



## Department of Energy

Portsmouth/Paducah Project Office  
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OCT 30 2006

Mr. R. Bruce Scott, Director  
Division of Waste Management  
Kentucky Department for Environmental Protection  
14 Reilly Road  
Frankfort Office Park  
Frankfort, Kentucky 40601

PPPO-02-162-07

Mr. David G. Williams  
United States Environmental Protection Agency  
Region IV  
DOE Remedial Section  
Federal Facilities Branch  
Waste Management Division  
61 Forsyth Street  
Atlanta, Georgia 30303

Dear Mr. Scott and Mr. Williams:

**UNITED STATES DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION  
PLANT FEDERAL FACILITY AGREEMENT SEMIANNUAL PROGRESS REPORT  
FOR THE SECOND HALF OF FISCAL YEAR 2006, PADUCAH, KENTUCKY,  
PERMIT NUMBER KY8-890-008-982**

In accordance with Condition XXIII of the Federal Facility Agreement, copies of the subject document are enclosed. This report also serves to satisfy semi-annual reporting requirements set forth in Part IV of the Resource Conservation and Recovery Act Permit.

If you have any questions or require additional information, please call David Dollins at (270) 441-6819.

Sincerely,

A handwritten signature in black ink, appearing to read "W. Murphie", is written over a faint, larger signature.

William E. Murphie  
Manager

Portsmouth/Paducah Project Office

Enclosure:  
FFA Semiannual Progress Report for Second Half of FY06

cc w/ enclosure:

J. Hornback, KDEP/Frankfort  
J. Maybriar, KDEP/Frankfort  
J. Wilson, KDEP/Frankfort  
D. Vaughn-Wright, EPA/Atlanta

cc w/out enclosure:

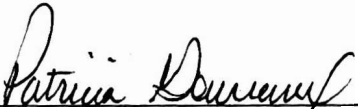
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J. Morgan, PRS/Kevil  
M. Redfield, RSI/Kevil  
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## CERTIFICATION

**Document Identification:**      **Federal Facility Agreement Semiannual Progress Report  
Second Half Fiscal Year 2006 (DOE/LX/07-0008)  
Paducah Gaseous Diffusion Plant,  
Paducah, Kentucky**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Paducah Remediation Services LLC  
Co-Operator


  
\_\_\_\_\_  
Patricia Gourieux, Manager

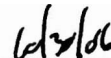
  
\_\_\_\_\_

Date Signed

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

U.S. Department of Energy (DOE)  
Owner and Operator

  
\_\_\_\_\_  
William E. Murphie, Manager

  
\_\_\_\_\_

Date Signed

**U.S. Department Of Energy  
Paducah Gaseous Diffusion Plant  
Federal Facility Agreement  
Semiannual Progress Report For The  
Second Half of Fiscal Year 2006  
Paducah, Kentucky**



**October 2006**

**This Document is approved for public release per review by:**

*M. Brennan* OCT 23 06  
\_\_\_\_\_  
PRS Classification & Information Officer Date

DOE/LX/07-0008

**U.S. Department Of Energy  
Paducah Gaseous Diffusion Plant  
Federal Facility Agreement  
Semiannual Progress Report For The  
Second Half of Fiscal Year 2006  
Paducah, Kentucky**

Prepared for the  
U.S. DEPARTMENT OF ENERGY  
Office of Environmental Management

Prepared by  
PADUCAH REMEDIATION SERVICES, LLC  
managing the  
Environmental Management Activities at the  
Paducah Gaseous Diffusion Plant  
under contract DE-AC30-06EW05001

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7

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8

# CONTENTS

FIGURES.....	v
ACRONYMS.....	vii
INTRODUCTION .....	1
DECONTAMINATION AND DECOMMISSIONING (D&D) OPERABLE UNIT (OU).....	3
GROUNDWATER OPERABLE UNIT (GWOU).....	7
SCRAP METAL REMOVAL .....	11
SOILS OPERABLE UNIT (SOU).....	13
SURFACE WATER OPERABLE UNIT (SWOU).....	15
NORTH-SOUTH DIVERSION DITCH (NSDD).....	17
INSTITUTIONAL CONTROLS (IC) FOR SURFACE WATER.....	19
SCRAPYARDS INTERIM CORRECTIVE MEASURES (ICM).....	21
WAGs 1 AND 7 [C-746-K LANDFILL, TRICHLOROETHENE (TCE) SPILL SITES, USTs, AND KENTUCKY ORDNANCE WORKS SITES].....	23
WAG 15 SITE EVALUATION.....	25
BURIAL GROUNDS OU (BGOU).....	27
NORTHEAST PLUME INTERIM REMEDIAL ACTION (IRA) .....	29
NORTHWEST PLUME IRA .....	33
APPENDIX A     NORTHEAST/NORTHWEST PLUME WATER WITHDRAWAL REPORTS... A-1	
APPENDIX B     FIGURES 1 THROUGH 7..... B-1	
APPENDIX C     C-746-K LANDFILL DATA..... C-1	
APPENDIX D     ADMINISTRATIVE RECORD INDEX..... D-1	
APPENDIX E     PADUCAH REMEDIAL ACTION PROGRAM REGULATORY COMMITMENT TRACKING REPORT .....	E-1

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October 2006

UNCLASSIFIED  
10



## FIGURES

1.	Northeast Plume Containment System influent TCE concentration.....	B-3
2a.	Northeast Plume – TCE concentrations in downgradient wells.....	B-4
2b.	Northeast Plume – <sup>99</sup> Tc concentrations in downgradient wells .....	B-5
2c.	Northeast Plume – TCE concentrations in upgradient wells .....	B-6
2d.	Northeast Plume – <sup>99</sup> Tc concentrations in upgradient wells .....	B-7
3.	FFA Northeast Plume Groundwater Wells .....	B-8
4a.	Northwest Plume Groundwater System influent TCE concentrations.....	B-9
4b.	Northwest Plume Groundwater System effluent TCE concentrations.....	B-10
5a.	Northwest Plume Groundwater System influent <sup>99</sup> Tc activity .....	B-11
5b.	Northwest Plume Groundwater System effluent <sup>99</sup> Tc activity .....	B-12
6a.	Northwest Plume – South Well Field TCE concentrations.....	B-13
6b.	Northwest Plume – South Well Field <sup>99</sup> Tc concentrations .....	B-14
6c.	Northwest Plume – North Well Field TCE concentrations.....	B-15
6d.	Northwest Plume – North Well Field <sup>99</sup> Tc concentrations .....	B-16
7.	FFA Northwest Plume Groundwater Wells .....	B-17

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October 2006

UNCLASSIFIED

*10*

## ACRONYMS

BGOU	Burial Grounds Operable Unit
BJC	Bechtel Jacobs Company LLC
BRA	Baseline Risk Assessment
CAB	Citizens Advisory Board
D&D	Decontamination and Decommissioning
DMC	Document Management Center
DOE	U.S. Department of Energy
EE/CA	engineering evaluation/cost analysis
EMEF	Environmental Management and Enrichment Facilities
EPA	U.S. Environmental Protection Agency
EQ	Equilibration tank
FFA	Federal Facility Agreement
FS	feasibility study
FY	fiscal year
GMS	Groundwater Modeling System
GWOU	Groundwater Operable Unit
HDPE	high-density polyethylene
HF	hydrogen fluoride
IC	institutional control
ICM	interim corrective measures
IRA	interim remedial action
KDEP	Kentucky Department for Environmental Protection
KPDES	Kentucky Pollutant Discharge Elimination System
LUCIP	Land Use Control Implementation Plan
NEPCS	Northeast Plume Containment System
NSDD	North-South Diversion Ditch
NTS	Nevada Test Site
NW	northwest
NWPGS	Northwest Plume Groundwater System
O&M	operation and maintenance
OU	operable unit
PCB	polychlorinated biphenyl
pCi/L	picoCuries per liter
PGDP	Paducah Gaseous Diffusion Plant
ppb	parts per billion
PRAP	Proposed Remedial Action Plan
PRS	Paducah Remediation Services, LLC
RAWP	Remedial Action Work Plan
RDWP	Remedial Design Work Plan
RI	remedial investigation
RI/FS	remedial investigation/feasibility study
RL	reporting limit
ROD	Record of Decision
SI	Site Investigation
SOU	Soils Operable Unit
SWMU	solid waste management unit
SWOU	Surface Water Operable Unit
<sup>99</sup> Tc	technetium-99

TCE	trichloroethene
UF6	uranium hexafluoride
USEC	United States Enrichment Corporation
UST	underground storage tank
WAG	waste area group

# INTRODUCTION

## FEDERAL FACILITY AGREEMENT SEMIANNUAL REPORT SECOND HALF FISCAL YEAR (FY) 2006

**Facility: Paducah Gaseous Diffusion Plant (PGDP)**  
**Plant EPA I.D. No.: KY8-890-008-982**  
**Reporting Period: 4/01/2006 – 09/30/2006**

As specified by the Paducah Federal Facility Agreement (FFA) Section XXIII, the U.S. Department of Energy (DOE) has prepared this regulatory progress report that describes the remedial actions performed during the reporting period and presents the schedules<sup>1</sup> for the upcoming activities. Activities that have taken place after the reporting period closed are not included in this report.

Paducah Remediation Services LLC (PRS) became the DOE prime remediation contractor at the Paducah Site on April 24, 2006.

As required by the Paducah FFA (Section XXXII.F), updates to the Administrative Record index since the last progress report are included as Appendix D.

As part of the Progress Report requirements, the Paducah Remedial Action Program Regulatory Commitment Tracking Report is included as Appendix E. This tracking report is generated from the Primary/Secondary Document Tracking System that is utilized by the Paducah Site in accordance with Section XXIII of the FFA. This tracking report includes the regulatory-required documents; a listing of documents currently under review by the U.S. Environmental Protection Agency (EPA), Region 4 and/or Kentucky Department for Environmental Protection (KDEP); the status of existing documents; and historical information regarding past actions.

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<sup>1</sup> Schedules are included for information and planning purposes only; enforceable schedules are established in the FFA.

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October 2006

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16

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: Decontamination and Decommissioning (D&D) Operable Unit (OU)**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

- Completed paint removal and transfer for reuse of all 13 breached fluorine cells.
- Initiated recovery actions from the uranium hexafluoride (UF<sub>6</sub>) release that occurred in the C-410 Complex in March 2006, including identifying, marking, and protecting lines that contain potentially hazardous materials, retraining personnel on actions to take in event of a release, and planning for removal of hazardous material containing systems.
- Initiated asbestos abatement as a part of D&D activities in C-410 Complex.
- Initiated piping and equipment demolition in Sectors 2 and 3. Completed electrical switchgear and buss work removal for reuse in Sector 2.
- Transferred two Sealand containers of electrical copper buswork from the C-410 Complex for reuse.
- Completed infrastructure demolition in Sector 1 of the C-410 Complex.
- Continued packaging of stored materials in intermodal containers in the C-410 Complex for off-site disposition at EnergySolutions in Utah (formerly Envirocare of Utah). To date, have removed over 70,000 ft<sup>3</sup> of material and size reduced and packaged it into 60 Intermodals and Sealands for disposal.
- Disposed of 30 Intermodals (approximately 20,000 ft<sup>3</sup>) of low-level waste from the C-410 Complex at EnergySolutions. This material was generated during the packaging of loose material in the complex.
- Submitted and received approval on the D1 Removal Action Work Plan (RAWP) for the C-402 Limehouse demolition.
- Completed field work on the C-402 Limehouse demolition.
- Submitted the D1 RAWP for the C-405 Incinerator and C-746-A West End Smelter demolition to the State of Kentucky and EPA.
- Completed application of fixative on C-410 Building vent stacks and building metal surfaces.

**II. Schedules of activities to be performed during next reporting period (including projected work/ crucial phases of construction):**

- Continue asbestos abatement in C-410 Complex, Sectors 2 and 3.
- Initiate characterization, hazardous material removal, and piping removal for fluorine, hydrogen, hydrogen fluoride (HF), and UF6 containing systems in the C-410 Complex.
- Continue collection, sorting, and packaging of stored material inside C-410 Complex for disposition.
- Continue active D&D inside the C-410 Complex in Sectors 2 and 3.
- Receive approval of RAWP for the C-405 Contaminated Items Incinerator, and the C-746-A West End Smelter.
- Start fieldwork on the C-405 Incinerator demolition

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

The requirements and time schedules are being met, as agreed by DOE, Commonwealth of Kentucky, and EPA.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

Removal Action Work Plan for the C-405 Contaminated Items Incinerator and the C-746-A West End Smelter is under development.

**B) Due dates for completion of review/modification tasks:**

None.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

**VII. Summary of all contacts with local community, public interest groups, or state government:**

Routine meetings with the Citizens Advisory Board (CAB) were held. Monthly project status meetings with Commonwealth of Kentucky and EPA were held.



**VIII. Changes in relevant personnel:**

PRS Task Lead C-410 – Brad Montgomery

PRS Task Lead Inactive Facilities – Don Ulrich

PRS Project Manager – Butch Daniels

DOE Project Manager – Reinhard Knerr

**IX. Actual cost for Operation and Maintenance (O&M), if appropriate:**

None.

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20

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: Groundwater Operable Unit (GWOU)**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

**Groundwater C-400 Action Subproject – Electrical Resistance Heating Interim Remedial Action**

- Received approval of and implemented *Remedial Design Work Plan for the Interim Remedial Action for Volatile Organic Compound Contamination at the C-400 Cleaning Building (RDWP)*.
- Issued the D2 Land Use Control Implementation Plan (LUCIP).
- Conducted field work in accordance with the Remedial Design Support Investigation Characterization Plan
- Began development of the RAWP and the Remedial Design Report in accordance with the RDWP

**Groundwater Assessments Subproject – U.S. Army Corps of Engineers Groundwater Modeling System (GMS)**

- No activity during this reporting period.

**C-746-S&T and Solid Waste Management Unit (SWMU) 145 Landfills Site Investigation (SI) Subproject**

- No Activity during this reporting period. The project is complete.

**Southwest Groundwater Plume SI Subproject**

- Issued D2 SW Plume SI Report in May for approval by EPA and KY. Kentucky issued a letter of nonconcurrency in September for the D2 SI.
- Continued development of the Proposed Remedial Action Plan (PRAP) for the Southwest Plume sources in anticipation of submitting the D1 document during the next reporting period.

**II. Schedules of activities to be performed during the next reporting period (including projected work/ crucial phases of construction):**

- Receive EPA approval or comments on the D2 SW SI Report. Also resolve the dispute with Kentucky concerning the D2 SW SI as documented in their nonconcurrency letter.

- Resolve and incorporate regulator comments from D2 SI Report for the Southwest Plume and potentially issue the D2/R1 version of the document for approval.
- Complete the evaluation of results from the Remedial Design Support Investigation and incorporate findings into the Remedial Design Report and the RAWP.
- Issue the D1 RAWP and the D1 Remedial Design Report (90% design).
- Resolve and incorporate regulator comments from the D1 RAWP and the D1 Remedial Design Report (90% design) and issue the D2 versions of these documents.
- Complete installation of overhead/underground electrical feeder to supply future electrical needs of the C-400 Interim Remedial Action.
- Complete development of the D1 PRAP for the Southwest Plume sources and submit for stakeholder review and comment.
- Initiate development of the Record of Decision (ROD) for the Southwest Plume sources.

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

The requirements and time schedules are being met, as agreed by DOE, Commonwealth of Kentucky, and EPA.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

- D1 Remedial Design Report and the D1 RAWP for the C-400 Interim Remedial Action;
- D2 LUCIP for the C-400 Interim Remedial Action;
- D2 SI Report for the Southwest Groundwater Plume at the PGDP; and
- D1 PRAP for the Southwest Groundwater Plume Sources at the PGDP.

**B) Due dates for completion of review/modification tasks:**

- Approval or comment on the D2 SI Report for the Southwest Plume Groundwater Sources is expected to be completed 10/14/2006;
- Development of the D1 PRAP for the Southwest Groundwater Plume is expected to be complete on 10/14/2006;
- Approval of the D2 LUCIP for the C-400 Interim Remedial Action is expected to be complete by 12/08/06;

- Approval of the D2 RAWP for the C-400 Interim Remedial Action is expected to be complete by 02/28/07; and
- Approval of the D2 Remedial Design Report for the C-400 Interim Remedial Action is expected to be complete by 03/14/07.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

Comments resulting from the review of the D1 Southwest Plume SI Report have required the revision of degradation factors utilized in the supporting groundwater modeling. Also, the modification of these factors has required the groundwater modeling be performed again with the revised degradation factors. These factors have impacted the development and approval of the D2 Southwest Plume SI Report and subsequent supporting documents. Modifications to the development schedules have been coordinated through DOE correspondence.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

- Presentation of D2 SW Plume SI given to the CAB in June 2006.
- Monthly updates on the C-400 Interim Remedial Action are provided to the CAB.

**VIII. Changes in relevant personnel:**

PRS Task Lead GWOU – Bryan Clayton

PRS Task Lead C-400 – Mike Clark

PRS Project Manager – Joe Tarantino

DOE Project Manager – Dave Dollins

**IX. Actual cost for O&M, if appropriate:**

None.

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**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: Scrap Metal Removal**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

- Segregated, characterized, packaged, and shipped 8,155 net tons of northwest (NW) corner scrap metal EnergySolutions.
- Segregated, characterized, and packaged another 4,204 net tons on NW corner scrap.
- Segregated, characterized, packaged, and shipped last 58 net tons of D-Yard scrap metal to Nevada Test Site (NTS).
- Characterized packaged and shipped 712 net tons of D-Yard classified soils to NTS.

