

** Paddys Run DA*

Interim Declaration Checklist – C.1.1.5

006221

Area Verification of Soils Excavation Completion

Date: 10/17/06

DOE Signature: *Johnny Rausig 10/17/06*

Fluor Fernald Signature: *Mark Albertus*

Remediation Area Evaluated:		
Criteria	Fluor Fernald Verified (Y/N)	DOE CO Concur (Y/N)
Integrated Remedial Design Package is <u>Approved</u> by USEPA	<i>Y FNC</i>	<i>X CR</i>
Soil Disposition Manifests are Available <i>data is available in ODF agency system.</i>	<i>Y FNC</i>	<i>Y CR</i>
Certification Design Letter is Approved by the Agencies	<i>Y FNC</i>	<i>Y CR</i>
Soil FRL's are Achieved	<i>Y FNC</i>	<i>Y CR</i>
Certification Report is Approved - <i>has been submitted 10/15/06 to agency</i>	<i>Y FNC</i>	<i>Y CR</i>
Contour Grading is Completed	<i>Y FNC</i>	<i>Y CR</i>

10/17/06
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")
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")
")

** includes the Urban area.*

Documents & Letters Supporting Completion Declaration:

Document	Approval Date
Stream Corridors PPDD and Paddys Run Excavation Plan	
Stream Corridors, Paddys Run, PPDD CDL/PSP	
Stream Corridors, Paddys Run, PPDD CDL/PSP	
Stream Corridors, Paddys Run, PPDD CDL/PSP	
Stream Corridors Paddys Run and PPDD Cert Report	
Stream Corridors, Paddys Run, PPDD CDL/PSP	

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

006221

FLUOR

October 5, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0210

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

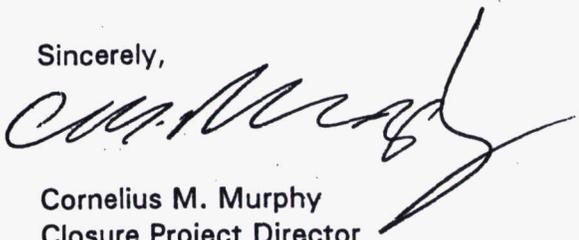
Dear Mr. Reising:

**CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF THE DRAFT CERTIFICATION
REPORT FOR STREAM CORRIDORS PADDYS RUN AND PILOT PLANT DRAINAGE DITCH**

Enclosed for your review is the draft Certification Report for Stream Corridors Paddys Run and Pilot Plant Drainage Ditch.

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, MS90
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-PL-0008)

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
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

006221



Department of Energy

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



OCT 6 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-0004-07

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 REPORT FOR STREAM
CORRIDORS PADDYS RUN AND PILOT PLANT DRAINAGE DITCH**

Enclosed for your review is the draft Certification Report for Stream Corridors Paddys Run and Pilot Plant Drainage Ditch.

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-0004-07

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

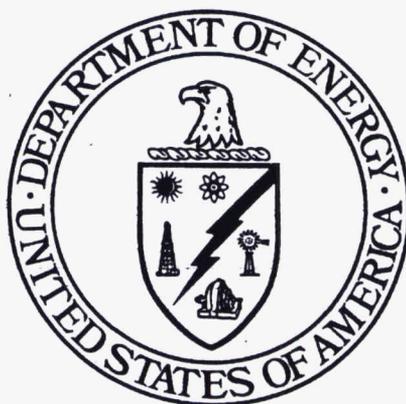
cc w/o enclosure:

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

006221

**CERTIFICATION REPORT FOR STREAM
CORRIDORS PADDYS RUN AND PILOT PLANT
DRAINAGE DITCH**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



