP-0011). These documents have been revised to include the approved Ohio Environmental Protection Agency comment responses as noted in References 6 and 7. The U.S. Environmental Protection Agency comment responses were also incorporated into these documents in relation to References 2 and 4.

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

Sincerely,

Johnny Reising
for William J. Taylor
Director

FCP:Reising

Enclosure

Mr. James A. Saric
Mr. Tom Schneider

-3-

DOE-0001-06

Enclosures

cc w/enclosures:

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

cc w/o enclosure:

J. Chiou, Fluor Fernald, Inc./MS88
M. Jewett, Fluor Fernald, Inc./MS1
F. Johnston, Fluor Fernald, Inc./MS12
C. Murphy, Fluor Fernald, Inc./MS1
ECDC, Fluor Fernald, Inc./MS52-7

10,01,10,07,1104

DA7(1)
(2)
(3) UUG238

Paddy's Run

EXCAVATION PLAN FOR AREA 7 SILOS AND GENERAL AREA

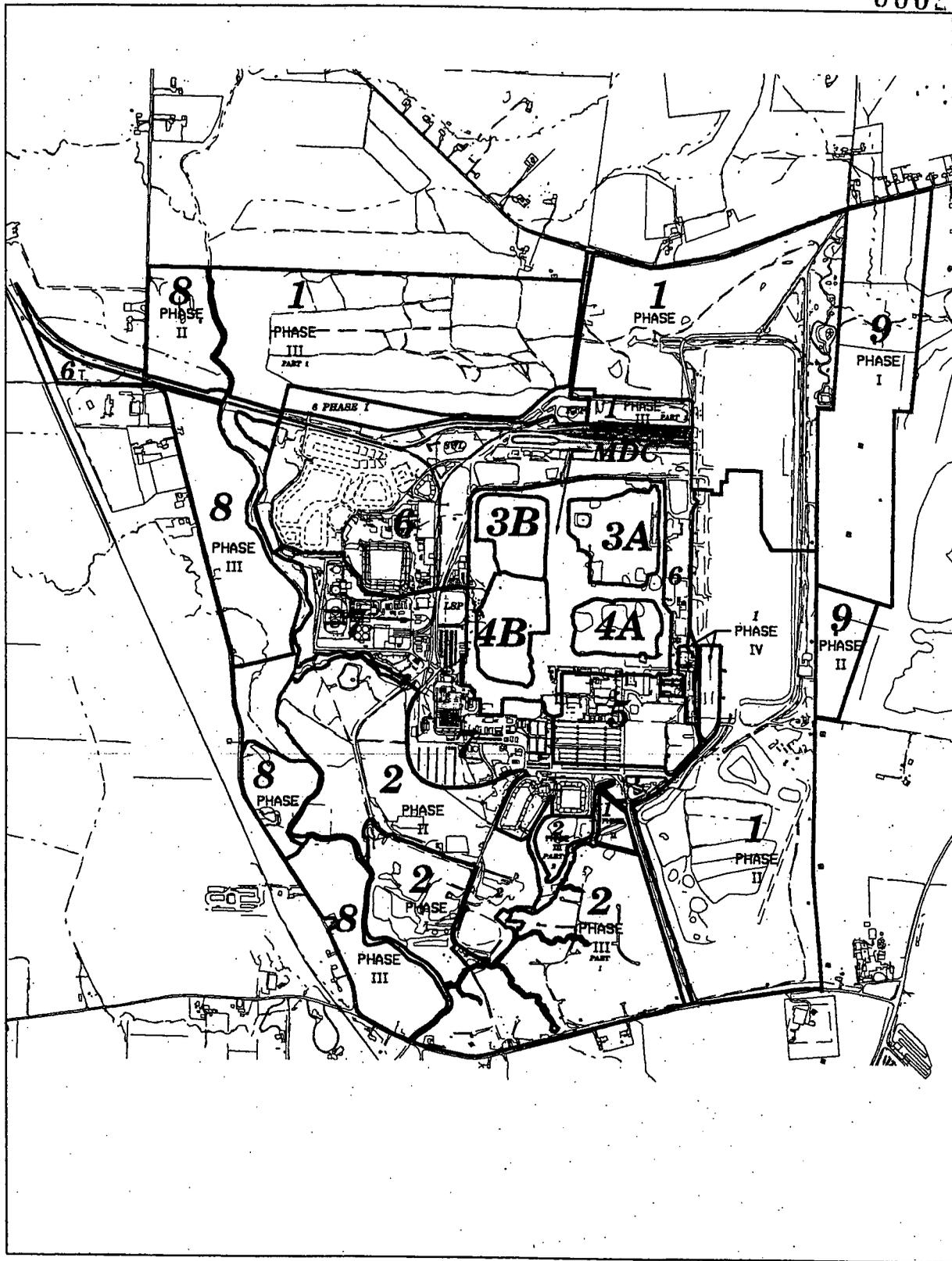
FERNALD CLOSURE PROJECT FERNALD, OHIO



OCTOBER 2005

U.S. DEPARTMENT OF ENERGY FERNALD AREA OFFICE

20500-PL-0002
REVISION 0
FINAL



LEGEND:

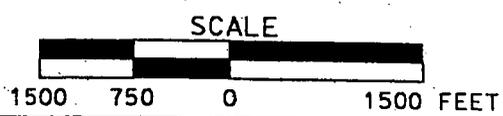


FIGURE 1-1. GENERALIZED SITEWIDE REMEDIATION AREAS

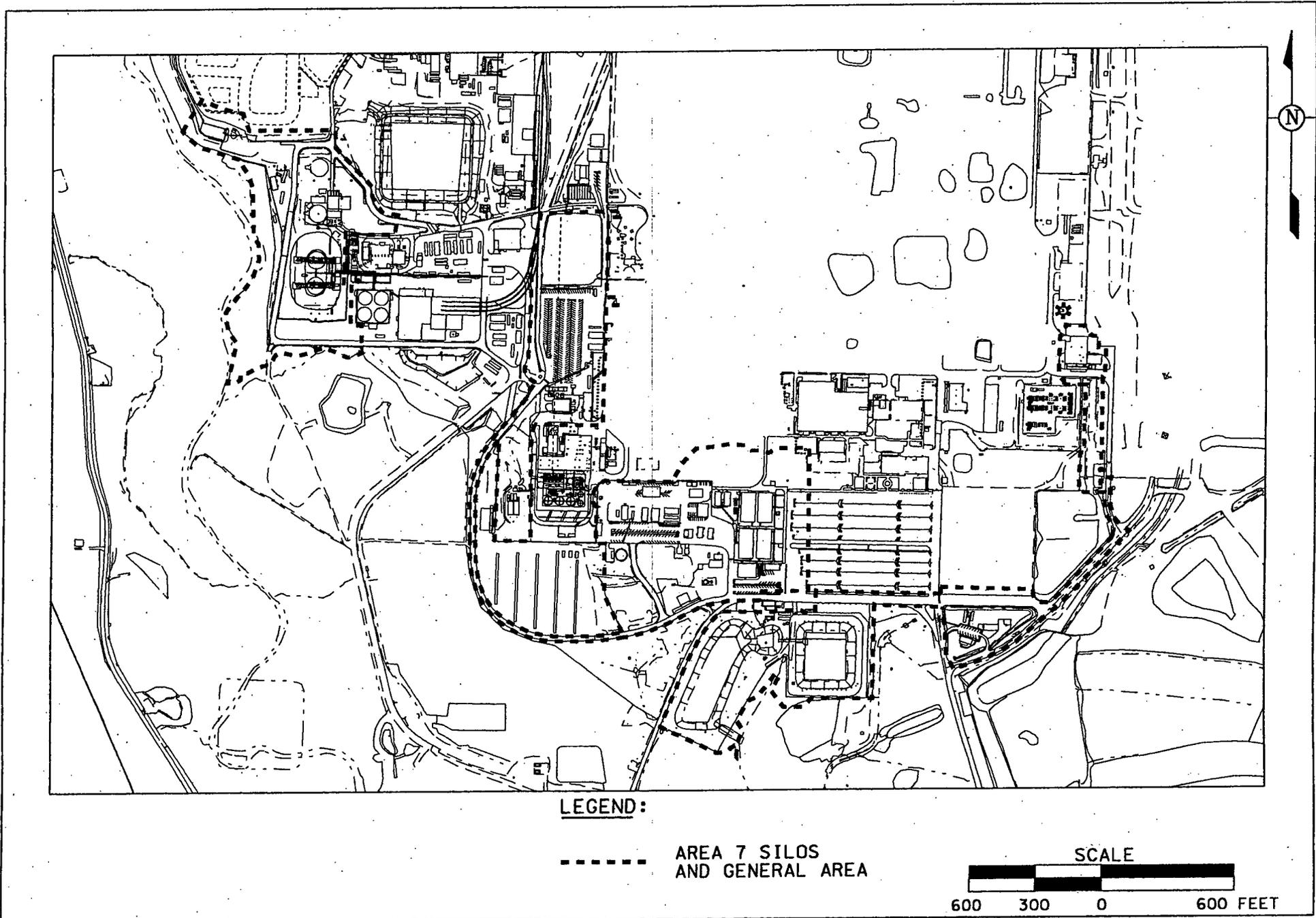


FIGURE 1-2. AREA 7 SILOS AND GENERAL AREA

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

FD. 01. 10. 09. FFDJ
DA 7 (1) (3) (5)
(2) (6) + (7)