**II. Schedules of activities to be performed during the next reporting period (including projected work/ crucial phases of construction):**

- Continue sorting, size-reducing, packaging, and shipping of NW scrap metal waste for shipment to EnergySolutions.

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

The requirements and time schedules are being met, as agreed by DOE, Commonwealth of Kentucky, and EPA.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

None.

**B) Due dates for completion of review/modification tasks:**

None.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

None at this time; we expect to meet the schedule date for completion, June 2007.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

The PGDP CAB continues to receive in-depth monthly updates on the project. The CAB is comprised of a diverse group of individuals from the local community, as well as representatives of governing bodies and other groups potentially affected by cleanup decisions at the site.

**VIII. Changes in relevant personnel:**

PRS Task Lead – Chris Marshall

PRS Project Manager – Butch Daniels

DOE Project Manager – Reinhard Knerr

**IX. Actual cost for O&M, if appropriate:**

O&M should represent only craft labor to inspect, in-line monitor, and discharge the C 613 Basin, as well as any discrete maintenance repairs that may be required such as potential repairs of the high-density polyethylene (HDPE) basin liner or a pump. Actual costs are not available. Cost is estimated at approximately \$3,831.75.



**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: Soils Operable Unit (SOU)**

**I. Work performed during this reporting period (include summaries of findings and any deviations from the work plan):**

Preparing Removal Notification and Engineering Evaluation/Cost Analysis (EE/CA).

**II. Schedules of activities to be performed during the next reporting period (including projected work/crucial phases of construction):**

Issue Removal Notification and issue D1 EE/CA.

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

The requirements and time schedules are being met, as agreed by DOE, Commonwealth of Kentucky, and EPA.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

None.

**B) Due dates for completion of review/modification tasks:**

None.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

None.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

None.

**VIII. Changes in relevant personnel:**

PRS Task Lead – Kendall Holt

PRS Project Manager – Joe Tarantino

DOE Project Manager – Dave Dollins

**IX. Actual cost for O&M, if appropriate:**

None.

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR (FY) 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: Surface Water Operable Unit (SWOU) On-Site Investigation**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

The DO SWOU SI/Baseline Risk Assessment (BRA) Report has been completed. Currently responding to comments and preparing the D1 SWOU SI/BRA report for issuance to the state and EPA. A 60-day milestone extension request for submittal of the D1 SWOU SI/BRA report was submitted to the state and EPA. The request was granted and the milestone date for submittal of the D1 SWOU SI/BRA report has been modified to 10/15/2006.

At the request of the state and EPA, a technical Memorandum for Step 3 Storm Sewer Sampling was issued to the state and EPA in advance of the D1 SWOU SI/BRA report.

**II. Schedules of activities to be performed during the next reporting period (including projected work/crucial phases of construction):**

The SWOU SI/BRA report is scheduled to be submitted to the regulators by the FFA milestone date, 10/15/2006. (As of 9/30/2006, potential exists that an additional 30-day extension of the milestone may be required.)

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

The requirements and time schedules are being met, as agreed by DOE, Commonwealth of Kentucky, and EPA.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

D1 SWOU SI/BRA report.

**B) Due dates for completion of review/modification tasks:**

10/15/2006.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

None.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

Routine meetings with the CAB were held. Monthly project status meetings with Commonwealth of Kentucky and EPA were held.

**VIII. Changes in relevant personnel:**

PRS Task Lead – Jana White

PRS Project Manager – Joe Tarantino

DOE Project Manager – Dave Dollins

**IX. Actual cost for O&M, if appropriate:**

None.

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: North-South Diversion Ditch (NSDD)**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

Received approval on the Final D2 Remedial Action Completion Report from EPA Region 4 on 10/18/2005, from the Commonwealth of Kentucky on 12/8/2005.

Routine inspections and mowing (seasonal activity) have been implemented per the D2 O&M Plan for Sections 1 & 2 of the NSDD. Note: Sections 3, 4, & 5 of the NSDD currently are included under the SWOU On-site Investigation.

**II. Schedules of activities to be performed during the next reporting period (including projected work/crucial phases of construction):**

Scheduled activities include performing and documenting the inspections, and mowing and maintenance as identified in the O&M Plan for Sections 1 & 2 of the NSDD.

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

The requirements and time schedules are being met, as agreed by DOE, Commonwealth of Kentucky, and EPA.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

None.

**B) Due dates for completion of review/modification tasks:**

None.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

None.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

None.

**VIII. Changes in relevant personnel:**

PRS Task Lead – Craig Jones

PRS Project Manager – Tracey Brindley

DOE Project Manager – Dave Dollins

**IX. Actual Cost for O&M, if appropriate:**

Costs for maintenance of the NSDD are not tracked separately. Estimated annual cost of \$37,000 for the O&M has been provided in the final O&M Plan, DOE/OR/07-2057&D2.

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: Institutional Controls (IC) for Surface Water**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

During this reporting period, the monthly inspections of the IC locations were completed and filed in the PGDP Environmental Management and Enrichment Facilities (EMEF) Document Management Center (DMC).

**II. Schedules of activities to be performed during the next reporting period (including projected work/crucial phases of construction):**

Scheduled activities include maintenance activities, as required, and continuing the monthly inspections of the IC fences. This included vegetation control and replacement of one sign.

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

Monthly inspections of the IC locations are being made, and inspection reports are filed in the PGDP EMEF DMC.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

None.

**B) Due dates for completion of review/modification tasks:**

None.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

None.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

None.

**VIII. Changes in relevant personnel:**

PRS Task Lead – Craig Jones

PRS Project Manager – Tracey Brindley

DOE Project Manager – Dave Dollins

**IX. Actual cost for O&M, if appropriate:**

Costs for maintenance of the IC fences are not tracked separately. Estimated annual cost of \$57,100 for O&M has been provided in the revised O&M Plan.



**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: Scrapyards Interim Corrective Measures (ICM)**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

No activity occurred during the past six months.

**II. Schedules of activities to be performed during the next reporting period (including projected work/crucial phases of construction):**

This activity will be discontinued based on correspondence from DOE, July 14, 2003, stating that upon completion of the C-613 storm water collection basin. This activity no longer will be reported.

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

Not Applicable.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

None.

**B) Due dates for completion of review/modification tasks:**

None.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

None.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

None.

**VIII. Changes in relevant personnel:**

Not Applicable.

**IX. Actual cost for O&M, if appropriate:**

No cost is expected to be incurred, since maintenance has been suspended.

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: Waste Area Groups (WAGs) 1 and 7 [C-746-K Landfill, Trichloroethene (TCE) Spill Sites, Underground Storage Tanks (USTs), and Kentucky Ordnance Works Sites]**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

Surface water and groundwater monitoring continued around the C-746-K Landfill and in Bayou Creek, as required by the WAGs 1 and 7 ROD.

**II. Schedules of activities to be performed during the next reporting period (including projected work/crucial phases of construction):**

Surface water and groundwater monitoring will continue around the C-746-K Landfill and in Bayou Creek, as required by the ROD. This monitoring is conducted and reported in accordance with other PGDP programs, such as the Groundwater Protection Program, Environmental Monitoring Program, and Kentucky Pollutant Elimination Discharge System (KPDES) Permit.

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

The requirements and time schedules are being met, as agreed by DOE, Commonwealth of Kentucky, and EPA.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

None.

**B) Due dates for completion of review/modification tasks:**

None.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

None.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

None.

**VIII. Changes in relevant personnel:**

PRS Task Lead – Craig Jones

PRS Project Manager – Tracey Brindley

DOE Project Manager – Dave Dollins

**IX. Actual cost for O&M, if appropriate:**

Sampling of the surface water for the C-746-K Landfill has been incorporated into the Watershed Monitoring Program. O&M cost and will not be broken out separately.

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR (FY) 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: WAG 15 – Site Evaluation**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

Soils removed during closure of C-746-A1 (UST #5) that were in interim waste storage were disposed at NTS.

**II. Schedules of activities to be performed during the next reporting period (including projected work/crucial phases of construction):**

The required actions have been completed, this activity will no longer be reported.

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

Activities associated with this project are on schedule.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

None.

**B) Due dates for completion of review/modification tasks:**

None.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

None.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

None.

**VIII. Changes in relevant personnel:**

Not Applicable.

**IX. Actual cost for O&M, if appropriate:**

None.

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR (FY) 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/2006 – 09/30/2006**

**PROJECT: Burial Grounds Operable Unit (BGOU)**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

Held several discussions on the D2 Remedial Investigation/Feasibility Study (RI/FS) Work Plan with the regulators.

Issued D2 R1 RI/FS Work Plan to the regulators on August 28, 2006.

**II. Schedules of activities to be performed during the next reporting period (including projected work/crucial phases of construction):**

Receive regulatory approval of the D2 R1 RI/FS Work Plan.

Mobilize field work to implement the remedial investigation.

**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

The requirements and time schedules are being met, as agreed by DOE, Commonwealth of Kentucky, and EPA.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation during this reporting period:**

The D2 R1 RIFS Work Plan is under review with the regulators. (Note: Conditional concurrence was received October 6, 2006)

**B) Due dates for completion of review/modification tasks:**

Regulatory approval for the D2 R1 RIFS Work Plan is due October 2, 2006. (Note: Conditional concurrence was received October 6, 2006)

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

Discussions being held with regulators regarding polychlorinated biphenyls (PCB) sampling at BGOU SWMUs.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

None.

**VIII. Changes in relevant personnel:**

PRS Task Lead – Kendall Holt

PRS Project Manager – Joe Tarantino

DOE Project Manager – Jeff Snook

**IX. Actual cost for O&M, if appropriate:**

None.



**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR (FY) 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/06-9/30/06**

**PROJECT: Northeast Plume Interim Remedial Action (IRA)**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

The Northeast Plume Containment System (NEPCS) achieved an operational efficiency of 90.3% during the reporting period of April through October 2006. During this reporting period, the NEPCS treated 43,544,967 gallons of contaminated groundwater. The average system treatment rate for the reporting period was 165.2 gal/min and was calculated assuming 100% operational uptime. Operational efficiencies for April, May, June, July, August, and September were 70%, 90%, 96%, 98%, 100%, and 88%, respectively.

On April 21, 2006, following a request by the United States Enrichment Corporation (USEC), DOE discontinued use of the C-637 Cooling Towers and shut down the NEPCS. The USEC request was based on a concern regarding the presence of technetium-99 (<sup>99</sup>Tc) contained in the groundwater from the NEPCS that was being pumped to the USEC operated cooling tower system. After the shutdown, a preliminary radiological hazard assessment determined that the radiation dose received by a worker or public receptor from the <sup>99</sup>Tc contained in the cooling tower water was far below the limits established in Nuclear Regulatory Commission and DOE regulations. On May 3, 2006, after receiving approval from USEC to use the C-637 cooling towers for groundwater treatment, the NEPCS was returned to operation.

**A) Process Operations**

The NEPCS consists of two extraction wells, an underground equalization tank, transfer piping, a cooling tower for air stripping, and monitoring well network.

For a detailed description of the treatment system, refer to the *Operations and Maintenance Plan for the Northeast Plume Containment System Interim Remedial Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-1535&D3.

**B) Process Testing**

Operation of the NEPCS began February 28, 1997. As of September 30, 2006, the NEPCS has processed a total of 798,520,000 gallons of water. The monthly extraction volumes for April, May, June, July, August, and September are presented in Appendix A, Table 1, of this report. This table includes a summary of the extracted water volumes and average daily rates.

**C) NEPCS Influent, Effluent, and Extraction Well Testing**

Due to sample analysis time and the data assessment process, the analytical data included in this report lags operational data by three months. This report presents analytical data from January through June 2006.

Influent sample results, compared to the effluent (cooling tower shower) sample results, indicated that TCE was effectively removed below the operational goal of 5 parts per billion (ppb). The influent flow is a composite from two extraction wells. Influent TCE analytical data from the beginning of CY 2000 through the end of June 2006 are presented in Appendix B, Figure 1. Environmental samples were collected monthly from the treatment system influent and effluent for the period of January through June 2006. High, low, and average influent and effluent TCE concentrations for these months are presented in the following table. Values reported as less than the reporting limit (RL) of 1 ppb are considered to be 1 ppb for averaging and graphing purposes.

	TCE (ppb)		
	High	Low	Average
Influent	230	190	214
Effluent	<RL*	<RL*	1

\*<RL = less than the reporting limit

As presented in the previous table, the NEPCS continued to effectively remove TCE. The system operated with an average removal efficiency of 100% for TCE. All effluent TCE samples showed less than the RL.

The extraction wells were sampled quarterly during this reporting period. The results of the sampling showed no significant change in TCE levels since the last reporting period. Extraction well EW-331 had an average TCE concentration of 163 ppb, while EW-332 had an average concentration of 235 ppb.

<sup>99</sup>Tc concentrations in water samples collected from the equalization (EQ) tank did not exceed the data quality objective of 50 pCi/L. The highest reading from the EQ tank was 30.1 pCi/L.

**D) Maintenance Activities**

**Routine Maintenance Activities**

Daily, monthly, quarterly, and annual routine maintenance activities were conducted in accordance with the *Paducah Plume Operations Maintenance, Calibration, and Testing Plan at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, Revision 3, July 2005.

Instances of minor routine maintenance causing downtime occurred during the reporting period relating to power outages, routine maintenance, and calibration of system components. Other than the time period from April 21 through May 3, 2006, when the NEPCS was removed from operation as requested by USEC, no major periods of downtime occurred during this reporting period.

### **Nonroutine Maintenance Activities**

On September 22 at approximately 2200 hours thru September 26 at 0600 hrs, the Northeast Pump and Treat System was rendered inoperative when severe weather caused a power outage at the facility. The system was restarted when electrical service was restored by electrical provider.

### **E) Effectiveness Monitoring - Monitoring Well Results**

Groundwater monitoring wells in the vicinity of the extraction wells are sampled quarterly for radiological and volatile organic analysis. Figures 2a, 2b, 2c, 2d, and 2e included in Appendix B, show TCE concentrations and <sup>99</sup>Tc activities in monitoring wells downgradient and upgradient, and the extraction wells. Figure 3, included in Appendix B, shows locations of the monitoring wells and extraction wells.

MW292 is located approximately 1,200 ft upgradient of the pumping wells to provide an early detection point for <sup>99</sup>Tc migration. During the first and second quarters of 2006, <sup>99</sup>Tc activity at MW292 was 51.8 and 54.6 pCi/L, respectively.

### **F) Modification of the NEPCS Operations or Configuration**

No modifications were made to the NEPCS operation or configuration during the reporting period.

## **II. Schedule of activities during upcoming reporting period (including projected work/crucial phases of construction):**

The project team will continue to conduct and document the necessary tasks required for equipment maintenance, calibration, and operations.

## **III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Responsibility for the day-to-day operations of the NEPCS was assumed by PRS on April 24, 2006. Refer to Section VIII for the identity and assigned tasks to be performed for this project.

## **IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

The effluent concentration goal of 5 ppb for TCE was met during the reporting period. The NEPCS monitoring program is being evaluated to address the migration of <sup>99</sup>Tc. The NEPCS remained operational 90.3 % of the time during this reporting period.

## **V. Primary/Secondary Document Tracking System:**

### **A) Documents under review and/or preparation for this reporting period:**

The *Operations and Maintenance Plan for the Northeast Plume Containment System Interim Remedial Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-1535&D3, is being revised to reflect the PRS now operates the NEPCS.

### **B) Due dates for completion of review/modification tasks:**

Not applicable.

**VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**

No future operational problems or delays are anticipated at this time.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

None.

**VIII. Changes in relevant personnel:**

PRS Task Lead – Fraser Johnstone

PRS Project Manager – Joe Tarantino

DOE Project Manager – Dave Dollins

**IX. Actual cost for O&M, if appropriate:**

Actual costs for O&M of the Northwest/Northeast Plume facilities are tracked jointly. The total operating cost for this reporting period for the period between April 24, 2006, and August 27, 2006, was \$209K.

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR (FY) 2006**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/01/06 – 9/30/06**

**PROJECT: Northwest Plume IRA**

**I. Work performed during the reporting period (include summaries of findings and any deviations from the work plan):**

During this reporting period, the Northwest Plume Groundwater System (NWPGS) treated 43,955,207 gallons of contaminated groundwater with an average monthly operational efficiency of 81.2%. The average system treatment rate for the reporting period was 166.8 gal/min and was calculated assuming 100% operational uptime. Operational efficiencies for April, May, June, July, August, and September 2006 were 61%, 100%, 100%, 67%, 65%, and 94%, respectively.

Reduced operational efficiency during April 2006 was due to a power outage at the NWPGS facility and a delay in the restart of the system until procedures were in place to support the transition of operational control from BJC to PRS. Reduced operational efficiency during July 2006 was due to difficulties with the effluent online TCE analyzer. The NWPGS system was shut down on July 21 and restarted on August 4, 2006, with approval from Kentucky Division of Waste Management and DOE personnel. The TCE analyzer was repaired by a factory representative on August 8. Reduced operational efficiency during August also was impacted when the NWPGS was shut down to replace the motor and pump from extraction well EW230. The NWPGS was shut down because the volume of water provided by EW230 could not be made up by the remaining three (3) extraction wells, and alarm systems in the NWPGS would have been activated continuously. Refer to Section E, Nonroutine Maintenance Activities for additional details.