OCTOBER 2006

U.S. DEPARTMENT OF ENERGY

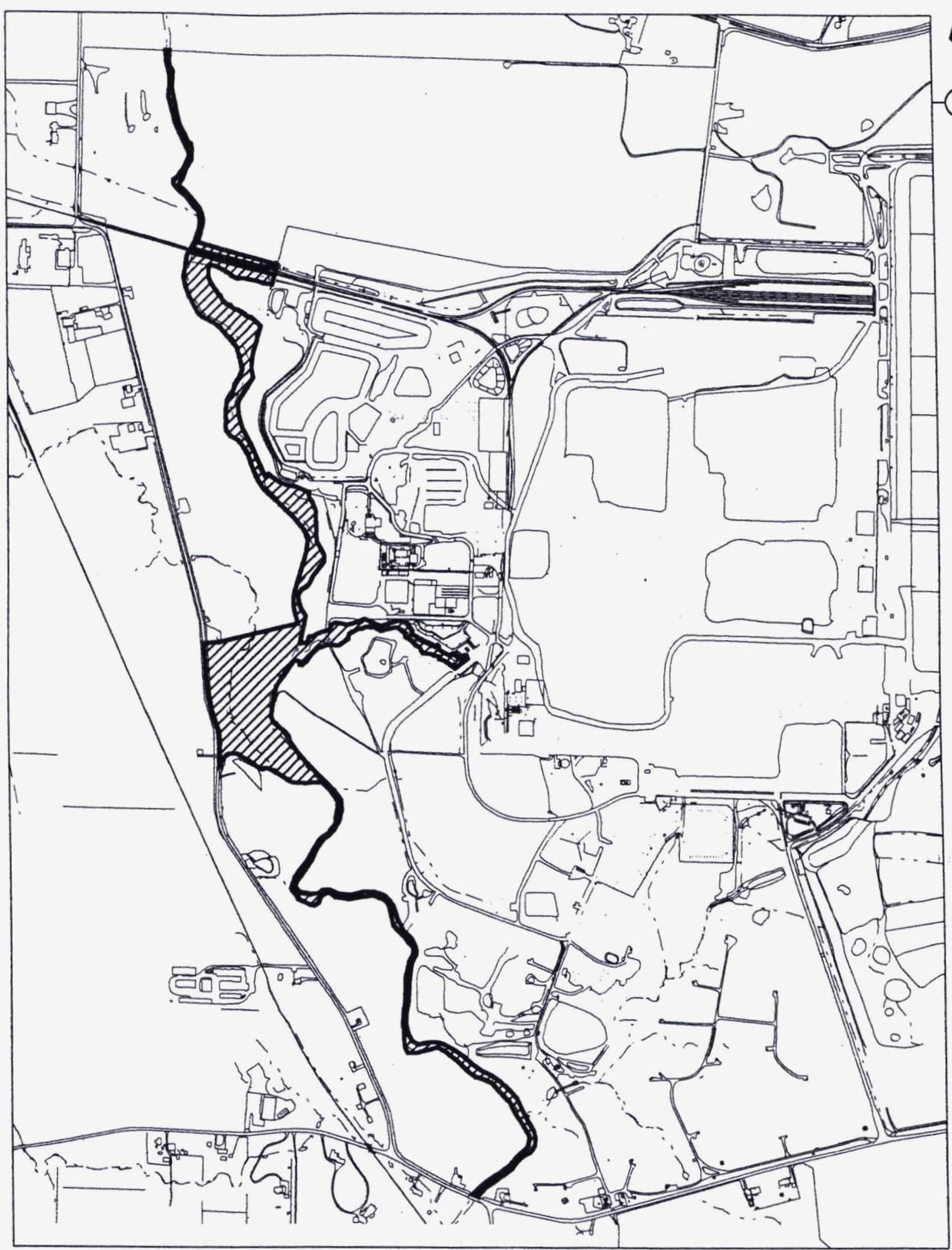
**20820-RP-0003
REVISION A
DRAFT**

DRAFT
Revision A
25

v:\92\fm\2\wdg\paddy_010.dgn

STATE PLANNING COORDINATE SYSTEM 1983

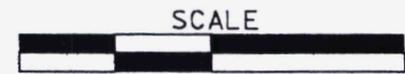
03-OCT-2006



LEGEND:



PADDYS RUN
CERTIFICATION
BOUNDARY



1000 500 0 1000 FEET

**FIGURE 1-1. PADDYS RUN AND PILOT PLANT
DRAINAGE DITCH AREA LOCATION MAP**



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

001 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: Stream Corridors, Paddys Run, and Pilot
 Plant Drainage Ditch RTC and Final CDL, 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) Responses to Comments (RTC) and final Certification Design Letter (CDL) and Certification Project Specific Plan (PSP) for the Stream Corridors, Paddys Run, and the Pilot Plant Drainage Ditch.

The RTC have adequately addressed U.S. EPA's previous comments. Therefore, U.S. EPA approves the final CDL and PSP for the Stream Corridors, Paddys Run, and the Pilot Plant Drainage Ditch.

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

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

September 18, 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 THE STREAM
CORRIDORS PADDYS RUN AND PILOT PLANT DRAINAGE DITCH**

Mr. Reising:

Ohio EPA has reviewed DOE's "Transmittal of the Response to Comments and the Final Certification Design Letter And Certification Project Specific Plan for the Stream Corridors Paddys Run and Pilot Plant Drainage Ditch" submitted September 15, 2006. The CDL/PSP was subsequently modified by V/FCN 20820-PSP-004-1 submitted on September 20, 2006. Based upon our review of these documents, Ohio EPA approves this CDL/PSP and V/FCN 20820-PSP-004-1.

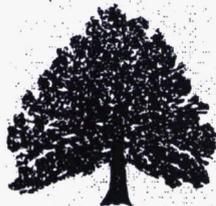
If there are any questions, please contact or me at (937) 285-6466.

Sincerely,

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

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

Q:\ou5\Pilot Plant Drainage Ditch\CDL&CertPSPforPPDD&PRFinalApprov.wpd



Department of Energy

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



SEP 14 2006

DOE-0197-06

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 RESPONSES TO COMMENTS AND THE FINAL
 CERTIFICATION DESIGN LETTER AND CERTIFICATION PROJECT SPECIFIC
 PLAN FOR THE STREAM CORRIDORS PADDYS RUN AND PILOT PLANT
 DRAINAGE DITCH**

- References: 1) Letter, J. Saric to T. Schneider, "Stream Corridors Paddys Run and Pilot Plant Drainage Ditch CDL and Certification PSP," dated July 6, 2006
- 2) Letter, T. Schneider to J. Reising, "Comments - CDL and Certification PSP for the Stream Corridors Paddys Run and PPDD," dated July 26, 2006

Enclosed for your approval are responses to U.S. Environmental Protection Agency and Ohio Environmental Protection Agency comments and the final Certification Design Letter and Certification Project Specific Plan for the Stream Corridors Paddys Run and Pilot Plant Drainage Ditch. These comment responses have already been incorporated into the enclosed final document.

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

Sincerely,

Johnny W. Reising
 Johnny W. Reising
 Director

Enclosures

Mr. James Saric
Mr. Thomas Schneider

-2-

DOE-0197-06

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

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

10.01.10.12.1 to 4

006221

FLUOR

September 12, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0191

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:

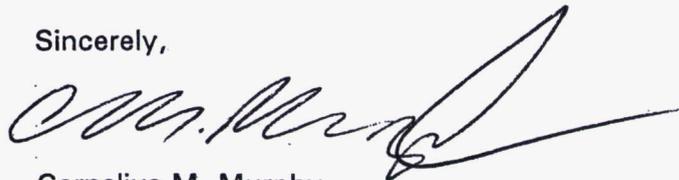
CONTRACT DE-AC24-01OH20115, TRANSMITTAL OF RESPONSES TO COMMENTS AND THE FINAL CERTIFICATION DESIGN LETTER AND CERTIFICATION PROJECT SPECIFIC PLAN FOR THE STREAM CORRIDORS PADDYS RUN AND PILOT PLANT DRAINAGE DITCH

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- 2) Letter, T. Schneider to J. Reising, "Comments - CDL and Certification PSP for the Stream Corridors Paddys Run and PPDD," dated July 26, 2006

Enclosed for your approval are responses to U.S. Environmental Protection Agency (EPA) and Ohio Environmental Protection Agency (OEPA) comments and the final Certification Design Letter and Certification Project Specific Plan for the Stream Corridors Paddys Run and Pilot Plant Drainage Ditch. These comment responses have already been incorporated into the enclosed final document.