FLUOR

006238

March 29, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0060

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office - Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Reising:

CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE FINAL EXCAVATION PLAN FOR AREA 7 SUPPORT AND SILOS PROCESS AREA AND REVISED PROJECT SPECIFIC PLAN FOR THE EXCAVATION CONTROL AND PRECERTIFICATION OF AREA 7 SUPPORT AND SILOS PROCESS AREA

- References:
- 1) Letter, J. Saric to J. Reising, "A7 Excavation Control and Precertification PSP for Support and Silos Process Area," dated October 5, 2005
 - 2) Letter, T. Schneider to W. Taylor, "Approval - PSP for the Excavation Control and Precertification of Area 7 Support and Silos Process Area," dated October 7, 2005
 - 3) Letter DOE-0013-06, J. Reising to J. Saric/T. Schneider, "Transmittal of Responses to U.S. Environmental Protection Agency and Ohio Environmental Protection Agency Comments on the Draft Excavation Plan for Area 7 Support and Silos Process Areas," dated October 31, 2005
 - 4) Letter, T. Schneider to J. Reising, "Approval-RTC for Excavation Plan for Area 7 Support and Silos Process Areas," dated November 22, 2005

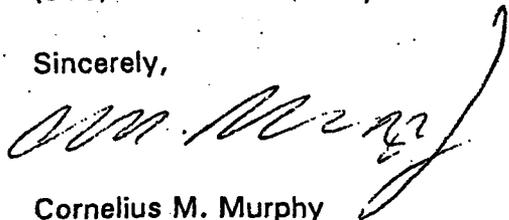
Enclosed for your approval are the final Excavation Plan for Area 7 Support and Silos Process Area and associated drawings, and the revised Project Specific Plan (PSP) for the Excavation Control and Precertification of Area 7 Support and Silos Process Area (Supplement to 20300-PSP-0011). The PSP has been approved by both the U.S. Environmental Protection Agency (EPA) and Ohio Environmental Protection Agency (OEPA) as noted in References 1 and 2. Revisions to the enclosed PSP include the incorporation of the comment responses and inclusion of variances written against Revision A of the PSP. The Excavation Plan has been revised to include all comment responses and approved by OEPA per Reference 4.

A retention basin, known as the Tank Transfer Area (TTA) Decontamination and Dismantlement (D&D) Retention Basin, will be constructed with a high-density polyethylene liner in the remediated Silo 1 footprint that will be used both during the D&D and soil remediation activities associated with Building 94B (Operable Unit 4 Remediation Facility) and Building 94C (TTA Building). During D&D activities, water collected in this basin will be pumped to the Converted Advanced Wastewater Treatment (CAWWT) Facility Backwash Basin for subsequent treatment at CAWWT prior to being released to the Great Miami River via the Fernald Site's Outfall Line. This basin is not being constructed to handle remediation water that comes in contact with Silos 1 and 2 process material or process equipment, but is being constructed to prevent stormwater runoff from the TTA and Remediation Facility general area going to the Pilot Plant Drainage Ditch (PPDD) and Paddys Run.

During subsequent soil remediation, runoff from the TTA and Remediation Facility area will be collected in this basin and sampled to determine appropriate discharge. This water will either be pumped to the CAWWT Backwash Basin for subsequent treatment at CAWWT or released into the PPDD, based on sampling results. This basin was not addressed in the previously reviewed Excavation Plan for Area 7 Support and Silos Process Areas.

Upon your concurrence, please forward these documents to the EPA and OEPA. If you have any questions or require additional information, please contact Jyh-Dong Chiou at (513) 738-2834 or Uday Kumthekar at (513) 738-2659.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:UAK:jkp

Enclosures

c: With Enclosures

Debbie Brennan, MS88
Tom Buhrlage, MS60-1
Joe Desormeau, DOE-OH/FCP, MS2
Mike Frank, MS88
Reinhard Friske, MS60
Uday Kumthekar, MS88
Gregg Johnson, MS60
Anthony Snider, MS88
Christa Walls, MS25
Fred Wilson, MS64
William Zebick, MS60
SDFP Engineering File Station, MS88
SDFP Library, MS88
DOE Records Center
Administrative Record (w/2 Enclosures), MS6
Letter Log Copy, MS1
Project Number 20500.2.22 (20500-PL-0003/20500-PSP-0010)