**A) Process Operations**

The NWPGS consists of two extraction well fields (each field has two extraction wells) for a total of four wells, underground pipeline, treatment facility, and monitoring well network.

For a detailed description of the treatment system, refer to the *Operations and Maintenance Plan for the Northwest Plume Groundwater System Interim Remedial Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, DOE/OR/07-1253&D4*.

**B) Process Testing**

Operation of the NWPGS began on August 28, 1995. As of September 30, 2006, the NWPGS has processed a total of 1,123,000,000 gallons of water. The monthly extraction volumes for April, May, June, July, August, and September 2006 are presented in Appendix A, Table 2 of this report. This table includes a summary of the extracted water volumes and average daily rates.

**C) NWPGS Influent, Effluent, and Extraction Well Testing**

Due to sample analysis time and the data assessment process, the analytical data included in this report lags operational data by three months. This report presents analytical data from January through June 2006.

The influent sample results, compared to the NWPGS effluent results, indicated that the NWPGS continues to effectively remove TCE and <sup>99</sup>Tc. Influent and effluent TCE and <sup>99</sup>Tc analytical data from January through June 2006 are presented in Appendix B on Figures 4a, 4b, 5a, and 5b, respectively.

TCE values reported as less than the RL of 1 ppb are considered to be 1 ppb for averaging and graphing purposes. High, low, and average influent and effluent TCE and <sup>99</sup>Tc concentrations from January through June 2006 are presented in the following table.

	TCE (ppb)			<sup>99</sup> Tc (pCi/L)		
	High	Low	Average	High	Low	Average
Influent	2500	940	1375	414	33	236
Effluent	4.0	1.1	2.0	28.2	-54.4	3.6

The treatment system influent, a composite from four extraction wells, was sampled weekly and the effluent was sampled daily during this reporting period. As presented in the previous table, the NWPGS continued to effectively remove TCE and <sup>99</sup>Tc. The system operated with an average removal efficiency of 99.9% for TCE and 98.5% for <sup>99</sup>Tc.

The average TCE effluent concentration for this reporting period was 2.0 ppb, which is less than the treatment goal of 5 ppb and the KPDES Outfall 001 TCE permit limit of 81 ppb. The average <sup>99</sup>Tc effluent value was 3.6 pCi/L, which is less than the operational goal of 900 pCi/L, during the reporting period.

NWPGS extraction wells were sampled quarterly during the period January through June 2006. High, low, and average sample results for this reporting period at the extraction wells are shown below.

	TCE (ppb)			<sup>99</sup> Tc (pCi/L)		
	High	Low	Average	High	Low	Average
EW-228	21	11	16	12.5	9.4	11
EW-229	45	11	33	28.3	8.3	18.9
EW-230	5400	2600	3566	871	511	644
EW-231	240	110	175	72	23.8	47.9

**D) Treatment Media**

**Ion Exchange Resins**

The NWPGS is equipped with four ion exchange columns used for the removal of <sup>99</sup>Tc. Purolite A-520-E resin is used in the columns, which are arranged in a lead/lag configuration on two parallel skids. No resin changes were required during the reporting period.

**Activated Carbon Media**

The NWPGS is equipped with two carbon columns containing granular, activated carbon for adsorption of volatile organic compounds from the vapor-phase effluent of the air stripper unit. The carbon is replaced in each column twice a year. The carbon in both columns was replaced on September 27, 2006, with recycled carbon. The current stock of recycled carbon and future utilization of recycling technology will provide an adequate supply of carbon throughout 2007. The next carbon change is scheduled for March 2007.

**E) Maintenance Activities**

**Routine Maintenance Activities**

Daily, monthly, quarterly, and annual routine maintenance activities were conducted in accordance with the *Paducah Plume Operations Maintenance, Calibration, and Testing Plan at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Revision 3, July 2005 (Maintenance and Calibration Plan)*.

Instances of minor downtime occurred during the reporting period relating to power outages, maintenance, and calibration of the system.

### **Nonroutine Maintenance Activities**

The following is a list of nonroutine maintenance activities conducted at the NWPGS during the reporting period.

- A power outage occurred at the NWPGS on April 16, 2006. The NWPGS was restarted on April 28, 2006, after power was returned to the C-612 facility and PRS procedures were in place to support the transition of operational control from BJC.
- The NWPGS system was shut down on July 21, 2006, due to operational problems associated with the effluent TCE online analyzer. The system was restarted on August 4, 2006, with approval from KDWM and DOE personnel. The TCE analyzer was repaired by a factory representative and returned to service on August 8, 2006.
- The NWPGS was shut down on August 23, 2006, when extraction well EW230 became inoperable due to a faulty pump motor. Because the volume of water provided by EW230 could not be made up by the remaining three (3) extraction wells and alarm systems in the NWPGS would have been continuously activated, the NWPGS was taken off-line. The motor and pump for EW230 was replaced on August 30, 2006, and the system restarted.
- Leak detectors in manholes 2, 4, 5, 7, 8, and 9 have been repaired during this reporting period. Replacement of leak detector circuit board or the fuse in the control panel have corrected the problems.

### **F) Effectiveness Monitoring - Monitoring Well Results**

Groundwater monitoring wells in the vicinity of the extraction wells are sampled quarterly for radiological and volatile organic analysis. Figures 6a, 6b, 6c, 6d, and 6e included in Appendix B, show TCE concentrations and <sup>99</sup>Tc activities in monitoring wells at the South and North Fields of the Northwest Plume and the extraction wells, respectively. These graphs show all data since monitoring began in 1995 and indicate the position of the monitoring wells relative to the extraction. Figure 7, included in Appendix B, shows locations of the monitoring wells and extraction wells.

### **G) Modification of the NWPGS Operations or Configuration**

None.

## **II. Schedules of activities during upcoming reporting period (including projected work/crucial phases of construction):**

The project team will continue to conduct and document the necessary tasks required for equipment maintenance, calibration, and operations.



**III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**

Responsibility for the day-to-day operations of the NEPCS was assumed by PRS on April 24, 2006. Refer to Section VIII for the identity and assigned tasks to be performed for this project.

**IV. Statement of the manner and extent to which the requirements and time schedules are being met:**

The average NWPGS water effluent concentrations met the operational goals of 5 ppb for TCE and 900 pCi/L for <sup>99</sup>Tc during the reporting period. The NWPGS has remained operational 81.2% of the time during this reporting period.

**V. Primary/Secondary Document Tracking System:**

**A) Documents under review and/or preparation for this reporting period:**

The *Operations and Maintenance Plan for the Northwest Plume Groundwater System Interim Remedial Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-1253&D4 is being revised to reflect that PRS now operates the NWPGS.

**B) Due dates for completion of review/modification tasks:**

Not applicable.

**VI. Anticipated problems/delays (provide summary of problems, schedule, and reason for delay, and actions taken to prevent or mitigate delay):**

No future operational problems or delays are anticipated at this time.

**VII. Summary of all contacts with local community, public interest groups, or state government:**

The *Water Withdrawal Reports* for April, May, June, July, August, and September 2006 were submitted in their respective months to the Kentucky Division of Water.

**VIII. Changes in relevant personnel:**

PRS Task Lead – Fraser Johnstone

PRS Project Manager – Joe Tarantino

DOE Project Manager – Dave Dollins

**IX. Actual cost for O&M, if appropriate:**

Actual costs for O&M of the Northwest/Northeast Plume facilities are tracked jointly. The total operating cost for this reporting period for the period between April 24, 2006, and August 27, 2006, was \$209K.

**APPENDIX A  
NORTHEAST AND NORTHWEST PLUME  
WATER WITHDRAWAL REPORTS**

October 2006

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53

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October 2006

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54

**TABLE 2. NORTHWEST PLUME GROUNDWATER SYSTEM  
WATER WITHDRAWAL REPORTING FORM**

Day	April 2006	May 2006	June 2006	July 2006	August 2006	September 2006
1	303,327	330,270	235,430	285,236	0	
2	303,327	282,640	304,800	285,236	0	
3	323,780	327,680	304,800	285,236	0	
4	288,630	303,830	304,800	285,236	269,990	
5	291,150	288,853	308,480	281,070	269,990	
6	304,480	288,853	297,740	295,110	269,990	
7	300,077	288,853	368,220	290,823	293,030	
8	300,077	343,200	244,150	290,823	304,510	
9	300,077	267,350	303,250	290,823	284,380	
10	322,365	330,950	303,250	305,800	300,390	
11	280,445	311,560	303,250	281,240	307,430	
12	305,920	293,030	307,750	302,130	307,430	
13	301,960	293,030	296,130	305,080	307,430	
14	301,970	293,030	306,160	304,657	339,550	
15	301,970	277,810	304,480	304,657	260,580	
16	244,596	314,860	304,940	304,657	332,990	
17	0	339,670	304,940	348,750	253,400	
18	0	235,100	304,940	274,990	301,490	
19	0	319,773	306,060	334,710	301,490	
20	0	319,773	297,630	267,810	301,490	
21	0	319,773	351,110	138,240	298,850	
22	0	339,430	262,530	0	276,120	
23	0	292,380	305,700	0	125,740	
24	0	328,820	305,700	0	0	
25	0	251,640	305,700	0	0	
26	0	193,935	269,300	0	0	
27	0	193,935	287,570	0	0	
28	108,709	193,935	336,400	0	0	
29	301,970	193,935	224,440	0	0	
30	301,970	301,270	285,236	0	238,110	
31	n/a	316,270	n/a	0	299,180	n/a
Monthly Total	5,486,800	8,975,440	8,944,886	6,062,314	6,243,560	0
*Daily Average	288,779	289,530	298,163	288,682	283,798	0
Days water pumped	19	31	30	21	22	29

55  
A-3

\*Value based on number of days water was pumped.

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October 2006

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56

**APPENDIX B**  
**FIGURES 1 THROUGH 7**

October 2006

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57

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October 2006

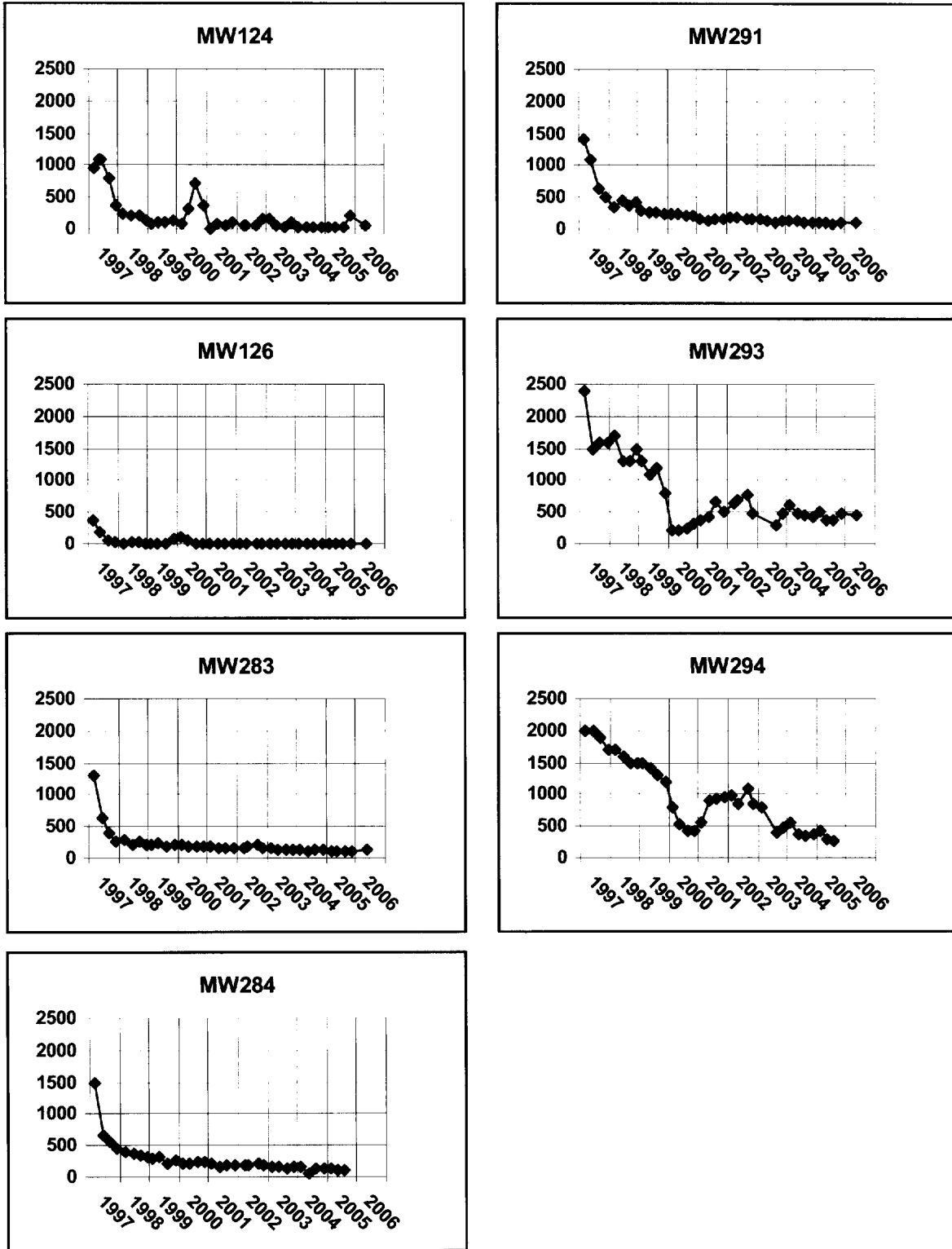
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58





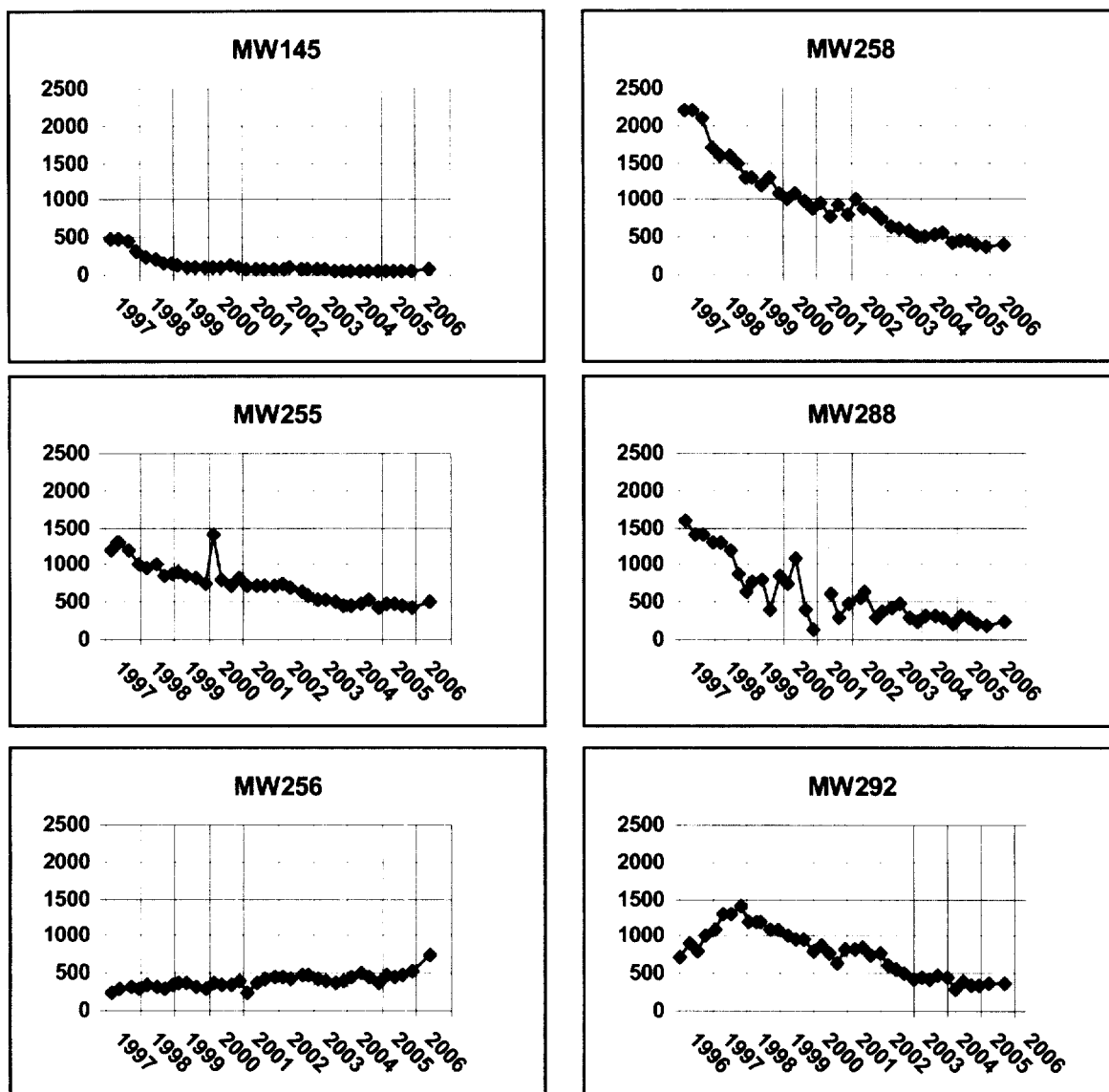
TCE (ppb)



NOTE: Data rejected by validation or assessment have not been graphed.