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
Enclosures

c: With Enclosures

Debbie Brennan, MS88
Tom Buhrlage, MS60
Joe Desormeau, DOE-OH/FCP, MS2
Mike Frank, MS88
Reinhard Friske, MS90
Garner Powell, MS60
SDFP Library, MS88
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Letter Log Copy, MS1
Project Number 20820.2.22 (20820-PSP-0004)

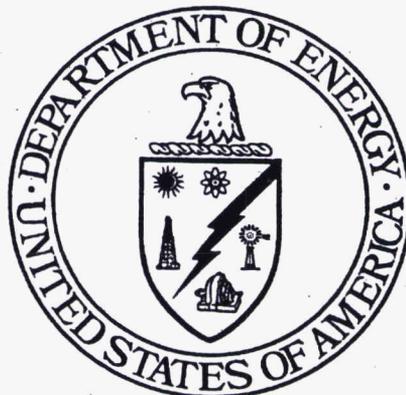
Without Enclosures

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Gregg Johnson, MS90
Frank Johnston, MS12
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
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Donna Metzler, Stoller, MS2
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Frank L. Miller, MS60
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1
Anthony Snider, MS88
Tammy Terry, MS1
Christa Walls, MS3
Fred Wilson, MS60
Bill Zebick, MS60

006221

**CERTIFICATION DESIGN LETTER AND
CERTIFICATION PROJECT SPECIFIC PLAN
FOR THE STREAM CORRIDORS PADDYS RUN
AND PILOT PLANT DRAINAGE DITCH**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



SEPTEMBER 2006

U.S. DEPARTMENT OF ENERGY

**20820-PSP-0004
REVISION 0**

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. Koncelik, Director

January 25, 2006

Mr. Johnny Reising
U.S. Department of Energy
Ohio Field Office
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246**RE: APPROVAL - RtC ON THE EXCAVATION PLAN FOR THE STREAM
CORRIDORS PPDD AND PADDYS RUN**

Mr. Reising:

Ohio EPA has reviewed DOE's "Transmittal of the Response to the Additional Ohio Environmental Protection Agency Comment and the Final Excavation Plan For The Stream Corridors Pilot Plant Drainage Ditch and Paddys Run," (20820-PL-0002) Rev. 0, submitted on January 4, 2006. Ohio EPA approves of this Response to Comment and revised document.

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

Sincerely,

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversightcc: Jim Saric, U.S. EPA
Mark Shupe, HSI GeoTrans
Michelle Cullerton, Tetra Tech EM Inc.

Q:\ou5\Pilot Plant Drainage Ditch\ExcavPlnStreamCorrPPDD&PRapp.wpd



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

006221

OG F-00677

2005 JUN -8 P 3:11

6446.6

REPLY TO THE ATTENTION OF:

JUN 07 2005

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

SR-6J

RE: Stream Corridors Excavation
Plan and PSP for Precertification

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 excavation plan and Project Specific Plan (PSP) for excavation control and precertification of the stream corridors pilot plant drainage ditch and Paddys Run.

The documents appear technically adequate. However, U.S. EPA has enclosed a few minor comments on the excavation plan. Therefore, U.S. EPA approves the stream corridor draft excavation plan and PSP for excavation control and precertification. U.S. DOE must submit responses to comments and change pages for the excavation plan within thirty (30) days receipt of this letter.

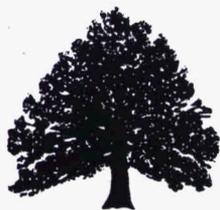
Please contact me at (312) 886-0992 if you have any questions regarding this matter.

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



Department of Energy

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



January 3, 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-0050-06

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 RESPONSE TO THE ADDITIONAL OHIO
ENVIRONMENTAL PROTECTION AGENCY COMMENT AND THE FINAL
EXCAVATION PLAN FOR THE STREAM CORRIDORS PILOT PLANT DRAINAGE
DITCH AND PADDYS RUN**

- References:
- 1) Letter, J. Saric to J. Reising, "Stream Corridors Excavation Plan and PSP for Precertification," dated June 7, 2005
 - 2) Letter DOE-0299-05, W. Taylor to J. Saric/T. Schneider, "Transmittal of Responses to Comments on the Draft Excavation Plan for Stream Corridors Pilot Plant Drainage Ditch and Paddys Run and Draft Project Specific Plan for Excavation Control and Precertification of the Stream Corridors Pilot Plant Drainage Ditch and Paddys Run," dated August 17, 2005
 - 3) Letter, T. Schneider to W. Taylor, "Comment - RTCs on the Excavation Plan for the Stream Corridors PPDD and Paddys Run," dated September 6, 2005

Enclosed for your approval is the response to the additional Ohio Environmental Protection Agency comment and the final Excavation Plan for the Stream Corridors Pilot Plant Drainage Ditch and Paddys Run. As noted in Reference 1, the U.S. Environmental Protection Agency has conditionally approved this plan upon the incorporation of the comments responses that were submitted in Reference 2. All comment responses have been included in the enclosed final plan.

Mr. James A. Saric
Mr. Tom Schneider

-2-

DOE-0050-06

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, SR-6J
M. Cullerton, Tetra Tech
M. Shupe, HSI GeoTrans
R. Vandegrift, 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

(513) 648-3000

FLUOR

December 27, 2005

Fernald Closure Project
Letter No. C:CPD:2005-0134

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 RESPONSE TO THE
ADDITIONAL OHIO ENVIRONMENTAL PROTECTION AGENCY COMMENT AND THE FINAL
EXCAVATION PLAN FOR THE STREAM CORRIDORS PILOT PLANT DRAINAGE DITCH AND
PADDYS RUN**

- References:
- 1) Letter, J. Saric to J. Reising, "Stream Corridors Excavation Plan and PSP for Precertification," dated June 7, 2005
 - 2) Letter DOE-0299-05, W. Taylor to J. Saric/T. Schneider, "Transmittal of Responses to Comments on the Draft Excavation Plan for Stream Corridors Pilot Plant Drainage Ditch and Paddys Run and Draft Project Specific Plan for Excavation Control and Precertification of the Stream Corridors Pilot Plant Drainage Ditch and Paddys Run," dated August 17, 2005
 - 3) Letter, T. Schneider to W. Taylor, "Comment - RTCs on the Excavation Plan for the Stream Corridors PPDD and Paddys Run," dated September 6, 2005

Enclosed for your approval is the response to the additional Ohio Environmental Protection Agency (OEPA) comment and the final Excavation Plan for the Stream Corridors Pilot Plant Drainage Ditch and Paddys Run. As noted in Reference 1, the U.S. Environmental Protection Agency (EPA) has conditionally approved this plan upon the incorporation of the comments responses that were submitted in Reference 2. All comment responses have been included in the enclosed final plan.