Without Enclosures

Richard Abitz, MS88
Christina Carr, DOE-OH/FCP, MS2
Tom Carr, MS64
Jyh-Dong Chiou, MS88
Mike Connors, MS1
Dennis Dalga, MS99
Frank Johnston, MS12
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Jeff Middaugh, MS60
Frank L. Miller, MS88
Dennis Nixon, MS1
Scott Osborn, MS25
M. D. Powell, MS64
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1
Mike Stumbo, MS60
Chuck Van Arsdale, MS88

**EXCAVATION PLAN FOR AREA 7
SUPPORT AND SILOS PROCESS AREAS**

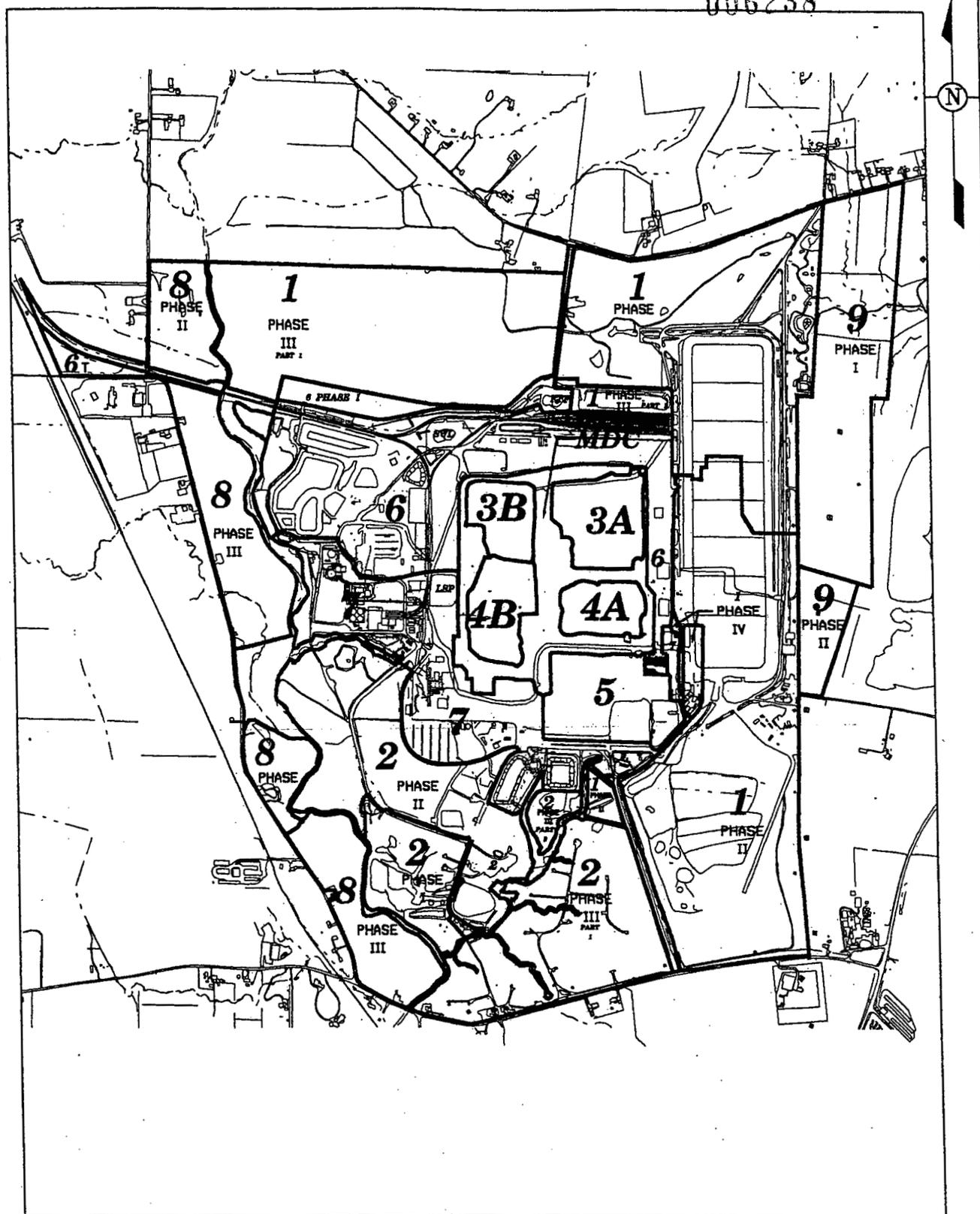
**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



MARCH 2006

U.S. DEPARTMENT OF ENERGY

**20500-PL-0003
REVISION 0
FINAL**



LEGEND:


REMEDIATION BOUNDARIES

SCALE

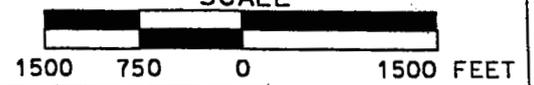


FIGURE 1-1. GENERALIZED SITEWIDE REMEDIATION AREAS

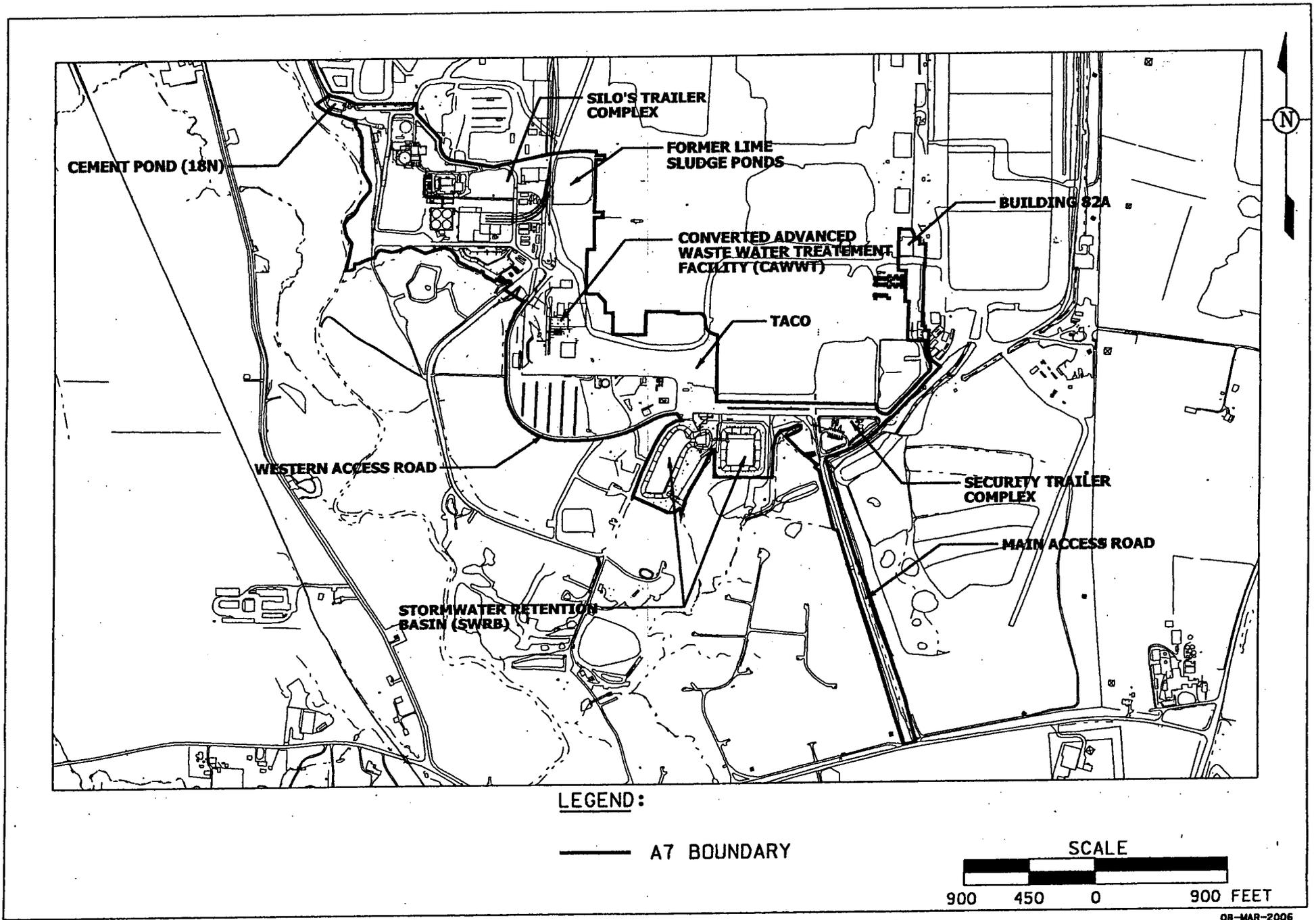


FIGURE 1-2. AREA 7 REMEDIATION AREA

Interim Declaration Checklist – C.1.1.8

Area Verification of Natural Resource Restoration Activities Completion

Date: 10-26-06

DOE Signature: *Johnny Reedy*

Fluor Fernald Signature: *Karl Albert*

Remediation Area Evaluated: DA7(3)		
Criteria	Fluor Fernald Verified (Y/N)	DOE CO Concur (Y/N)
Restoration Grading is Completed	<i>Y - gms</i>	<i>Y - Re - will check 11</i>
Planting is Completed	<i>Y - gms</i>	<i>Y - Re - will check 11</i>
Completion Report is Issued	<i>Y - mc</i>	<i>Y - Re</i>