Figure 2a. Northeast Plume—TCE Concentrations in Downgradient Wells

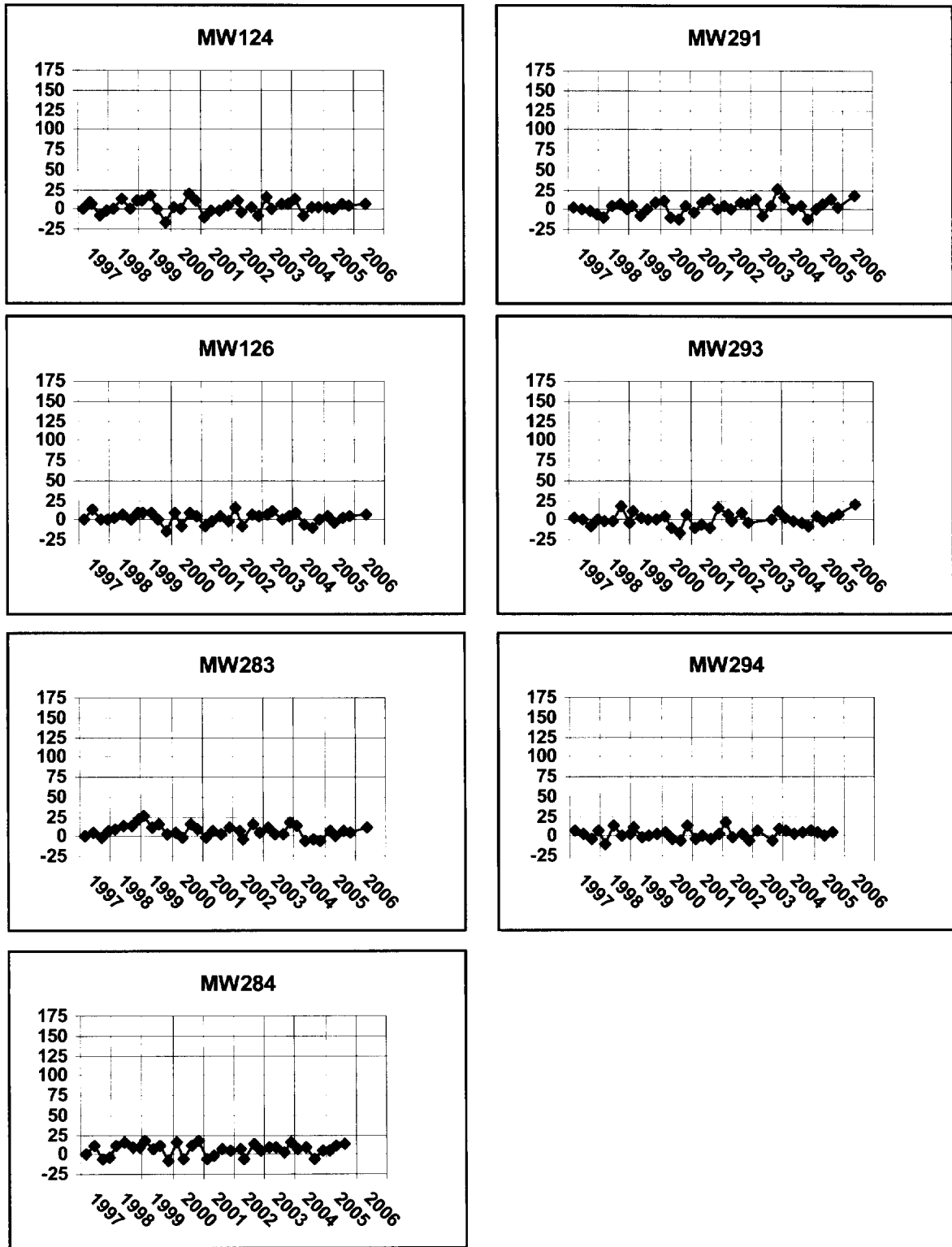
TCE (ppb)



NOTE: Data rejected by validation or assessment have not been graphed.

Figure 2b. Northeast Plume—TCE Concentrations in Upgradient Wells

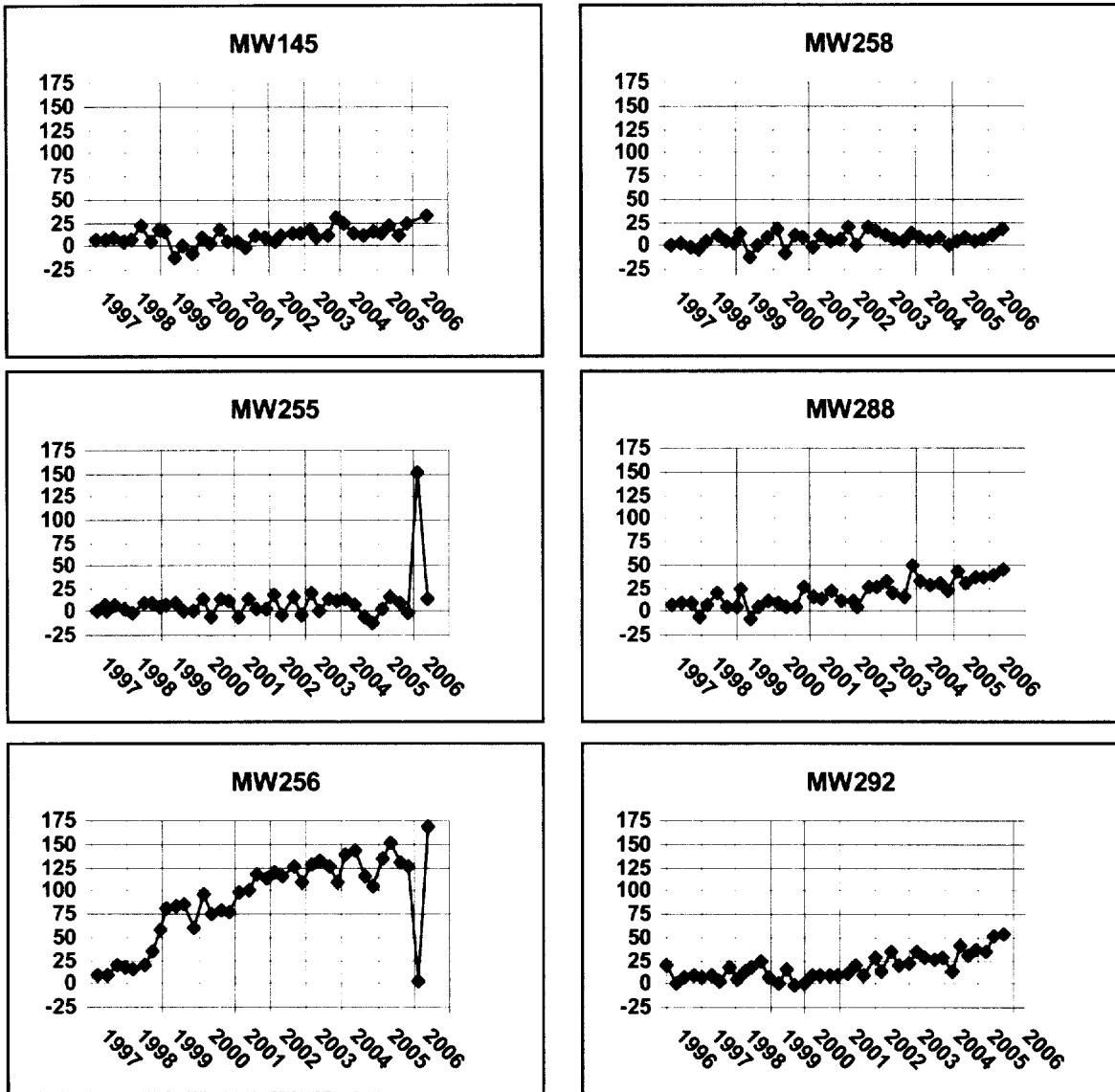
Tc-99 (pCi/L)



NOTE: Data rejected by validation or assessment have not been graphed.

Figure 2c. Northeast Plume—<sup>99</sup>Tc Activities in Downgradient Wells

Tc-99 (pCi/L)

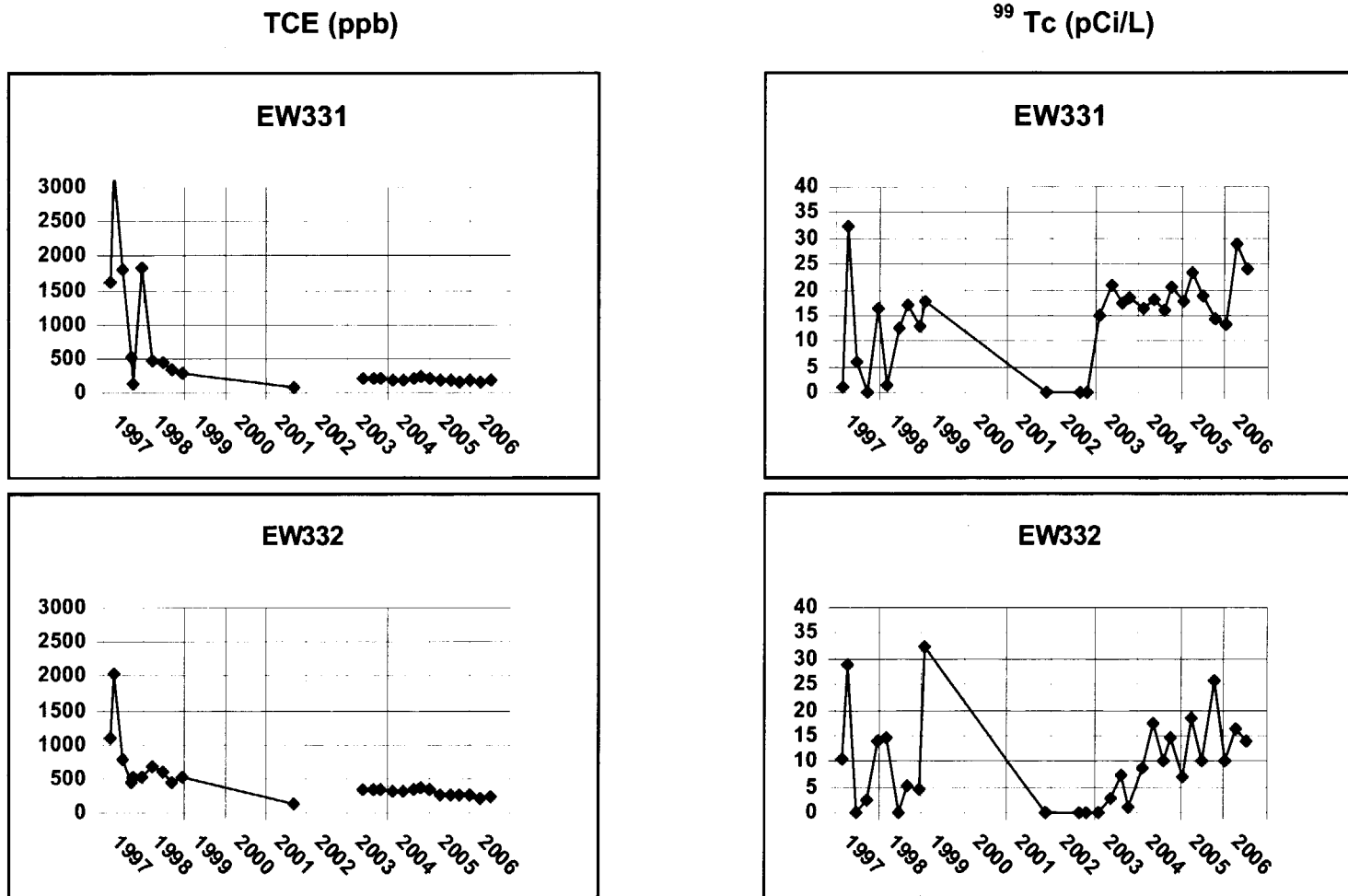


NOTE: Data rejected by validation or assessment have not been graphed.

Figure 2d. Northeast Plume—<sup>99</sup>Tc Activities in Upgradient Wells

64

B-8



NOTE: Data rejected by validation or assessment have not been graphed.

Figure 2e. Northeast Plume—TCE Concentrations and <sup>99</sup>Tc Activities in Extraction Wells

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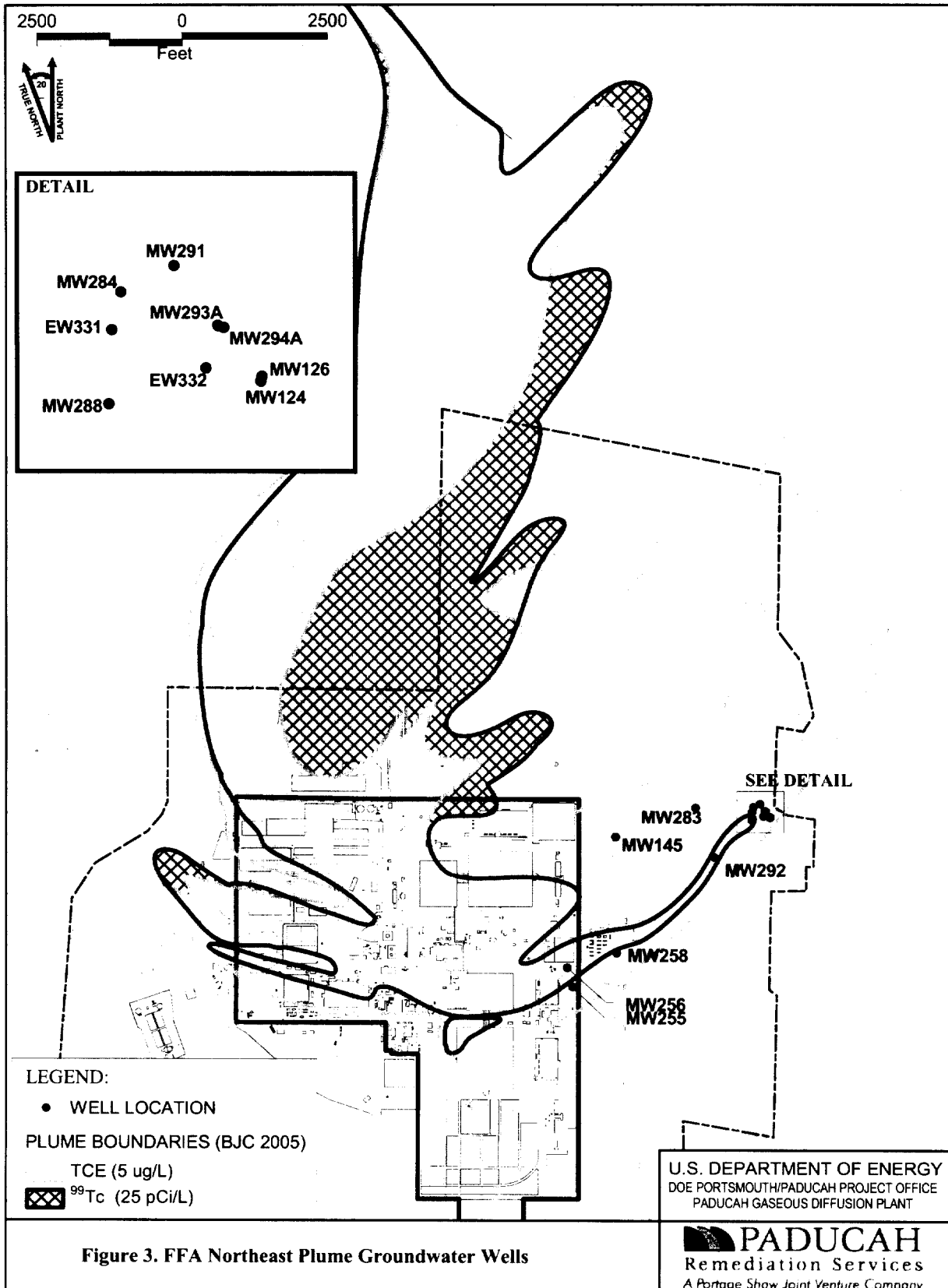