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 Uday Kumthekar at (513) 484-2260.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:JDC:UAK:jkp

Enclosures

c: With Enclosures

Debbie Brennan, MS88
Joe Desormeau, DOE-OH/FCP
Mike Frank, MS88
Reinhard Friske, MS60
Gregg Johnson, MS60
Uday Kumthekar, MS88
Scott Osborn, MS52-3
Anthony Snider, MS88
Mike Stumbo, MS60
Fred Wilson, MS64
DSDP Engineering File Station, MS88
DSDP Library, MS88
DOE Records Center
Letter Log Copy, MS1
Project Number 20820.2.22 (20820-PL-0002)
Administrative Record, MS6

c: Without Enclosures

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Pete Bolig, MS64
Tom Buhrlage, MS60-1
Christina Carr, DOE-OH/FCP
Tom Carr, MS64
Jyh-Dong Chiou, MS88
Mike Connors, MS64
Dennis Dalga, MS52-3
Donald Goetz, MS60
Barry E. Kain, DOE Contracting Officer, DOE/EMCBC
Frank Johnston, MS12
Frank L. Miller, MS88
Dennis Nixon, MS1
M. D. Powell, MS64
Dennis Sizemore, Fluor Fernald Inc. Prime Contract, MS1
Chuck Van Arsdale, MS88
William Zebick, MS60

**EXCAVATION PLAN FOR THE STREAM CORRIDORS
PILOT PLANT DRAINAGE DITCH AND PADDYS RUN**

**FERNALD CLOSURE PROJECT
FERNALD, OHIO**



DECEMBER 2005

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

**20820-PL-0002
REVISION 0
FINAL**

Paddy's Run

Interim Declaration Checklist – C.1.1.3

Area Verification of D&D Activities Completion

Date: 10-17-06

DOE Signature: *Johnny Rising 10/17/06*

Fluor Fernald Signature: *Fred Alberto 10-17-06*

Remediation Area Evaluated:		
Criteria	Fluor Fernald Verified (Y/N)	DOE CO Concur (Y/N)
D&D Implementation Plan is Approved	<i>NA</i>	<i>NA</i> <i>AR</i>
D&D of Facilities is Complete	<i>NA</i>	<i>NA</i>
Any Remaining Property, Equipment, Structures is documented on Maps 1,2 or 3	<i>NA</i>	<i>NA</i>
All Debris and Small Structures have been removed	<i>Y</i> <i>me</i>	<i>Y</i> <i>AR</i>
D&D Project Completion Report is Submitted and Approved	<i>NA</i>	<i>NA</i>
D&D Debris Manifests are Available	<i>NA</i>	<i>NA</i>
All Containerized Legacy Waste and/or Nuclear Material has been removed.	<i>NA</i>	<i>NA</i>

10/17/06

10/17/06

Documents & Letters Supporting Completion Declaration:

Document	Approval Date
<i>no D&D of structures in this area,</i>	
<i>AR</i>	

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

006221

AREA Paddys Run: DOE WALKDOWN
(Rev. 2, October 17, 2006)

1. Comp. - North end of creek: remove survey flag: east side 300 ft. from North end
2. Comp. - North end of creek: remove survey flag: west side 500 ft. from North end
- 3.A.Comp. - North end of creek: remove survey flag: east side 550 ft. from North end
- 3.B.Comp. - North end of creek: Fence post with concrete - east bank
4. Comp. - North end of creek: remove ribbon on tree trunk extending into river - between North end and trestle
5. Comp. - North end of creek: remove survey flag - just south of #4 in creek bed
6. Comp. - North end of creek: remove flag and debris in creek bed - 500 ft. North of trestle
- 7.A. Comp. - South of trestle: Repair runoff area on west bank and remove silt fence/debris- 100 ft. South of trestle
- 7.B. Comp. - South of trestle: remove flag, fence post and piece of concrete - 100 ft. South of trestle
8. Comp. - South of trestle: remove piece of concrete in creek bed - 150 ft. South of trestle
- 9.A. Comp. - South of trestle: remove anchor in creek bed - 300 ft. South of trestle
- 9.B.Comp. - South of trestle in area of steep bank: fence post on side of bank - 200' north of #10
10. Comp. - Near Waste Pits new runoff ditch: remove flags, ribbons, and debris
11. Comp. - South of Waste Pits new runoff ditch: remove post on west side
12. Comp. - South of #11: remove debris in creek bed
13. Comp. - South of Waste Pits new runoff ditch: remove flags on west side - 200 feet south of new runoff ditch
14. Comp. - South of Waste Pits new runoff ditch: remove blue survey flag west side
15. Comp. - South of Waste Pits new runoff ditch: remove concrete in creek beds
16. Comp. - South of Waste Pits new runoff ditch: remove blue survey flag west side
17. Comp. - South of Waste Pits new runoff ditch: remove transite and debris in creek bed
18. Comp. - West of Raptor Platform: remove 1" PVC in creek bed
- 19.A. Comp. - South of Raptor Platform: remove survey flags on east side
- 19.B. Comp. - South of Raptor Platform: remove railroad tie in creek bed
- 19.C. Comp. - South of Raptor Platform: remove fence post in east bank
20. Comp. - West of 7A Silos 1&2 area: remove posts and debris on east bank north end of area
21. Comp. - West of 7A Silos 1&2 area: remove posts and survey markers on east bank south end of area
22. Comp. - South of 7A Silos 1&2 area: remove pieces of concrete in creek bed
- 23.A. Comp. - South of 7A Silos 1&2 area: remove pieces of concrete, fence wire and erosion control fabric in creek bed
- 23.B. Comp. - South of 7A Silos 1&2 area: remove rad rope and debris
- 23.C. Comp. - South of 7A Silos 1&2 area: remove silt fence and wire on east bank
24. Comp. - Oxbow area: remove flags both sides - north end of Oxbow area
25. Comp. - Oxbow area: remove erosion control fabric, inter-tube, and fence posts in creek bed
26. Comp. - Oxbow area: remove survey flags on West bank
- 27.A. Comp. - Oxbow area: remove survey flags on both sides of creek
- 27.B. Comp. - Oxbow area: remove wheel borrow on east side of creek
- 27.C. Comp. - Oxbow area: remove tub in east bank (Note: have rad techs check tub)