10/26/06
check 11
check 11
11

Documents & Letters Supporting Completion Declaration:

Document	Approval Date
Former Production Area PII <i>Completion Report</i>	



Department of Energy

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



OCT 19 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-0019-07

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

Mr. Dave Devault
 United Fish and Wildlife Services
 Regional Office – Federal Building
 Fort Snelling, Minnesota 55111

Dear Mr. Saric, Mr. Schneider, and Mr. Devault:

CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF NATURAL RESOURCE RESTORATION STATEMENT OF COMPLETION FOR FORMER PRODUCTION AREA PHASE II

This letter documents the Statement of Completion for Phase II of the Former Production Area (FPA) Natural Resource Restoration Project at the Fernald Closure Project. The FPA includes all of the former production and administration areas at the site, including the storm water retention basins (SWRB). The portions discussed in this Statement of Completion include all or part of the following Declaration Areas (DA): 4BPI, 5PI, 6PI, 6III, 7(3), 7(4), 7(5) and 7(6). Figure 1 (attached) shows the northern areas listed above (DA 6PI and 6III). Figure 2 (attached) shows the remaining areas.

The objectives for the FPA restoration involved the establishment of wetland and open water areas surrounded by upland prairie. All areas required extensive grading, the addition of soil amendments and seeding. Several wetland shrub patches were strategically placed in Area 4B for increased diversity and wildlife habitat (Figure 2). Wildlife amenities include a fox den in DA 6PI, as well as brush and stones that were added as substrate in several open water areas.

Mr. James Saric
Mr. Thomas Schneider
Mr. Dave Devault

-2-

DOE-0019-07

The FPA restoration was conducted in accordance with the following:

- Former Production Area Natural Resource Restoration Design Plan (NRRDP)
- Silos Area NRRDP (includes a portion of DA 6III)
- Grading plan for Area 4B
- Grading plan for Area 6 (FPA), MDC 1st Street and 2nd Street, and Area 5

In addition to the NRRDPs and grading plans listed above, several areas were restored without formal submittal of a design plan. DA 7(3), 7(4), 7(5) and a portion of 7(6) were instead graded and seeded using the following criteria: create wetlands where possible, ensure slopes are 5:1 where possible, and seed with native grasses and forbs.

Most areas were restored in the summer and fall of 2006. A portion of Area 4B was restored in 2005.

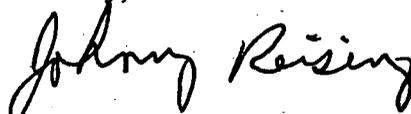
Deviations from Designs:

- The final grade was modified in DA 5PI area in order to maximize wetland and open water acreage.
- The final grade in DA 7(3) was modified to create a more natural drainage pattern into Area DA 4BPI.
- Planting patches in DA 4BPI were adjusted to account for increased open water acreage.
- The final grade in Area DA 6III was modified in order to maximize wetland acreage.

Mortality counts and herbaceous cover estimates for the project area will be conducted in late summer of 2007. The DOE Office of Legacy Management will ensure necessary maintenance and monitoring in these areas following Site Closure.

If you have any questions on this matter, please contact me at (513) 648-3139.

Sincerely,



Johnny W. Reising
Director

Enc. As stated

Mr. James Saric
Mr. Thomas Schneider
Mr. Dave Devault

-3-

DOE-0019-07

cc w/enclosure:

J. Desormeau, DOE-OH/FCP
G. Stegner, DOE-OH/FCP
C. Jacobson, Stoller
M. Lutz, Stoller
M. Miller, Stoller
J. Powell, DOE-LM/FCP
T. Schneider, OEPA-Dayton (three copies of enclosures)
G. Jablonowski, USEPA-V, SR-6J
D. Sarno, FCAB
M. Cullerton, Tetra Tech
M. Shupe, HSI GeoTrans
S. Helmer, ODH

cc w/o enclosure:

J. Chiou, Fluor Fernald, Inc./MS88
J. Homer, Fluor Fernald, Inc./MS12
F. Johnston, Fluor Fernald, Inc./MS12
T. Terry, Fluor Fernald, Inc./MS1
C. Murphy, Fluor Fernald, Inc./MS1
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Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

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FLUOR

October 18, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0205

Mr. Johnny W. Reising, Director
U. S. Department of Energy
Ohio Field Office – Fernald Closure Project
175 Tri-County Parkway
Cincinnati, Ohio 45246

Dear Mr. Reising:

CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF NATURAL RESOURCE RESTORATION STATEMENT OF COMPLETION FOR FORMER PRODUCTION AREA PHASE II

This letter documents the Statement of Completion for Phase II of the Former Production Area (FPA) Natural Resource Restoration Project at the Fernald Closure Project. The FPA includes all of the former production and administration areas at the site, including the storm water retention basins (SWRB). The portions discussed in this Statement of Completion include all or part of the following Declaration Areas (DA): 4BPI, 5PI, 6PI, 6III, 7(3), 7(4), 7(5) and 7(6). Figure 1 (attached) shows the northern areas listed above (DA 6PI and 6III). Figure 2 (attached) shows the remaining areas.