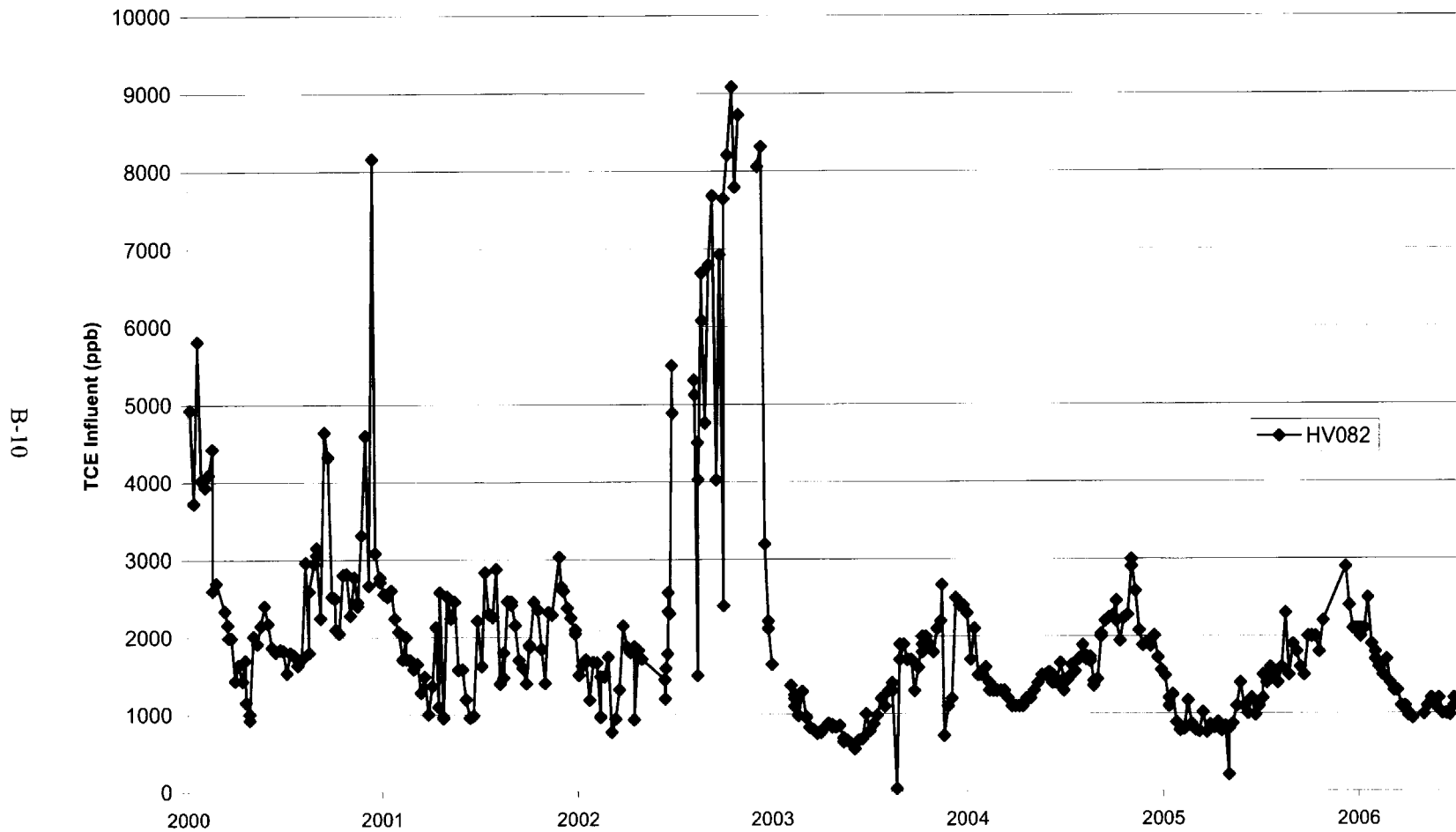
Figure 3. FFA Northeast Plume Groundwater Wells

U.S. DEPARTMENT OF ENERGY  
DOE PORTSMOUTH/PADUCAH PROJECT OFFICE  
PADUCAH GASEOUS DIFFUSION PLANT

**PADUCAH**  
Remediation Services  
A Portage Show Joint Venture Company

Figure No. c5ac90005sk016.apr  
DATE 09-12-06

66



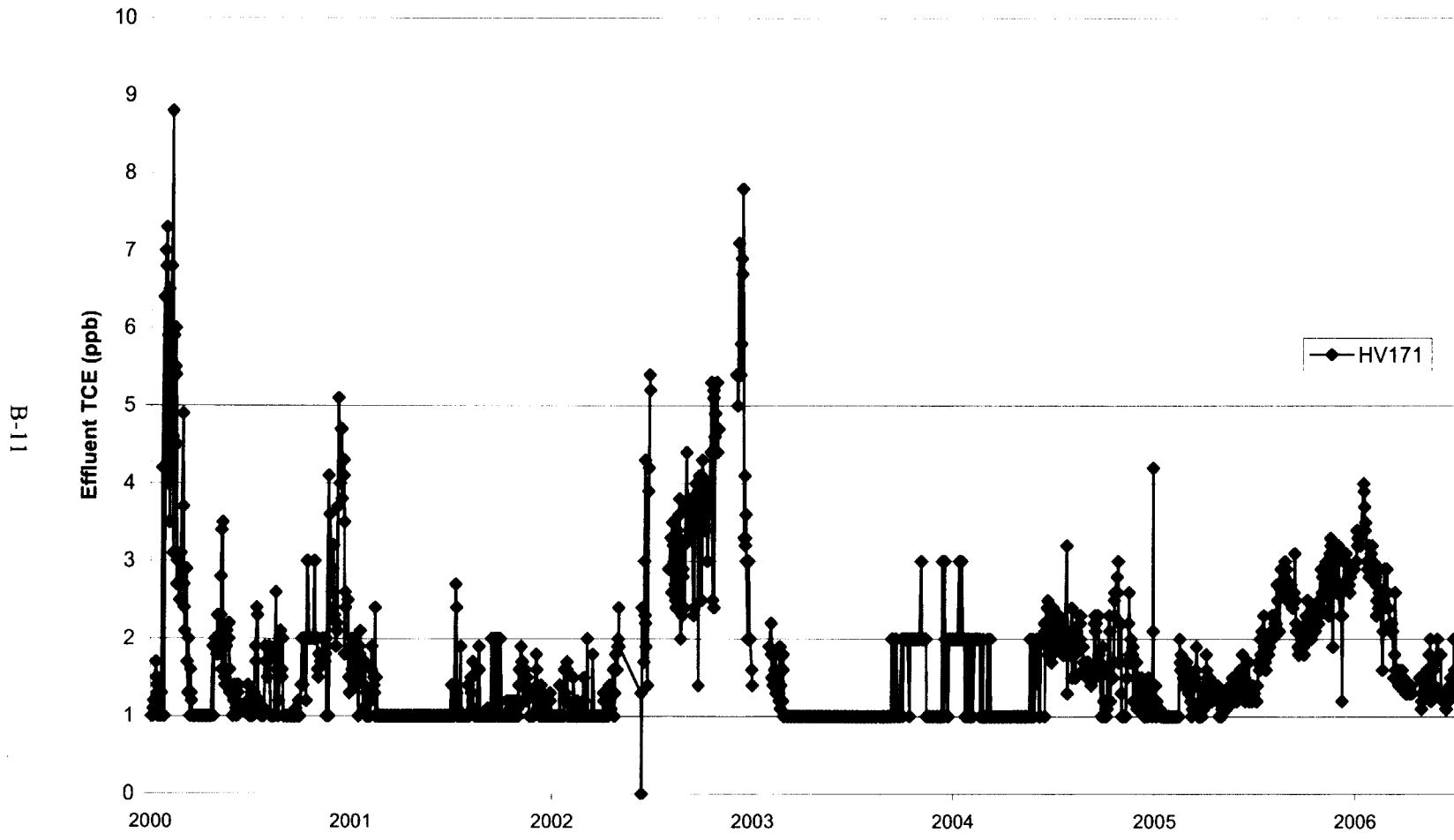
Note: Rejected data have been excluded and are represented as gaps in the graph.

Figure 4a. Northwest Plume Groundwater System Influent TCE Concentrations

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67



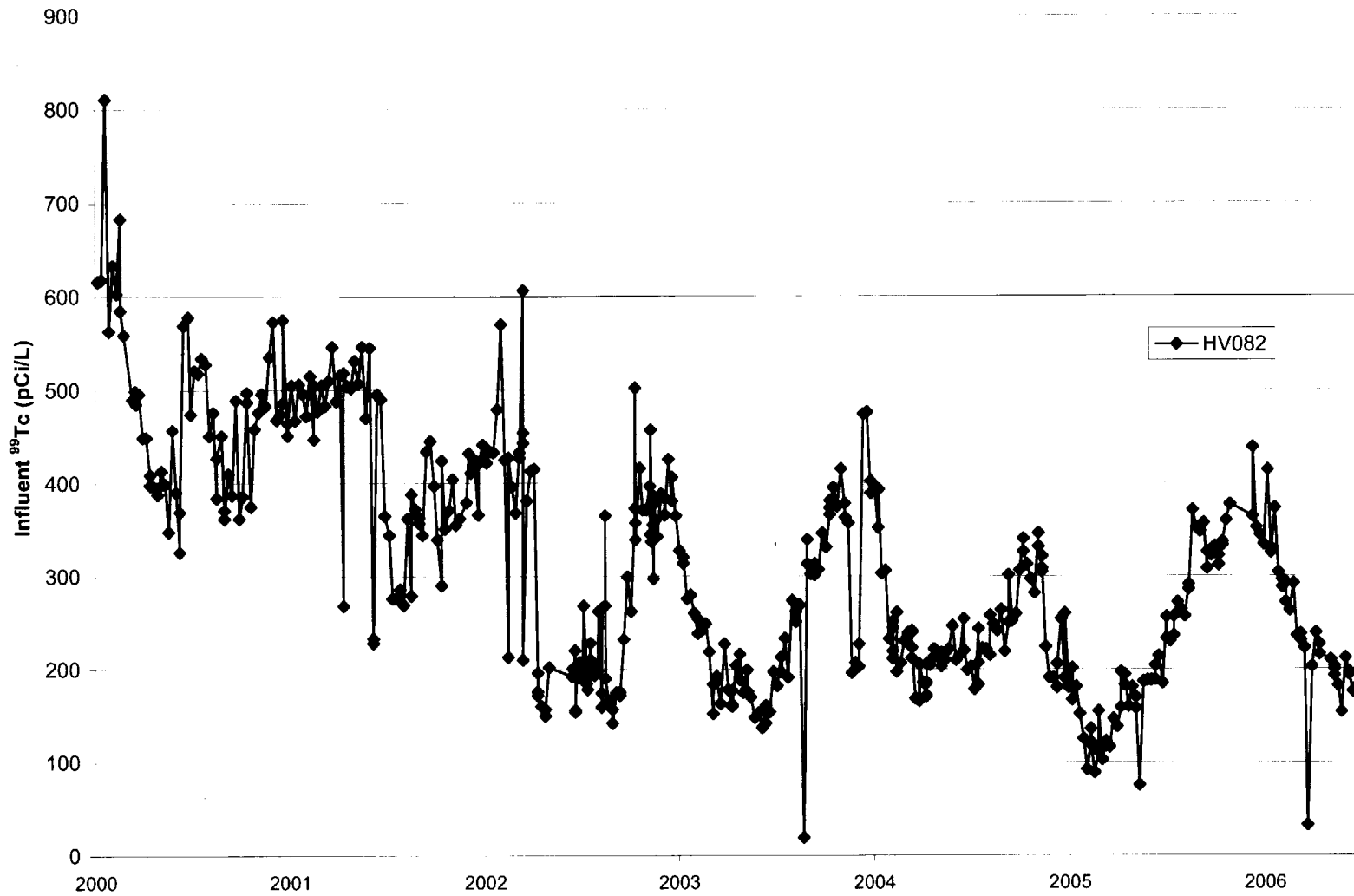
Note: Rejected data have been excluded and are represented as gaps in the graph.

Figure 4b. Northwest Plume Groundwater System Effluent TCE Concentrations

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68

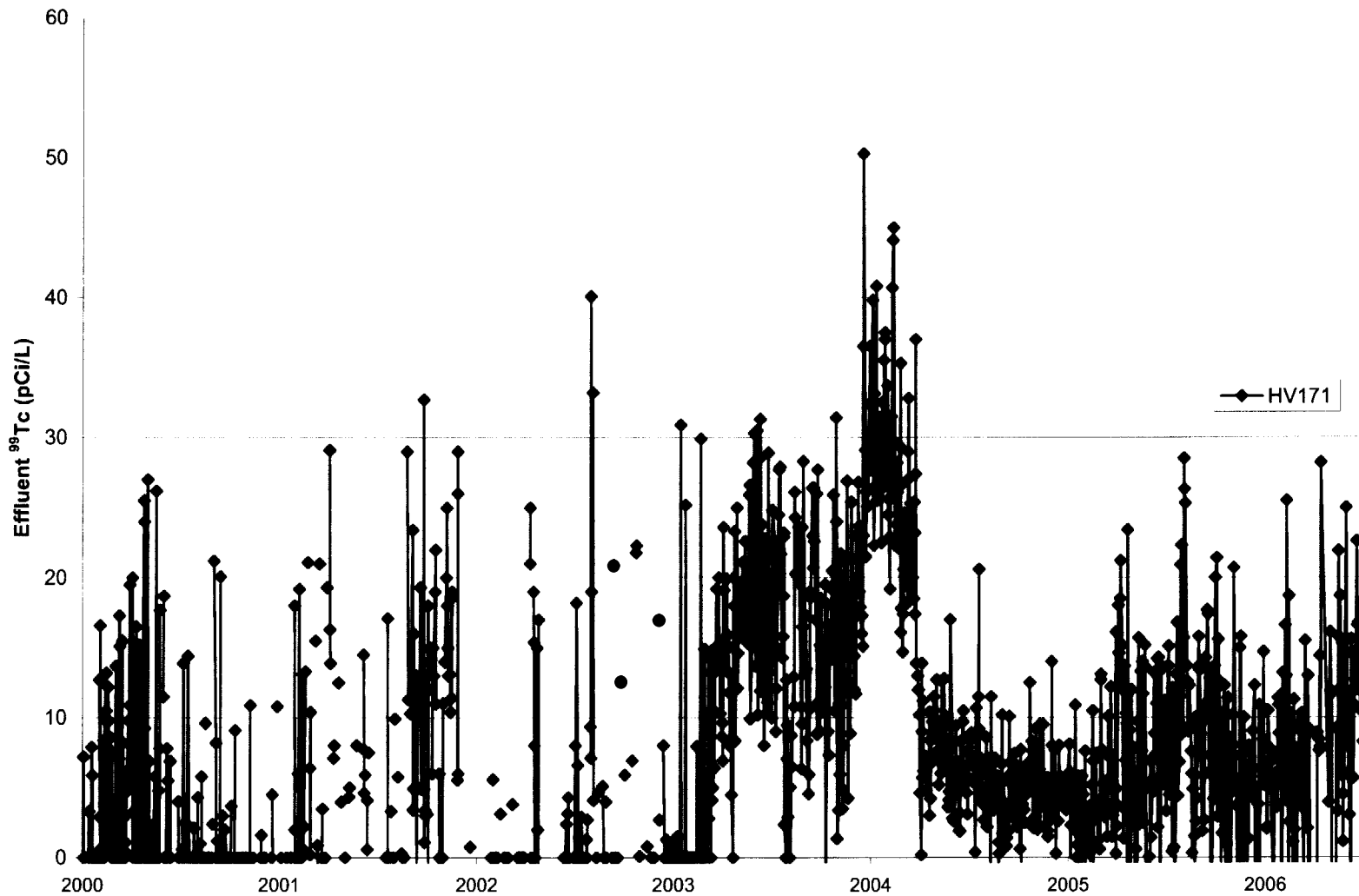
B-12



Note: Rejected data have been excluded and are represented as gaps in the graph.

Figure 5a. Northwest Plume Groundwater System Influent <sup>99</sup>Tc Activity

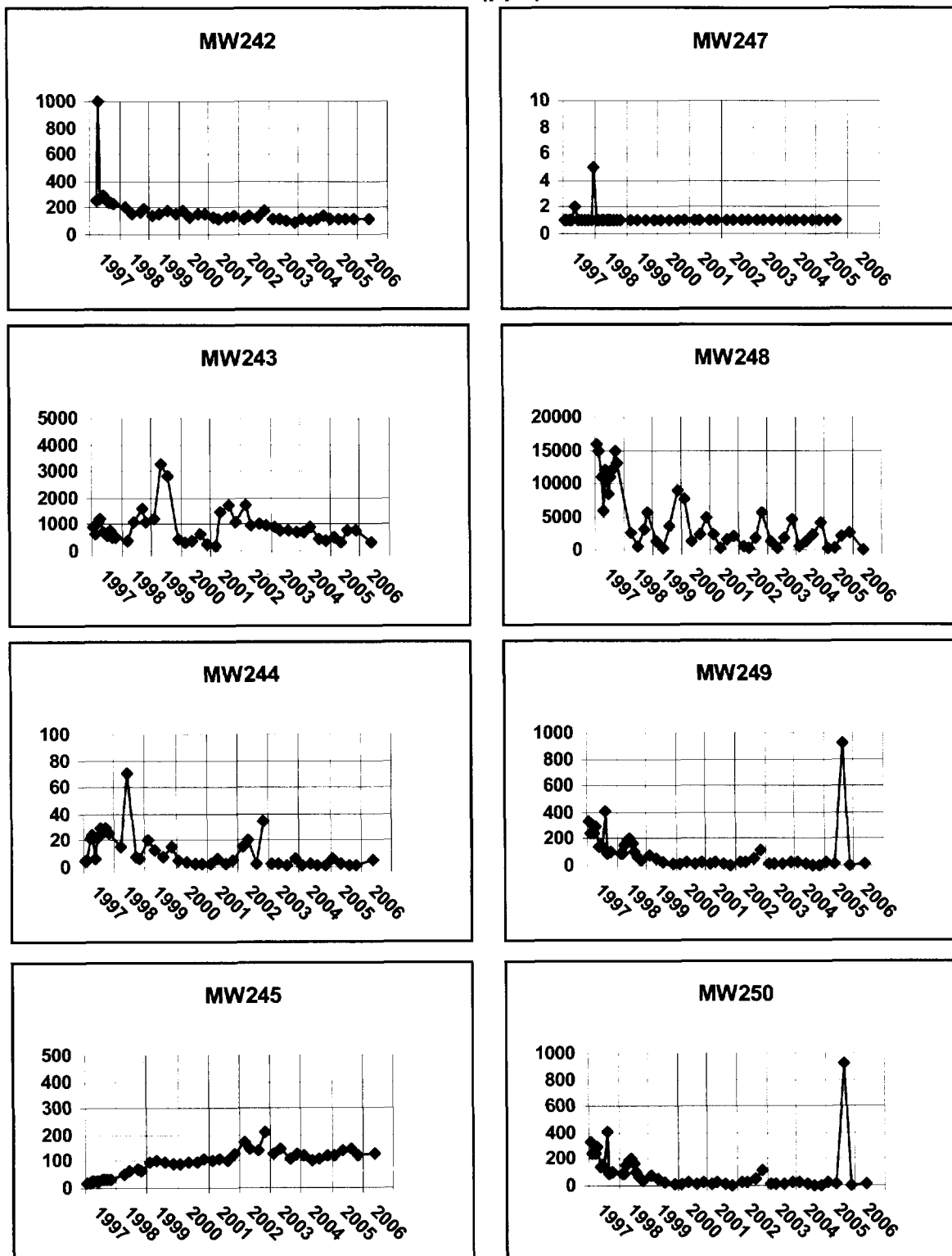
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Note: Rejected data have been excluded and are represented as gaps in the graph.  
 One value, 686 pCi/L, detected 1/5/2000 was omitted for graphing.