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

006221

28. Comp. - Runoff ditch north of Nature park: remove survey flags and erosion control fabric
29. Comp. - Between Oxbow haul road and Nature park: remove debris
30. Comp. - Between Oxbow haul road and Nature park: remove survey flags
31. Comp. - River bend area: well casing near major snag in creek bed
32. Comp. - River bend area: large yellow rope east of snag area
33. Comp. - Between Oxbow haul road and Nature park: remove milk bottle basket on east side of creek
34. Comp. - Old Oxbow haul road: remove debris pile -50 ft. north of old Oxbow Haul Rd.
35. Comp. - Old Oxbow haul road: remove debris pile -300 ft. south of old Oxbow Haul Rd.
36. Comp. - Old Oxbow haul road: remove culvert gaskets along east side of creek
(Note: approximately 5 spread over a 700' area)
37. Comp. - Southwest of Southfield: wire cage and survey flags
38. Southwest of Southfield: fence post 500' down from #37
39. Comp. - West of runoff ditch from SSOD: remove pile of debris, survey flags and erosion control fabric in creek bed
40. Comp. - West of runoff ditch from SSOD: remove silt fence north of debris pile in east bank
41. Comp. - North of bridge: fence post on east side
42. Comp. - North of bridge: tire on west bank - 500' north of bridge
43. Comp. - Under bridge: Remove debris and clean up road litter from both banks adjacent to bridge

006221

PADDY'S RUN WEST / A8P3 - SOUTH PROJECT COMPLETION REPORT

LIDAR DATE: SEPTEMBER 2, 2005



TOTAL ACRES FOR
AREA = 29.10 AC.

- DEER EXCLOSURE FENCE
- RIPARIAN EXPANSION PLANTINGS
- PRAIRIE SEEDING AREA

TECUMSEH SURVEYING, INC.
 4040 CINCINNATI-BIRKOVILLE ROAD, BHANDON, OHIO 45013
 TELEPHONE: 513 738-2134, FAX: 513 738-2756

PADDY'S RUN WEST / A8P3 - NORTH PROJECT COMPLETION REPORT

LIDAR DATE: SEPTEMBER 2, 2005



TOTAL ACRES FOR
AREA 598.71 AC

- LEGEND
- DEEP EXCLUSION FENCING
 - RIPARIAN EXPANSION
 - PRAIRIE SEEDING AREA



Department of Energy



006221

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

January 4, 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-0051-06

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 A REVISED STATEMENT OF COMPLETION FOR THE AREA 8,
PHASE III (PADDYS RUN WEST) NATURAL RESOURCE RESTORATION PROJECT**

References: Letter DOE-0029-06, from Johnny Reising to James Saric and Tom Schneider,
"Transmittal of the Statement of Completion for the Area 8, Phase III (Paddys
Run West) Natural Resource Restoration Project," dated November 28, 2005.

This letter transmits a revised Statement of Completion for the Area 8, Phase III (A8PIII) Restoration Project at the Fernald Closure Project. A8PIII includes most of the area from the west side of Paddys Run to the western property boundary, and from the railroad tracks south to Willey Road. The A8PIII restoration area encompasses approximately 43 acres.

A8PIII is divided into two areas, A8PIII-North and A8PIII-South. A8PIII-North includes the field along Paddys Run Road between the railroad tracks to the north and the wooded area to the south end of the field. A8PIII-South includes the areas from the Ecological Restoration Park, south to Willey Road. A8PIII-South is further subdivided into the "Substation" and "Willey Road" project areas.

The objectives for the project consisted of the establishment of three new prairies and the expansion of the riparian corridor along the west side of Paddys Run. Restoration work started in the fall of 2003 and was completed in the fall of 2005.

- The plans for A8PIII-North originally show Patch 5 to be right along the existing tree line of the riparian corridor. However, access to Paddys Run was going to be necessary for construction purposes after planting was completed, so the patch was moved to the west, to allow a corridor for access to Paddys Run.

Mortality counts for the project area will be conducted next spring/summer (2006). Although all requirements of the Natural Resource Restoration Design Plan will be completed in December 2005, Fluor Fernald will continue to conduct necessary maintenance in this area until Site Closure.

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, DOE-OH/FCP
G. Stegner, DOE-OH
B. Kain, DOE/EMCBC
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
R. Vandegrift, ODH
AR Coordinator, Fluor Fernald, Inc./MS6

cc w/o enclosures:

H. Bilson, Fluor Fernald, Inc./MS1
J. Chiou, Fluor Fernald, Inc./MS88
F. Johnston, Fluor Fernald, Inc./MS12
J. Homer, Fluor Fernald, Inc./MS90
D. Nixon, Fluor Fernald, Inc./MS1
D. Powell, Fluor Fernald, Inc./MS64
E. Woods, Fluor Fernald, Inc./MS90

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

006221

(513) 648-3000

FLUOR

December 29, 2005

Fernald Closure Project
Letter No. C:CPD:2005-0135

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 A REVISED STATEMENT OF COMPLETION FOR THE AREA 8, PHASE III (PADDYS RUN WEST) NATURAL RESOURCE RESTORATION PROJECT

Reference: Letter DOE-0029-06, from Johnny Reising to James Saric and Tom Schneider, "Transmittal of the Statement of Completion for the Area 8, Phase III (Paddys Run West) Natural Resource Restoration Project," dated November 28, 2005.

This letter is a revised Statement of Completion for the Area 8, Phase III (A8PIII) Restoration Project at the Fernald Closure Project, submitted November 23, 2005. A8PIII includes most of the area from the west side of Paddys Run to the western property boundary, and from the railroad tracks south to Willey Road. The A8PIII restoration area encompasses approximately 43 acres.

A8PIII is divided into two areas, A8PIII-North and A8PIII-South. A8PIII-North includes the field along Paddys Run Road between the railroad tracks to the north and the wooded area to the south end of the field. A8PIII-South includes the areas from the Ecological Restoration Park, south to Willey Road. A8PIII-South is further subdivided into the "Substation" and "Willey Road" project areas.

The objectives for the project consisted of the establishment of three new prairies and the expansion of the riparian corridor along the west side of Paddys Run. Restoration work started in the fall of 2003 and was completed in the fall of 2005.

Fall 2003

- Installed Willey Road entrance and gravel pad.
- Installed a vernal pool at the base of the slope in the Willey Road field.
- Initiated planting in Willey Road field.
- Cleared honeysuckle on slopes in the Willey Road field and along Paddys Run.

Spring/Summer 2004

- Applied herbicide to Substation and Willey Road prairie areas.
- Broke drain tiles in A8PIII-North.

Fall 2004

- Applied second application of herbicide to Substation and Willey Road prairie areas.
- Improved access into substation prairie area and lower field.
- Installed deer enclosure fence in Substation area.
- Initiated planting in substation forest area.
- Seeded Substation and Willey Road prairie areas.