The objectives for the FPA restoration involved the establishment of wetland and open water areas surrounded by upland prairie. All areas required extensive grading, the addition of soil amendments and seeding. Several wetland shrub patches were strategically placed in Area 4B for increased diversity and wildlife habitat (Figure 2). Wildlife amenities include a fox den in Area DA 6PI, as well as brush and stones that were added as substrate in several open water areas.

The FPA restoration was conducted in accordance with the following:

- Former Production Area Natural Resource Restoration Design Plan (NRRDP)
- Silos Area NRRDP (includes a portion of DA 6III)
- Grading plan for Area 4B
- Grading plan for Area 6 (FPA), MDC 1st Street and 2nd Street, and Area 5

In addition to the NRRDPs and grading plans listed above, several areas were restored without formal submittal of a design plan. DA 7(3), 7(4), 7(5) and a portion of 7(6) were instead graded and seeded using the following criteria: create wetlands where possible, ensure slopes are 5:1 where possible, and seed with native grasses and forbs.

Most areas were restored in the summer and fall of 2006. A portion of Area 4B was restored in 2005.

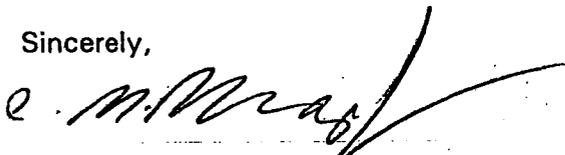
Deviations from Designs:

- The final grade was modified in DA 5PI area in order to maximize wetland and open water acreage
- The final grade in DA 7(3) was modified to create a more natural drainage pattern into Area DA 4BPI
- Planting patches in DA 4BPI were adjusted to account for increased open water acreage
- The final grade in Area DA 6III was modified in order to maximize wetland acreage

Mortality counts and herbaceous cover estimates for the project area will be conducted in late summer of 2007. Necessary maintenance and monitoring in these areas following Site Closure will be conducted by DOE.

Any questions on this matter should be directed to Jyh-Dong Chiou at (513) 738-2834 or John Homer at (513) 484-2313.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:JDC:JH:ldt

Enclosure

c: With Enclosure

Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Joe Desormeau, DOE-OH/FCP
John Homer, MS12
Frank Johnston, MS12
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Melissa Lutz, Stoller, Weldon Spring
Garner Powell, MS60
Harold Swiger, MS12
Tammy Terry, MS1
DOE Records Center
File Record Subject - Former Production Area
Letter Log Copy, MS1
Project Number 20600.2.22
Administrative Record (w/2 copies of enclosure), MS6

Without Enclosure

Jyh-Dong Chiou, MS88
Reinhard Friske, MS60
Uday Kumthekar, MS88
Lisa McHenry, MS12
Donna Metzler, Stoller, MS2
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1
Gary Stegner, DOE/OH

Other – Oakland Operations Office Sites

Remediated research laboratories formerly operated under the DOE Oakland Operations Office, California, assigned to the Office of Legacy Management for records management and stakeholder support. The following Oakland Operations Office sites are currently managed by the Office of Legacy Management:

Missouri University Research Reactor, Missouri, Site
Geothermal Test Facility, California, Site
General Atomics Hot Cell Facility, California, Site

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Missouri University Research Reactor Site – Activities involving radioactive materials used in the Transmutation by Pyropartitioning Separation Project were managed under a reactor license issued by the U.S. Nuclear Regulatory Commission (NRC) for Missouri University Research Reactor (MURR). MURR's NRC materials license imposed additional requirements regarding security of special nuclear materials and emergency response. The Federal Facility Compliance Act of 1992 (Public Law 102-386) required DOE to prepare a proposed Site Treatment Plan describing DOE's course of action for storing and treating mixed waste in compliance with state and federal regulations. The proposed Site Treatment Plan also had to meet state or Environmental Protection Agency approval. All mixed waste generated during the project was managed according to requirements of the Atomic Energy Act and the Resource Conservation and Recovery Act (RCRA). DOE's proposed Site Treatment Plan was approved by the Missouri Department of Natural Resources, which also has oversight for RCRA wastes in the state of Missouri.