**Figure 5b. Northwest Plume Groundwater System Effluent <sup>99</sup>Tc Activity**

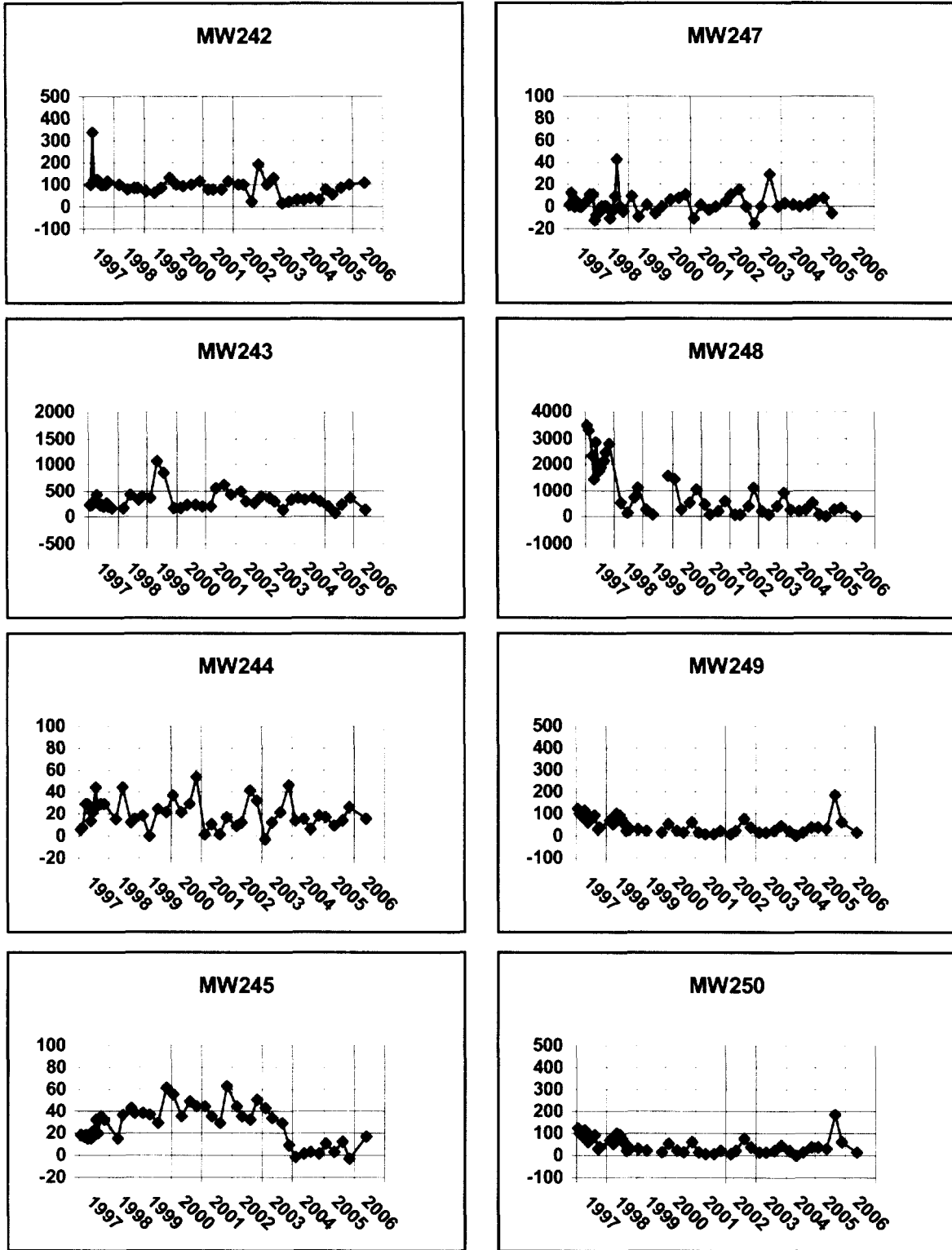
TCE (ppb)



NOTE: Data rejected by validation or assessment have not been graphed.

Figure 6a. Northwest Plume—South Well Field TCE Concentrations

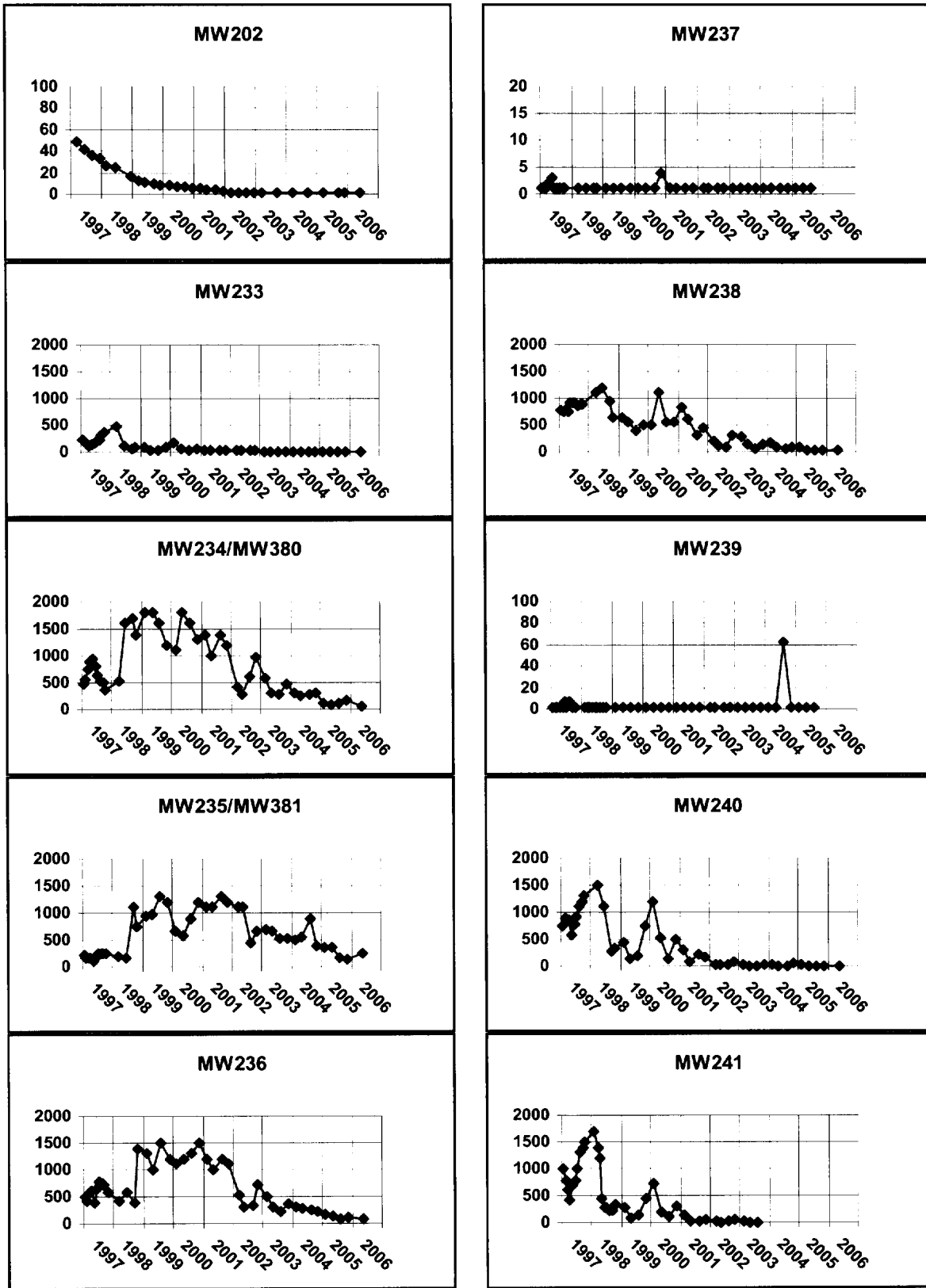
Tc-99 (pCi/L)



NOTE: Data rejected by validation or assessment have not been graphed.

Figure 6b. Northwest Plume—South Well Field <sup>99</sup>Tc Activities

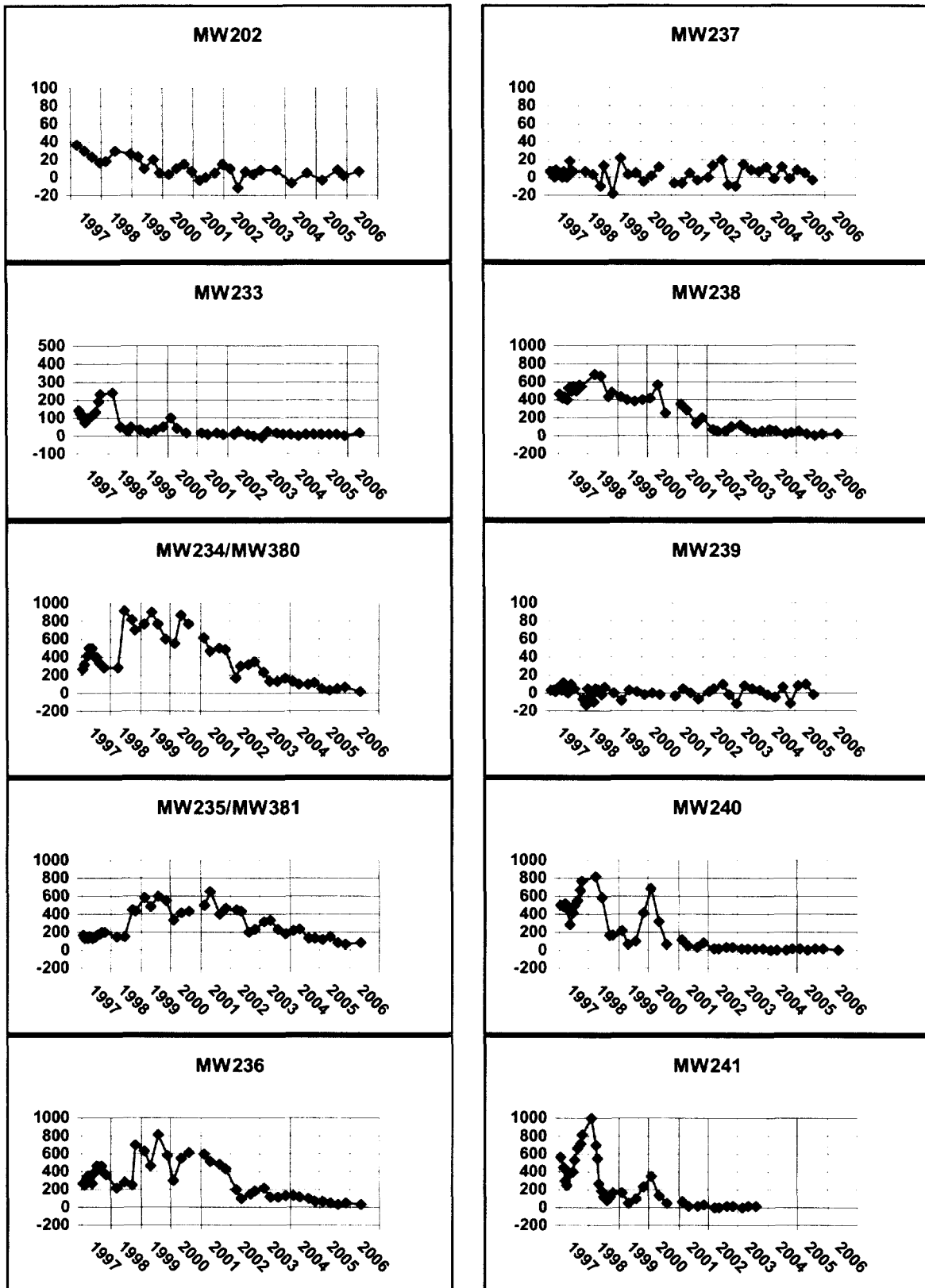
TCE (ppb)



NOTE: Data rejected by validation or assessment have not been graphed

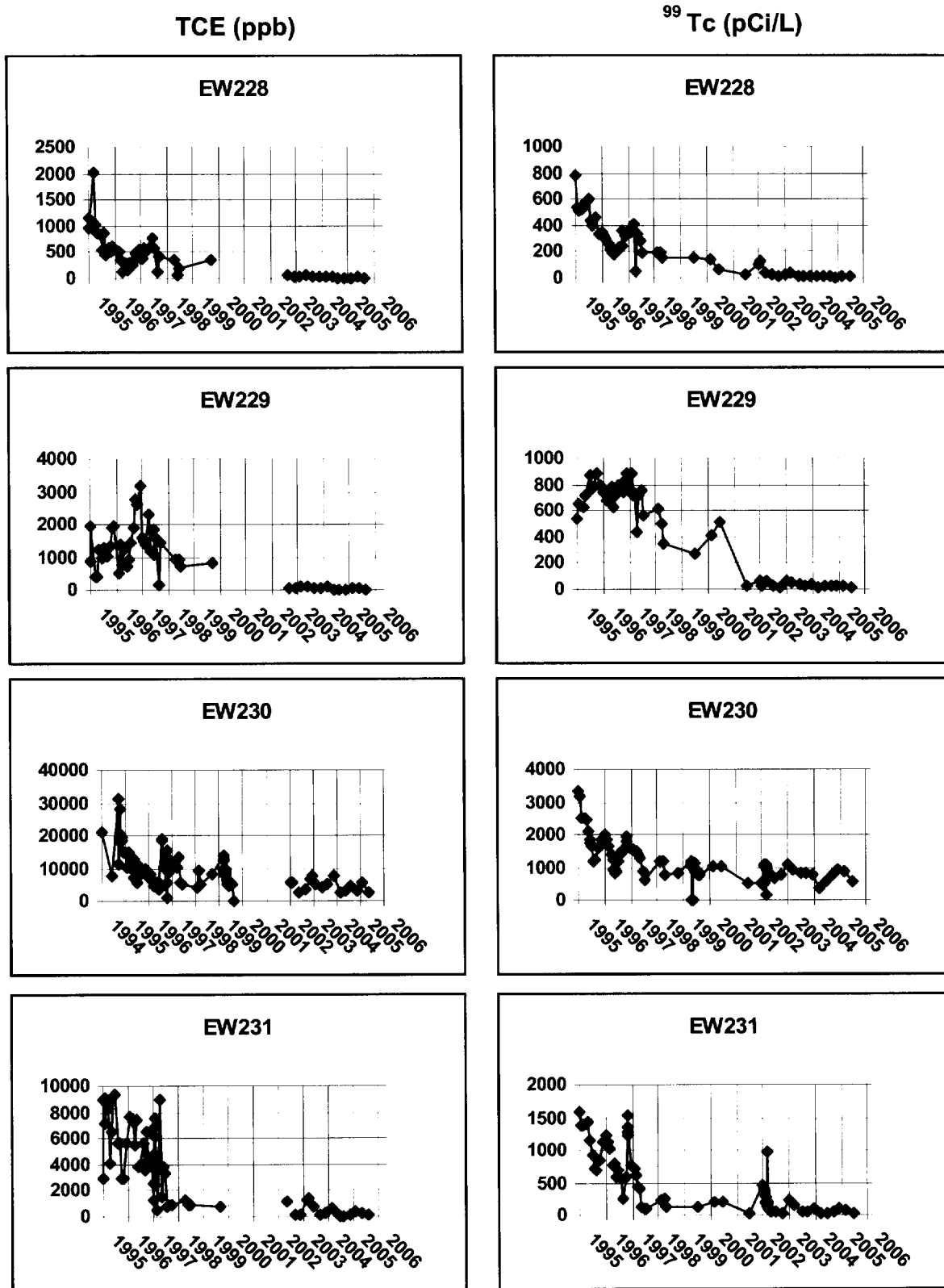
Figure 6c. Northwest Plume—North Well Field TCE Concentrations

Tc-99 (pCi/L)



NOTE: Data rejected by validation or assessment have not been graphed

Figure 6d. Northwest Plume—North Well Field <sup>99</sup>Tc Activities



NOTE: Data rejected by validation or assessment have not been graphed.