Spring/Summer 2005

- Installed deer enclosure fence in A8PIII-North beginning April 2005.
- Initiated planting in A8PIII-South (Willey Road and substation) in early April 2005.
- Initiated planting in A8PIII-North in late April 2005.
- Applied herbicide to grasses in A8PIII-North (both inside and outside the deer enclosure fence) beginning in May 2005. Herbicide was applied by employees of TruGreen Chemlawn. A second application was applied to the grasses outside of the deer enclosure fencing in June 2005.
- Completed planting in both A8PIII-North and South in June 2005.
- Seeded A8PIII-North prairie in June 2005.
- Cleared honeysuckle in both A8PIII-North and South in July and August 2005.

Fall 2005

- Planted seedlings in established planting areas.
- Installed access controls at the access points along Paddys Run Road.

Changes from original design

- Added vernal pool in Willey Road forest area.
- Shifted planting patches to expand riparian corridor.
- Added a planting patch to existing tree stand in substation prairie area.
- The substation area of A8PIII-South had already been planted with saplings, shrubs and seedlings in the fall of 2004. Planting in that area was to continue in the spring of 2005. However, the area was quite dense with new plantings from the fall. So, 289 of the 423 shrubs and saplings that were supposed to go in the substation were planted in the lower field of the Ecological Restoration Park (Area 8, Phase I) to expand and enhance the riparian corridor in that area.
- The plans for A8PIII-North originally show Patch 5 to be right along the existing tree line of the riparian corridor. However, access to Paddys Run was going to be necessary for construction purposes after planting was completed, so the patch was moved to the west, to allow a corridor for access to Paddys Run.

Mortality counts for the project area will be conducted next spring/summer (2006). Although all requirements of the Natural Resource Restoration Design Plan are complete, Fluor Fernald will continue to conduct necessary maintenance in this area until Site Closure.

Any questions on this matter should be directed to Eric Woods at (513) 478-1547.

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:EW:LM:jkp
Enclosure

c: With Enclosure

Helen Bilson, MS 1
Jyh-Dong Chiou, MS 88
Joe Desormeau, DOE-OH/FCP
John J. Homer, MS 90
Gregg Johnson, MS 60
Frank Johnston, MS 12
Uday Kumthekar, MS 88
Lisa McHenry, MS 90
Frank L. Miller, MS 88
Dan Powell, MS 64
Gary Stegner, DOE-OH
Harold Swiger, MS 90
W. Eric Woods, MS 90
DOE Records Center
File Record Subject - Area 8, Phase III (Paddys Run West) NRRDP
Letter Log Copy, MS 1
Project Number 21110.2.22
Administrative Record, MS 6

Without Enclosure

John S. Brown, DOE/EMCBC
Christina Carr, DOE-OH/FCP
Barry E. Kain, DOE Contracting Officer, DOE/EMCBC
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS 1

Figure 1

Waste Pits Area / Paddys Run Completion Report
Natural Resource Restoration Project

JULY 24, 2006 PHOTO



LEGEND

- DEER EXCLOSURE FENCING
- ⊙ WILDLIFE BOX
- ⊠ RAPTOR PLATFORM
- ⊙ BAT BOX

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

006221

FLUOR

October 23, 2006

Fernald Closure Project
Letter No. C:BSOP(CA/PC):2006-0065

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, PADDYS RUN DECLARATION AREA**

As contemplated by Contract Clause F.6, Declaration of Site Closure, Fluor Fernald, Inc. (Fluor Fernald) hereby provides Preliminary Declaration of Work Completion for the Paddys Run Declaration Area 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; and
- 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:

PADDYS RUN DECLARATION AREA – GEOGRAPHICAL REMEDIATION AREAS		
D&D Area/Sub-Areas	Soils Remediation Area/Sub-Areas	Natural Resource Restoration Area/Sub-Areas
Paddys Run	Stream Corridors, Paddys Run and Pilot Plant Drainage Ditch	Waste Pit Area and Paddys Run Area 8 Phase III Paddys Run West

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 the Paddys Run Declaration Area.
- Paddys Run Declaration Area – DOE Walkdown Update, Rev. 2
- The Declaration Area Map of the walk-down of the area

Soils Remediation:

- Interim Checklist – C.1.1.5 for the Paddys Run Declaration Area: 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.
- Figure 1-1, "Paddys Run and Pilot Plant Drainage Ditch Area Location Map" from the "Certification Report for Stream Corridors, Paddys Run, and Pilot Plant Drainage Ditch (20820-RP-0003, October 2006)".

Natural Resource Restoration:

- Interim Checklist – C.1.1.8 for the Paddys Run Declaration Area: Attached to the Checklist is the DOE transmittal of the "Statement of Completion for the Waste Pits Area and Paddys Run Natural Resource Restoration Project" (DOE Letter DOE-0203-06) and the revised "Statement of Completion for the Area 8 Phase III (Paddys Run West) Natural Resource Restoration Project" (DOE Letter DOE-0051-06).
- Lidar Photo Maps (Figures 1 and 2) of the "Waste Pit Area/Paddys Run Completion Report Natural Resource Restoration Project"
- Lidar Photo Maps (Paddys Run West/A8P3-North and Paddys Run West/A8P3-South) from the "Statement of Completion for the Area 8 Phase III (Paddys Run West) Natural Resource Restoration Project"

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
Frank L. Johnston, MS 12
Johnny W. Reising, DOE-OH/FCP, MS 2
Tammy L. Terry, MS 1
Letter Log Copy, MS 1
File Record Subject: Preliminary Declaration of Work Completion,
Paddys Run Declaration Area

Without Enclosures:

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

Interim Declaration Checklist – C.1.1.8

Area Verification of Natural Resource Restoration Activities Completion

Date: 10/17/06

DOE Signature: Johnny Rousis 10/17/06

Fluor Fernald Signature: Frank Albertini

Remediation Area Evaluated:		
Criteria	Fluor Fernald Verified (Y/N)	DOE CO Concur (Y/N)
Restoration Grading is Completed	Y <i>FR</i>	Y <i>FR</i>
Planting is Completed - <i>need check of how area again</i>	Y <i>FR</i>	Y <i>FR</i>
Completion Report is Issued - <i>2 different Reports</i>	Y <i>FR</i>	Y <i>FR</i>

Documents & Letters Supporting Completion Declaration:

Document	Approval Date
① Waste Pits Area and Paddys Run Natural Resource Restoration Project	
② Area 8 Phase III Paddys Run West	



Department of Energy

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



SEP 25 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-0203-06

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:

TRANSMITTAL OF STATEMENT OF COMPLETION FOR THE WASTE PITS AREA AND PADDYS RUN NATURAL RESOURCE RESTORATION PROJECT

This letter documents completion of the Waste Pits Area and Paddys Run Restoration Project at the Fernald Closure Project. The project is divided into two areas: the Waste Pits Area Project, which encompasses approximately 39 acres in the northwest corner of the Former Production Area and additional acreage along Paddys Run, and the Paddys Run Project, which includes work in various sections along Paddys Run from the Waste Pits Area to the Southern Waste Units.