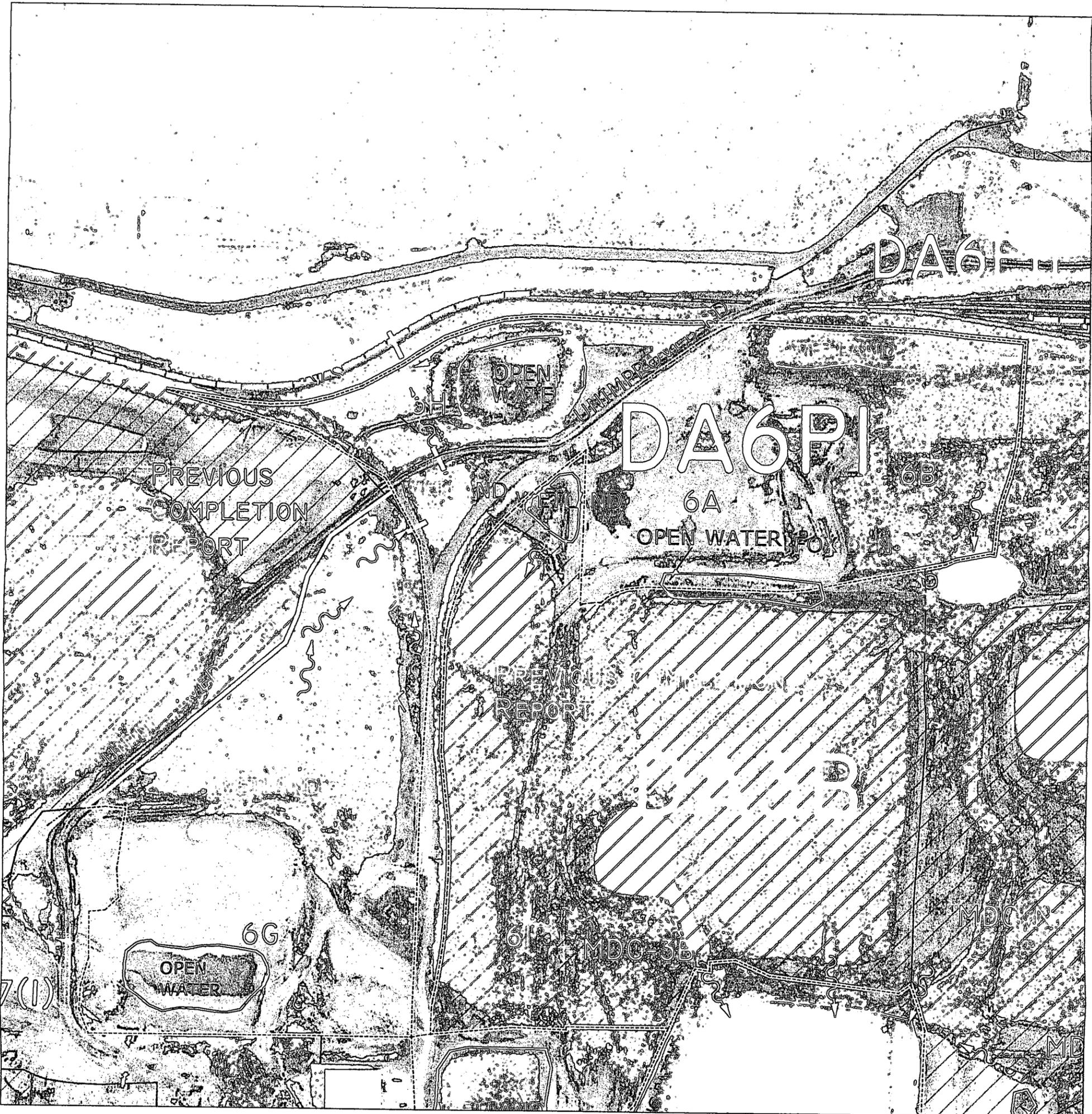
Geothermal Test Facility Site – The Colorado River Basin Regional Water Quality Control Board, a California State agency, was the lead agency in the cleanup effort at the Geothermal Test Facility Site. The Water Quality Control Board issued a Waste Discharge Requirement Order in 1989 that required removal and disposal of geothermal waste at an approved disposal site. DOE also coordinated with the Bureau of Land Management (BLM) as part of the site closure. DOE used the site under a right-of-way agreement with BLM, which BLM must approve and accept the restoration activities at the site before DOE could terminate the agreement.

General Atomics Hot Cell Facility Site – The General Atomics Hot Cell Facility was regulated under General

Figure 1

Former Production Area Phase II
Natural Resource Restoration Completion Report

SEPTEMBER 9, 2006 PHOTO



LEGEND

- DECLARATION AREAS
- FPA COMPLETION REPORT AREAS



TECUMSEH SURVEYING, INC.

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DA4B
PI

4B
PART 2

DA7(3)

11

9

2

8

1

4

10

6

7

5