Figure 6e. Northwest Plume—TCE Concentrations and <sup>99</sup>Tc Activities in Extraction Wells



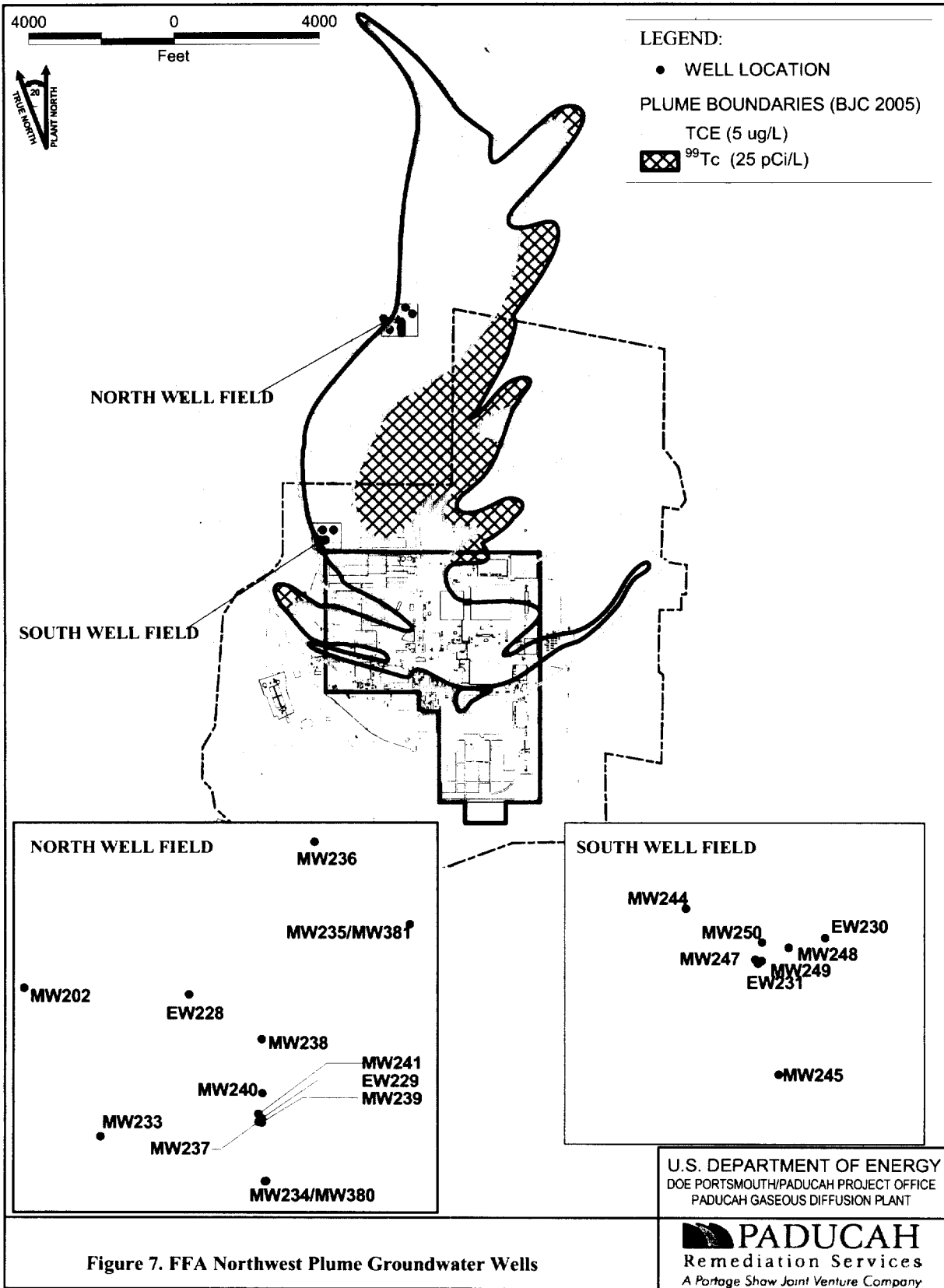


Figure 7. FFA Northwest Plume Groundwater Wells

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96

**APPENDIX C  
C-746-K LANDFILL DATA**

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77

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# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW300	Collected	Results	Units	
<b>Volatiles</b>					
<b>1,1,1-Trichloroethane</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>1,1,2-Trichloroethane</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>1,1-Dichloroethane</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	D 77	ug/L	
<b>1,1-Dichloroethene</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	D 120	ug/L	
<b>1,2-Dichloroethane</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>Benzene</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>Bromodichloromethane</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>Carbon Tetrachloride</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>Chloroform</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>cis-1,2-Dichloroethene</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	D 960	ug/L	
<b>Ethylbenzene</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>Tetrachloroethene</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>Toluene</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>Total Xylene</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 150	ug/L	
<b>trans-1,2-Dichloroethene</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	U 50	ug/L	
<b>Trichloroethene</b>					<b>Frequency Semiannual</b>
Sample	MW300KG2-06	4/11/2006	D 26	ug/L	

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW300	Collected	Results	Units	Frequency
<b>Vinyl Chloride</b>					
Sample	MW300KG2-06	4/11/2006	D 130	ug/L	Semiannual
<b>Radionuclides</b>					
<b>Gross Alpha</b>					
Sample	MW300KG2-06	4/11/2006	UX 0.896	pCi/L	Semiannual
<b>Gross Beta</b>					
Sample	MW300KG2-06	4/11/2006	U 28.2	pCi/L	Semiannual
<b>Technetium-99</b>					
Sample	MW300KG2-06	4/11/2006	U -2.86	pCi/L	Semiannual
<b>Metals</b>					
<b>Aluminum</b>					
Sample	MW300KG2-06	4/11/2006	*NU 0.2	mg/L	Semiannual
<b>Arsenic</b>					
Sample	MW300KG2-06	4/11/2006	0.00275	mg/L	Semiannual
<b>Barium</b>					
Sample	MW300KG2-06	4/11/2006	0.0161	mg/L	Semiannual
<b>Beryllium</b>					
Sample	MW300KG2-06	4/11/2006	U 0.001	mg/L	Semiannual
<b>Cadmium</b>					
Sample	MW300KG2-06	4/11/2006	U 0.001	mg/L	Semiannual
<b>Calcium</b>					
Sample	MW300KG2-06	4/11/2006	373	mg/L	Semiannual
<b>Iron</b>					
Sample	MW300KG2-06	4/11/2006	161	mg/L	Semiannual
<b>Iron (2+)</b>					
Sample	MW300KG2-06	4/11/2006	0	mg/L	Semiannual
<b>Lead</b>					
Sample	MW300KG2-06	4/11/2006	U 0.005	mg/L	Semiannual
<b>Magnesium</b>					
Sample	MW300KG2-06	4/11/2006	B 74.5	mg/L	Semiannual
<b>Manganese</b>					
Sample	MW300KG2-06	4/11/2006	X 16.5	mg/L	Semiannual

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW300	Collected	Results	Units	Frequency
<b>Nickel</b>					
Sample	MW300KG2-06	4/11/2006	NX 0.0629	mg/L	Semiannual
<b>Potassium</b>					
Sample	MW300KG2-06	4/11/2006	X 18.5	mg/L	Semiannual
<b>Sodium</b>					
Sample	MW300KG2-06	4/11/2006	21.5	mg/L	Semiannual
<b>Uranium</b>					
Sample	MW300KG2-06	4/11/2006	UX 0.001	mg/L	Semiannual
<b>Dissolved Metals</b>					
<b>Arsenic, Dissolved</b>					
Sample	MW300KG2-06	4/11/2006	0.0019	mg/L	Semiannual
<b>Barium, Dissolved</b>					
Sample	MW300KG2-06	4/11/2006	0.0162	mg/L	Semiannual
<b>Beryllium, Dissolved</b>					
Sample	MW300KG2-06	4/11/2006	U 0.001	mg/L	Semiannual
<b>Cadmium, Dissolved</b>					
Sample	MW300KG2-06	4/11/2006	U 0.001	mg/L	Semiannual
<b>Lead, Dissolved</b>					
Sample	MW300KG2-06	4/11/2006	U 0.005	mg/L	Semiannual
<b>Uranium, Dissolved</b>					
Sample	MW300KG2-06	4/11/2006	BU 0.001	mg/L	Semiannual
<b>Other</b>					
<b>Chloride</b>					
Sample	MW300KG2-06	4/11/2006	16	mg/L	Semiannual
<b>Conductivity</b>					
Sample	MW300KG2-06	4/11/2006	2300	umho/cm	Semiannual
<b>Nitrate as Nitrogen</b>					
Sample	MW300KG2-06	4/11/2006	U 1	mg/L	Semiannual
<b>Sulfate</b>					
Sample	MW300KG2-06	4/11/2006	1600	mg/L	Semiannual
<b>Turbidity</b>					
Sample	MW300KG2-06	4/11/2006	86.9	NTU	Semiannual

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW301	Collected	Results	Units	
<b>Volatiles</b>					
<b>1,1,1-Trichloroethane</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>1,1,2-Trichloroethane</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>1,1-Dichloroethane</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	5.2	ug/L	
Sample	MW301DKG2-06	4/11/2006	5.4	ug/L	
<b>1,1-Dichloroethene</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>1,2-Dichloroethane</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>Benzene</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>Bromodichloromethane</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>Carbon Tetrachloride</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>Chloroform</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>cis-1,2-Dichloroethene</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	57	ug/L	
Sample	MW301DKG2-06	4/11/2006	58	ug/L	
<b>Ethylbenzene</b>					<b>Frequency Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	



# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW301	Collected	Results	Units	Frequency
<b>Tetrachloroethene</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>Toluene</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>Total Xylene</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 15	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 15	ug/L	
<b>trans-1,2-Dichloroethene</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 5	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 5	ug/L	
<b>Trichloroethene</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 1	ug/L	
Sample	MW301DKG2-06	4/11/2006	U 1	ug/L	
<b>Vinyl Chloride</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	3.3	ug/L	
Sample	MW301DKG2-06	4/11/2006	3.3	ug/L	
<b>Radionuclides</b>					
<b>Gross Alpha</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	UX 8.03	pCi/L	
Sample	MW301DKG2-06	4/11/2006	UX 3.04	pCi/L	
<b>Gross Beta</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	50.9	pCi/L	
Sample	MW301DKG2-06	4/11/2006	62	pCi/L	
<b>Technetium-99</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U -2.97	pCi/L	
Sample	MW301DKG2-06	4/11/2006	U 8.86	pCi/L	
<b>Metals</b>					
<b>Aluminum</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	*NU 0.2	mg/L	
Sample	MW301DKG2-06	4/11/2006	*NU 0.2	mg/L	
<b>Arsenic</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	0.00129	mg/L	
Sample	MW301DKG2-06	4/11/2006	0.00126	mg/L	

## C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW301	Collected	Results	Units	Frequency	Semiannual
<b>Barium</b>						
Sample	MW301KG2-06	4/11/2006	0.0205	mg/L		
Sample	MW301DKG2-06	4/11/2006	0.0213	mg/L		
<b>Beryllium</b>						
Sample	MW301KG2-06	4/11/2006	U 0.001	mg/L		
Sample	MW301DKG2-06	4/11/2006	U 0.001	mg/L		
<b>Cadmium</b>						
Sample	MW301KG2-06	4/11/2006	U 0.001	mg/L		
Sample	MW301DKG2-06	4/11/2006	U 0.001	mg/L		
<b>Calcium</b>						
Sample	MW301KG2-06	4/11/2006	576	mg/L		
Sample	MW301DKG2-06	4/11/2006	577	mg/L		
<b>Iron</b>						
Sample	MW301KG2-06	4/11/2006	287	mg/L		
Sample	MW301DKG2-06	4/11/2006	279	mg/L		
<b>Iron (2+)</b>						
Sample	MW301KG2-06	4/11/2006	0	mg/L		
Sample	MW301DKG2-06	4/11/2006	0	mg/L		
<b>Lead</b>						
Sample	MW301KG2-06	4/11/2006	U 0.005	mg/L		
Sample	MW301DKG2-06	4/11/2006	U 0.005	mg/L		
<b>Magnesium</b>						
Sample	MW301KG2-06	4/11/2006	109	mg/L		
Sample	MW301DKG2-06	4/11/2006	109	mg/L		
<b>Manganese</b>						
Sample	MW301KG2-06	4/11/2006	X 20.9	mg/L		
Sample	MW301DKG2-06	4/11/2006	X 19.6	mg/L		
<b>Nickel</b>						
Sample	MW301KG2-06	4/11/2006	NX 0.0171	mg/L		
Sample	MW301DKG2-06	4/11/2006	NX 0.0153	mg/L		
<b>Potassium</b>						
Sample	MW301KG2-06	4/11/2006	X 42.9	mg/L		
Sample	MW301DKG2-06	4/11/2006	X 43.2	mg/L		

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW301	Collected	Results	Units	Frequency
<b>Sodium</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	66.4	mg/L	
Sample	MW301DKG2-06	4/11/2006	65.4	mg/L	
<b>Uranium</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	X 0.00223	mg/L	
Sample	MW301DKG2-06	4/11/2006	X 0.00249	mg/L	
<b>Dissolved Metals</b>					
<b>Arsenic, Dissolved</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	0.00121	mg/L	
Sample	MW301DKG2-06	4/11/2006	0.00115	mg/L	
<b>Barium, Dissolved</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	0.0186	mg/L	
Sample	MW301DKG2-06	4/11/2006	0.0192	mg/L	
<b>Beryllium, Dissolved</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 0.001	mg/L	
Sample	MW301DKG2-06	4/11/2006	U 0.001	mg/L	
<b>Cadmium, Dissolved</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 0.001	mg/L	
Sample	MW301DKG2-06	4/11/2006	U 0.001	mg/L	
<b>Lead, Dissolved</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 0.005	mg/L	
Sample	MW301DKG2-06	4/11/2006	U 0.005	mg/L	
<b>Uranium, Dissolved</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	B 0.00192	mg/L	
Sample	MW301DKG2-06	4/11/2006	B 0.002	mg/L	
<b>Other</b>					
<b>Chloride</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	58	mg/L	
Sample	MW301DKG2-06	4/11/2006	57	mg/L	
<b>Conductivity</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	3290	umho/cm	
Sample	MW301DKG2-06	4/11/2006	3290	umho/cm	
<b>Nitrate as Nitrogen</b>					
					<b>Semiannual</b>
Sample	MW301KG2-06	4/11/2006	U 1	mg/L	
Sample	MW301DKG2-06	4/11/2006	U 1	mg/L	

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW301	Collected	Results	Units	Frequency
					Semiannual
<b>Sulfate</b>					
Sample	MW301KG2-06	4/11/2006	1900	mg/L	
Sample	MW301DKG2-06	4/11/2006	2000	mg/L	
<hr/>					
<b>Turbidity</b>					
Sample	MW301KG2-06	4/11/2006	169	NTU	
Sample	MW301DKG2-06	4/11/2006	169	NTU	
<hr/>					

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW302	Collected	Results	Units	
<b>Volatiles</b>					
					<b>Frequency Semiannual</b>
	<b>1,1,1-Trichloroethane</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>1,1,2-Trichloroethane</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>1,1-Dichloroethane</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>1,1-Dichloroethene</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>1,2-Dichloroethane</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>Benzene</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>Bromodichloromethane</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>Carbon Tetrachloride</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>Chloroform</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>cis-1,2-Dichloroethene</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>Ethylbenzene</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>Tetrachloroethene</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>Toluene</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>Total Xylene</b>				
Sample	MW302KG2-06	4/11/2006	U 15	ug/L	
					<b>Frequency Semiannual</b>
	<b>trans-1,2-Dichloroethene</b>				
Sample	MW302KG2-06	4/11/2006	U 5	ug/L	
					<b>Frequency Semiannual</b>
	<b>Trichloroethene</b>				
Sample	MW302KG2-06	4/11/2006	U 1	ug/L	

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

<b>STATION</b>	MW302	<b>Collected</b>	<b>Results</b>	<b>Units</b>	
	<b>Vinyl Chloride</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	U 2	ug/L	
<hr/>					
<b>Radionuclides</b>					
	<b>Gross Alpha</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	UX -1.64	pCi/L	
	<b>Gross Beta</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	U 3.54	pCi/L	
	<b>Technetium-99</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	U 0.914	pCi/L	
<hr/>					
<b>Metals</b>					
	<b>Aluminum</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	*N 0.418	mg/L	
	<b>Arsenic</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	0.00162	mg/L	
	<b>Barium</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	0.0648	mg/L	
	<b>Beryllium</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	U 0.001	mg/L	
	<b>Cadmium</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	U 0.001	mg/L	
	<b>Calcium</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	47.8	mg/L	
	<b>Iron</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	1.02	mg/L	
	<b>Iron (2+)</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	4	mg/L	
	<b>Lead</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	U 0.005	mg/L	
	<b>Magnesium</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	B 25.2	mg/L	
	<b>Manganese</b>				<b>Frequency Semiannual</b>
	Sample MW302KG2-06	4/11/2006	X 0.572	mg/L	