The objectives for the Waste Pits Area Project included the establishment of additional wetlands and ponds, expansion of the Paddys Run floodplain and the enhancement of the riparian corridor along Paddys Run. Surrounding areas were to be seeded as prairie, which would be contiguous with the prairies established in the Former Production Area. Restoration work in spring 2006 and was completed in summer 2006.

The Objectives for the Paddys Run Project included the expansion of the floodplain in two areas (one near the Waste Pits and one near the Silos), and the installation of gradient control structures to reduce the rate of down cutting in the streambed. The floodplain expansion and the gradient control structure installation were designed to increase the stream stability and quality.

Some sections of Paddys Run were restored earlier. The former Paddys Run streambed within the Oxbow Area was re-connected to the present day channel in 2005. Floodplain expansion also occurred in 2002 as part of the Southern Waste Units restoration effort.

This completion report discusses the activities as described in the Waste Pits Area and Paddys Run Natural Resource Restoration Design Plan. The sequence of restoration activities is as follows:

Spring 2006:

- Initiated Waste Pits Area grading
- Planted trees and shrubs within the expanded Paddys Run riparian corridor adjacent to the Waste Pits Area

Summer 2006:

- Completed the Waste Pits area grading
- Constructed a cross-vane grade control structure in Paddys Run west of the Waste Pits
- Expanded the Paddys Run floodplain by removing the berm west of the Waste Pits, thereby re-connecting Paddys Run with its former steam channel
- Incorporated soil amendments and seeded the Waste Pits Area
- Planted tree and shrub patches in the Waste Pits Area
- Installed erosion matting and culverts in spillways where necessary
- Constructed two Newbury Riffle grade control structures in Paddys Run at locations down stream of the Waste Pits
- Installed wildlife amenities across the Waste Pits Area

Deviations from the original design:

- Enhanced the grading design in order to maximize wetland and floodplain acreage across the Waste Pits Area. Enhancements included placing clean ballast and fill in former Pits 5 and 6 in order to make the basins more shallow; creating a shallow marsh east of former Pit 1; and lowering the Paddys Run inlet elevation in order to increase the frequency of floods into the Waste Pits expanded floodplain.
- Replaced the designed culvert between Pit 5 and Pit 3 with a coir-mat spillway.
- Revised the Paddys Run grade control design at the downstream location by converting the Oxbow Area access crossing into a Newbury Riffle.
- Revised the Silos Area Newbury Riffle to account for slope protection along the excavated east bank behind the Silos 1 and 2 footprints.
- Conducted slope stabilization and re-seeding at the Oxbow Area contaminated excavation.
- Enhanced the types of wildlife amenities within the Waste Pits Area to include several raptor platforms and bat boxes.

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

-3-

DOE-0203-06

Mortality counts and herbaceous cover estimates for the project areas will be conducted in 2007. Attached please find two annotated aerial photos. The DOE Office of Legacy Management will ensure the necessary maintenance and monitoring in this area following Site Closure.

Sincerely,



Johnny W. Reising
Director

Enclosure: As Stated

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

cc w/o enclosure:

R. Abitz, Fluor Fernald, Inc./MS88
J. Chiou, Fluor Fernald, Inc./MS88
J. Homer, Fluor Fernald, Inc./MS90
F. Johnston, Fluor Fernald, Inc./MS12
P. Mohr, Fluor Fernald, Inc./MS1
C. Murphy, Fluor Fernald, Inc./MS1
T. Terry, Fluor Fernald, Inc./MS1

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

FLUOR

September 21, 2006

Fernald Closure Project
Letter No. C:CPD:2006-0192

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 STATEMENT OF COMPLETION
FOR THE WASTE PITS AREA AND PADDYS RUN NATURAL RESOURCE RESTORATION
PROJECT**

This letter documents completion of the Waste Pits Area and Paddys Run Restoration Project at the Fernald Closure Project. The project is divided into two areas, the Waste Pits Area project, which encompasses approximately 39 acres in the northwest corner of the Former Production Area and additional acreage along Paddys Run, and the Paddys Run project, which includes work in various sections along Paddys Run from the Waste Pits Area to the Southern Waste Units.

The objectives for the Waste Pits Area project included the establishment of additional wetlands and ponds, expansion of the Paddys Run floodplain and the enhancement of the riparian corridor along Paddys Run. Surrounding areas were to be seeded as prairie, which would be contiguous with the prairies established in the Former Production Area. Restoration work started in spring 2006 and was completed in summer 2006.

The Objectives for the Paddys Run project included the expansion of the floodplain in two areas (one near the Waste Pits and one near the Silos), and the installation of gradient control structures to reduce the rate of down cutting in the streambed. The floodplain expansion and the gradient control structure installation were designed to increase the stream stability and quality. Some sections of Paddys Run were restored earlier. The former Paddys Run streambed within the Oxbow Area was re-connected to the present day channel in 2005. Floodplain expansion also occurred in 2002 as part of the Southern Waste Units restoration effort.

This completion report discusses the activities as described in the Waste Pits Area and Paddys Run Natural Resource Restoration Design Plan. The sequence of restoration activities is as follows:

Spring 2006:

- Initiated Waste Pits Area grading
- Planted trees and shrubs within the expanded Paddys Run riparian corridor adjacent to the Waste Pits Area

Summer 2006:

- Completed the Waste Pits area grading
- Constructed a cross-vane grade control structure in Paddys run west of the Waste Pits
- Expanded the Paddys Run floodplain by removing the berm west of the Waste Pits thereby re-connecting Paddys Run with its former steam channel
- Incorporated soil amendments and seeded the Waste Pits Area
- Planted tree and shrub patches in the Waste Pits Area
- Installed erosion matting and culverts in spillways where necessary
- Constructed two Newbury Riffle grade control structures in Paddys Run at locations down stream of the Waste Pits
- Installed wildlife amenities across the Waste Pits area

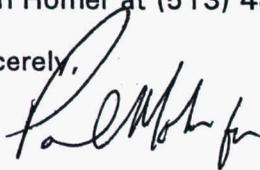
Deviations from the original design:

- Enhanced the grading design in order to maximize wetland and floodplain acreage across the Waste Pits area. Enhancements included placing clean ballast and fill in former Pits 5 and 6 in order to make the basins more shallow; creating a shallow marsh east of former pit 1, and lowering the Paddys Run inlet elevation in order to increase the frequency of floods into the Waste Pits expanded floodplain.
- Replaced the designed culvert between Pit 5 and Pit 3 with a coir-mat spillway.
- Revised the Paddys Run grade control design at the downstream location by converting the Oxbow Area access crossing into a Newbury Riffle.
- Revised the Silos Area Newbury Riffle to account for slope protection along the excavated east bank behind the Silos 1 and 2 footprints.
- Conducted slope stabilization and re-seeding at the Oxbow Area contaminated excavation.
- Enhanced the types of wildlife amenities within the Waste Pits Area to include several raptor platforms and bat boxes.

Mortality counts and herbaceous cover estimates for the project areas will be conducted in 2007. Attached please find two annotated aerial photos. The DOE Office of Legacy Management will ensure the necessary maintenance and monitoring in this area following Site Closure.

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

Sincerely,



Cornelius M. Murphy
Closure Project Director

CMM:JDC:LM:ldt
Enclosure

c: With Enclosure

Joe Desormeau, DOE-OH/FCP, MS2
John J. Homer, MS12
Frank Johnston, MS 12
Timothy L. Jones, DOE Contracting Officer, DOE/EMCBC
Lisa McHenry, MS12
Gary Stegner, DOE-OH
Harold Swiger, MS12
Tammy Terry, MS1
DOE Records Center
File Record Subject – Waste Pits & Paddys Run
Project Number 20911.2.22 & 20611.2.22
Letter Log Copy, MS1
Administrative Record (2 w/enclosure), MS6

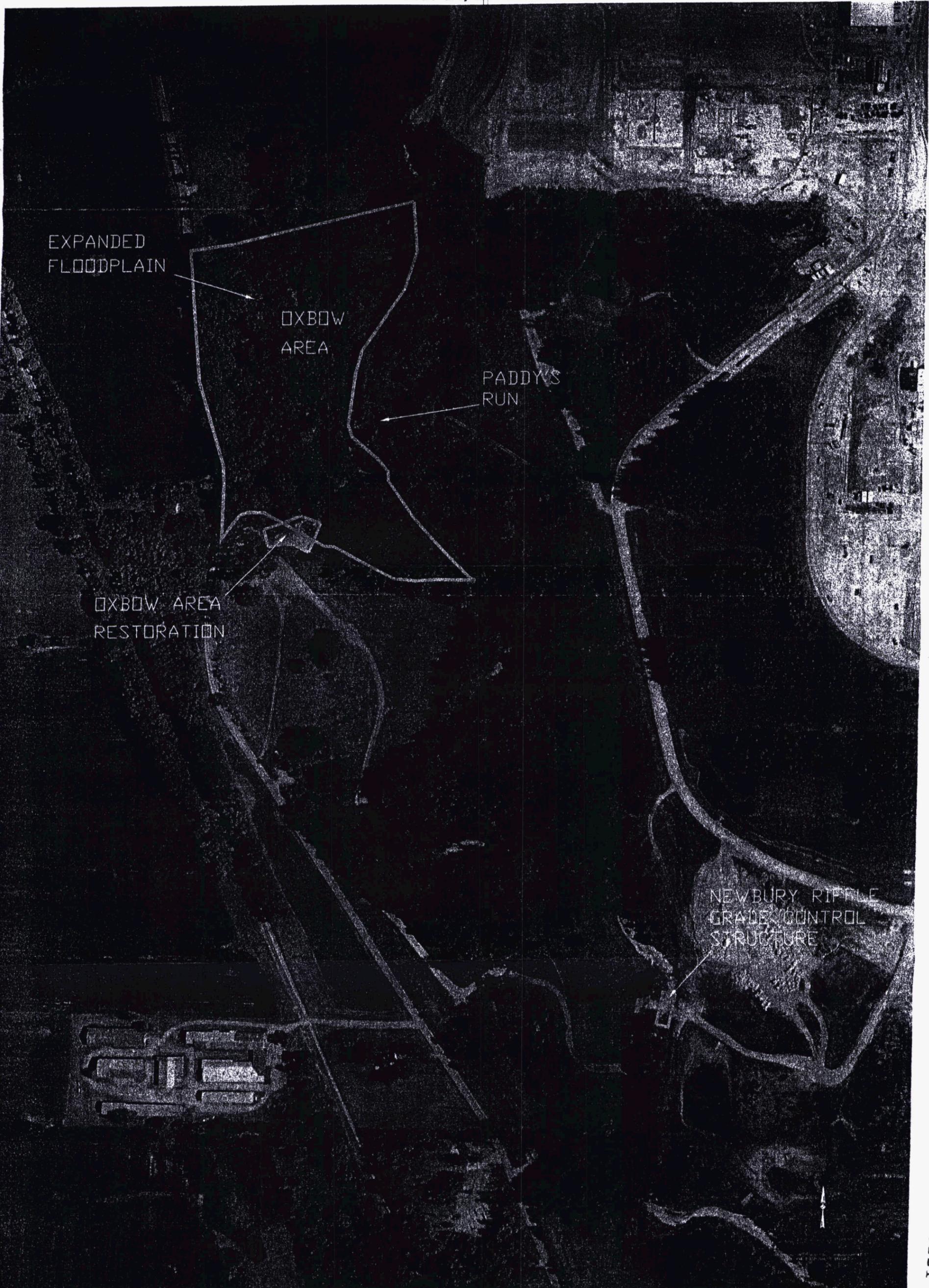
Without Enclosure

Rich Abitz, MS88
Jyh-Dong Chiou, MS88
Reinhard Friske, MS90
Uday A. Kumthekar, MS88
Donna Metzler, Stoller, MS2
Frank L. Miller, MS60
Garner Powell, MS60
Dennis Sizemore, Fluor Fernald, Inc. Prime Contract, MS1

FIGURE 2

Waste Pits Area / Paddys Run Completion Report
Natural Resource Restoration Project

JULY 24, 2006 PHOTO



006221

DA8P1

DA1P11

6 PHASE 1

PADDYS RUN

CA6111

DA8P111N

DA7(1)

DA7(2)

(D)PADDYS RUN

DA7(3)

DA2
P11

DA7(6)

DA8P1

DA8P111S

DA2P1

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