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW302	Collected	Results	Units	Frequency
<b>Nickel</b>					
Sample	MW302KG2-06	4/11/2006	NX 0.00818	mg/L	Semiannual
<b>Potassium</b>					
Sample	MW302KG2-06	4/11/2006	BX 0.527	mg/L	Semiannual
<b>Sodium</b>					
Sample	MW302KG2-06	4/11/2006	83.2	mg/L	Semiannual
<b>Uranium</b>					
Sample	MW302KG2-06	4/11/2006	UX 0.001	mg/L	Semiannual
<b>Dissolved Metals</b>					
<b>Arsenic, Dissolved</b>					
Sample	MW302KG2-06	4/11/2006	U 0.001	mg/L	Semiannual
<b>Barium, Dissolved</b>					
Sample	MW302KG2-06	4/11/2006	0.0596	mg/L	Semiannual
<b>Beryllium, Dissolved</b>					
Sample	MW302KG2-06	4/11/2006	U 0.001	mg/L	Semiannual
<b>Cadmium, Dissolved</b>					
Sample	MW302KG2-06	4/11/2006	U 0.001	mg/L	Semiannual
<b>Lead, Dissolved</b>					
Sample	MW302KG2-06	4/11/2006	U 0.005	mg/L	Semiannual
<b>Uranium, Dissolved</b>					
Sample	MW302KG2-06	4/11/2006	BU 0.001	mg/L	Semiannual
<b>Other</b>					
<b>Alkalinity</b>					
Sample	MW302KG2-06	4/11/2006	75	mg/L	Semiannual
<b>Chloride</b>					
Sample	MW302KG2-06	4/11/2006	10	mg/L	Semiannual
<b>Conductivity</b>					
Sample	MW302KG2-06	4/11/2006	704	umho/cm	Semiannual
<b>Nitrate as Nitrogen</b>					
Sample	MW302KG2-06	4/11/2006	U 1	mg/L	Semiannual
<b>Sulfate</b>					
Sample	MW302KG2-06	4/11/2006	130	mg/L	Semiannual

89

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION		Collected	Results	Units	Frequency
MW302					Semiannual
<b>Turbidity</b>					
Sample	MW302KG2-06	4/11/2006	7.8	NTU	

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# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW344	Collected	Results	Units
<b>Volatiles</b>				
<b>1,1,1-Trichloroethane</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>1,1,2-Trichloroethane</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>1,1-Dichloroethane</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>1,1-Dichloroethene</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>1,2-Dichloroethane</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>Benzene</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>Bromodichloromethane</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>Carbon Tetrachloride</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>Chloroform</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>cis-1,2-Dichloroethene</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>Ethylbenzene</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>Tetrachloroethene</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>Toluene</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>Total Xylene</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 15	ug/L
<b>trans-1,2-Dichloroethene</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 5	ug/L
<b>Trichloroethene</b>				<b>Frequency Semiannual</b>
Sample	MW344KG2-06	4/11/2006	U 1	ug/L

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

<b>STATION</b>	MW344	<b>Collected</b>	<b>Results</b>	<b>Units</b>	
	<b>Vinyl Chloride</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	U 2	ug/L	
<hr/>					
<b>Radionuclides</b>					
	<b>Gross Alpha</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	UX 2.13	pCi/L	
	<b>Gross Beta</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	U 5.53	pCi/L	
	<b>Technetium-99</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	U 0.686	pCi/L	
<hr/>					
<b>Metals</b>					
	<b>Aluminum</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	*N 2.55	mg/L	
	<b>Arsenic</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	0.00541	mg/L	
	<b>Barium</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	0.0782	mg/L	
	<b>Beryllium</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	U 0.001	mg/L	
	<b>Cadmium</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	U 0.001	mg/L	
	<b>Calcium</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	62.4	mg/L	
	<b>Iron</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	6.79	mg/L	
	<b>Iron (2+)</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	0.5	mg/L	
	<b>Lead</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	U 0.005	mg/L	
	<b>Magnesium</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	B 20.4	mg/L	
	<b>Manganese</b>				<b>Frequency Semiannual</b>
	Sample MW344KG2-06	4/11/2006	X 0.419	mg/L	

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION	MW344	Collected	Results	Units	Frequency
<b>Nickel</b>					
Sample	MW344KG2-06	4/11/2006	NX 0.00597	mg/L	Semiannual
<b>Potassium</b>					
Sample	MW344KG2-06	4/11/2006	BX 1.85	mg/L	Semiannual
<b>Sodium</b>					
Sample	MW344KG2-06	4/11/2006	31.4	mg/L	Semiannual
<b>Uranium</b>					
Sample	MW344KG2-06	4/11/2006	UX 0.001	mg/L	Semiannual
<b>Dissolved Metals</b>					
<b>Arsenic, Dissolved</b>					
Sample	MW344KG2-06	4/11/2006	0.0035	mg/L	Semiannual
<b>Barium, Dissolved</b>					
Sample	MW344KG2-06	4/11/2006	0.05	mg/L	Semiannual
<b>Beryllium, Dissolved</b>					
Sample	MW344KG2-06	4/11/2006	U 0.001	mg/L	Semiannual
<b>Cadmium, Dissolved</b>					
Sample	MW344KG2-06	4/11/2006	U 0.001	mg/L	Semiannual
<b>Lead, Dissolved</b>					
Sample	MW344KG2-06	4/11/2006	U 0.005	mg/L	Semiannual
<b>Uranium, Dissolved</b>					
Sample	MW344KG2-06	4/11/2006	BU 0.001	mg/L	Semiannual
<b>Other</b>					
<b>Alkalinity</b>					
Sample	MW344KG2-06	4/11/2006	95	mg/L	Semiannual
<b>Chloride</b>					
Sample	MW344KG2-06	4/11/2006	22	mg/L	Semiannual
<b>Conductivity</b>					
Sample	MW344KG2-06	4/11/2006	607	umho/cm	Semiannual
<b>Nitrate as Nitrogen</b>					
Sample	MW344KG2-06	4/11/2006	U 1	mg/L	Semiannual
<b>Sulfate</b>					
Sample	MW344KG2-06	4/11/2006	180	mg/L	Semiannual

# C-746-K Landfill Monitoring Semiannual Report

January - June 2006

STATION		Collected	Results	Units	Frequency
MW344					Semiannual
<b>Turbidity</b>					
Sample	MW344KG2-06	4/11/2006	121	NTU	

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**APPENDIX D**  
**ADMINISTRATIVE RECORD INDEX**

October 2006

UNCLASSIFIED

95

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October 2006

UNCLASSIFIED  
96

ADMINISTRATIVE RECORD  
4/01/06 THRU 9/30/06

Object Name	Title	Date On Document	Author Affiliation	To Whom	Document Status
I-04616-0005.PDF	[COMMENTS ON] LUCIP: IRA FOR THE GWOU FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BLDG (DOE/OR/07-2151&D1) AND THE RDWP FOR THE IRA FOR THE VOLATILE ORG. COMPOUND CONT. AT THE C-400 CLEANING BLDG AT THE PGDP (DOE/OR/07-2214&D2)	4/12/06	KDEP	MURPHIE W.E., KANNARD J.R.	6PHASE- PD
I-05209-0012.PDF	REQUEST TO EXTEND REVIEW PERIOD FOR WORK PLAN FOR THE BURIAL GROUND OPERABLE UNIT REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2179&D2) MCCRACKEN COUNTY, KENTUCKY KY8-890-008-982	4/21/06	KDEP	MURPHIE W.E., RAZOR J.E.	ARFBGOU
I-04610-0042.PDF	REQUEST FOR SCHEDULE EXTENSION FOR THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	4/24/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	ARFSWP
I-04610-0047.PDF	[APPROVAL GRANTED FOR] REQUEST FOR SCHEDULE EXTENSION FOR THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2), MCCRACKEN COUNTY, KY. KY8-890-008-982	4/26/06	KDEP	MURPHIE W.E., RAZOR J.E.	ARFSWP
I-04616-0006.PDF	COMMENTS ON THE LUCIP: INTERIM REMEDIAL ACTION FOR THE GROUNDWATER OPERABLE UNIT FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PGDP, PADUCAH KENTUCKY (DOE/OR/07-2151&D1), MCCRACKEN COUNTY, KY.	4/26/06	KDEP	MURPHIE W.E., RAZOR J.E.	6PHASE- PD
I-04610-0041	SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	5/1/06	PRS		ARFSWP
I-04610-0041a.PDF	SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	5/1/06	PRS		ARFSWP

D-3

47

UNCLASSIFIED

ADMINISTRATIVE RECORD  
4/01/06 THRU 9/30/06

Object Name	Title	Date On Document	Author Affiliation	To Whom	Document Status
I-04610-0041b.PDF	SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	5/1/06	PRS		ARFSWP
I-04610-0041c.PDF	SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	5/1/06	PRS		ARFSWP
I-04610-0041d.PDF	SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	5/1/06	PRS		ARFSWP
I-04610-0041e.PDF	SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	5/1/06	PRS		ARFSWP
I-02001-0457.PDF	{TRANSMITTAL OF} FEDERAL FACILITY AGREEMENT (FFA) PROJECT MANAGERS' MEETING CONDUCTED APRIL 20, 2006	5/3/06	PRS	MURPHIE W.E.	ARFREF
I-02001-0456.PDF	{TRANSMITTAL OF} FEDERAL FACILITY AGREEMENT (FFA) PROJECT MANAGER'S MEETING APRIL 20, 2006	5/15/06	DOE-PPPO, DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	ARFREF
I-04610-0045.PDF	MILESTONE MODIFICATION FORM FOR GROUNDWATER OPERABLE UNIT SOUTHWEST PLUME INTERIM REMEDIAL ACTION	5/16/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	ARFSWP
I-05209-0011.PDF	REQUEST TO EXTEND REVIEW PERIOD FOR WORK PLAN FOR THE BURIAL GROUNDS OPERABLE UNIT REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2179&D2) MCCRACKEN COUNTY, KY KY8-890-008-982	5/22/06	KDEP	MURPHIE W.E., RAZOR J.E.	ARFBGOU
I-02001-0454.PDF	{TRANSMITTAL OF} FEDERAL FACILITY AGREEMENT (FFA) PROJECT MANAGER'S MEETING CONDUCTED MAY 18, 2006	5/23/06	PRS, PRS	MURPHIE W.E.	ARFREF
I-04610-0044.PDF	[APPROVAL FOR] MILESTONE MODIFICATION FORM FOR THE GROUNDWATER OPERABLE UNIT SOUTHWEST PLUME INTERIM REMEDIAL ACTION, PADUCAH GASEOUS DIFFUSION PLANT, MCCRACKEN COUNTY, KY. KY8-890-008-982	5/26/06	KDEP	MURPHIE W.E., RAZOR J.E.	ARFSWP

7)

D-4

UNCLASSIFIED



ADMINISTRATIVE RECORD  
4/01/06 THRU 9/30/06

Object Name	Title	Date On Document	Author Affiliation	To Whom	Document Status
I-02001-0455.PDF	{TRANSMITTAL OF} FEDERAL FACILITY AGREEMENT PROJECT MANAGERS' MEETING MAY 18, 2006	5/30/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	ARFREF
I-04610-0048.PDF	REQUEST TO EXTEND REVIEW PERIOD FOR SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2), MCCRACKEN COUNTY, KY. KY8-890-008-982	6/15/06	KDEP	MURPHIE, RAZOR J.E., W.E.	ARFSWP
I-04610-0049.PDF	[APPROVAL TO EXTEND REVIEW PERIOD FOR THE] SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	6/16/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	ARFSWP
I-05116-0049.PDF	[APPROVAL GRANTED TO PROCEED] REMOVAL ACTION WORK PLAN FOR THE C-402 LIME HOUSE INACTIVE FACILITY D&D PROJECT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2247&D1)	6/16/06	KDEP	MURPHIE W.E., RAZOR J.E.	55-PD
I-05209-0014.PDF	[COMMENTS ON] WORK PLAN FOR THE BURIAL GROUNDS OPERABLE UNIT REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2179&D2) MCCRACKEN COUNTY, KENTUCKY KY8-890-008-982	6/20/06	KDEP	MURPHIE W.E., RAZOR J.E.	ARFBGOU
I-04616-0007.PDF	NOTIFICATION OF SCHEDULE EXTENSION FOR THE LUCIP: INTERIM REMEDIAL ACTION FOR THE GWOU FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PGDP, PADUCAH, KY. (DOE/OR/07-2151&D2)	6/22/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	6PHASE-PD
I-05116-0050.PDF	[APPROVAL GRANTED FOR CHANGE IN] REMOVAL ACTION PLAN FOR THE C-402 LIME HOUSE INACTIVE FACILITY D&D PROJECT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2247&D1)	6/22/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	55-PD
I-05209-0016.PDF	[CONDITIONAL CONCURRENCE ON THE] BURIAL GROUNDS OPERABLE UNIT REMEDIAL REMEDIATION/FEASIBILITY STUDY WORK PLAN AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2179&D2)	6/27/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	ARFBGOU

10

D-5

ADMINISTRATIVE RECORD  
4/01/06 THRU 9/30/06

Object Name	Title	Date On Document	Author Affiliation	To Whom	Document Status
I-04613-0086.PDF	[REQUEST] PROPOSED MILESTONE EXTENSION FOR THE GROUNDWATER OPERABLE UNIT INTERIM REMEDIAL ACTION	6/29/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	6PHASE-PD
I-04615-0003.PDF	[REQUEST FOR] PROPOSED MILESTONE EXTENSION FOR THE GROUNDWATER OPERABLE UNIT C-400 INTERIM REMEDIAL ACTION	6/29/06	DOE-PPPO, DOE-PAD	SCOTT R.B., WILLIAMS D.G.	6PHASE-PD
I-05116-0051.PDF	REMOVAL ACTION WORK PLAN FOR THE C-405 INCINERATOR AND C-746-A WEST END SMELTER INACTIVE FACILITY DECONTAMINATION & DECOMMISSIONING PROJECT, PADUCAH, KENTUCKY (DOE/LX/07-0002&D1)	6/30/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	55-PD
I-05116-0053.PDF	REMOVAL ACTION WORK PLAN FOR THE C-405 INCINERATOR AND C-746-A WEST END SMELTER INACTIVE FACILITY DECONTAMINATION & DECOMMISSIONING PROJECT, PADUCAH, KENTUCKY (DOE/LX/07-0002&D1)	6/30/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	55-PD
I-04610-0053.PDF	REQUEST TO EXTEND REVIEW PERIOD FOR SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2) MCCRACKEN COUNTY, KENTUCKY, KY8-890-008-982	7/6/06	KDEP	MURPHIE W.E., RAZOR J.E.	ARFSWP
I-04616-0008.PDF	[COND. APPROVAL OF EXT. FOR] LUCIP: IRA FOR THE GWOU FOR THE VOLATILE ORGANIC COMPOUND CONTAM. AT THE C-400 CLEANING BLDG. (DOE/OR/07-2151&D1) & RDWP FOR THE IRA FOR THE VOLATILE ORG. COMP. CONT. AT THE C-400 CLEANING BLDG.(DOE/OR/07-2214&D2) AT THE PGDP	7/6/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	6PHASE-PD
I-04613-0087.PDF	[APPROVAL OF] DEPARTMENT OF ENERGY PROPOSED MILESTONE MODIFICATION, EXTENSION FOR THE GROUNDWATER OPERABLE UNIT C-400 INTERIM REMEDIAL ACTION	7/7/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	6PHASE-PD
I-04612-0059.PDF	PROPOSED MILESTONE EXTENSION FOR THE GROUNDWATER OPERABLE UNIT SOUTHWEST PLUME INTERIM REMEDIAL ACTION	7/12/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	ARFSWP

D-6

ADMINISTRATIVE RECORD  
4/01/06 THRU 9/30/06

Object Name	Title	Date On Document	Author Affiliation	To Whom	Document Status
I-04615-0004.PDF	[APPROVAL GRANTED FOR] MILESTONE MODIFICATIONS FOR THE GROUNDWATER OPERABLE UNIT C-400 INTERIM REMEDIAL ACTION, PADUCAH GASEOUS DIFFUSION PLANT, MCCRACKEN COUNTY, KENTUCKY KY8-890-008-982	7/12/06	KDEP	MURPHIE W.E., RAZOR J.E.	6PHASE- PD
I-04610-0050.PDF	[APPROVAL TO EXTEND REVIEW PERIOD FOR THE] SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	7/14/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	ARFSWP
I-04610-0052.PDF	[EXTENSION GRANTED FOR REVIEW OF] SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	7/14/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	ARFSWP
I-04616-0009.PDF	[APPROV. OF EXT. REQ. FOR] LUCIP: IRA FOR GWOU FOR VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BLDG. (DOE/OR/07-2151&D2) & [COMMENTS ON] THE RDWP FOR THE IRA FOR VOLATILE ORG. COMP. CON. AT C-400 CLEANING BLDG.(DOE/OR/07-2214&D2) PGDP	7/17/06	KDEP	MURPHIE W.E., RAZOR J.E.	6PHASE- PD
I-04616-0010.PDF	REQUEST FOR EXTENSION OF MILESTONE FOR LUCIP: IRA FOR GWOU FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT C-400 CLEANING BUILDING AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2151&D2)	7/21/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	6PHASE- PD
I-04807-0045.PDF	[SUPPORTING DECISION NOT TO IMPLEMENT] TECHNICAL MEMORANDUM FOR STEP 3 STORM SEWER SAMPLING-SAMPLING AND ANALYSIS PLAN FOR SITE INVESTIGATION AND RISK ASSESSMENT OF THE SURFACE WATER OPERABLE UNIT (ON-SITE)	7/21/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	ARFSWOU OSD
I-04610-0051.PDF	[MODIFICATION REQUEST GRANTED] MILESTONE MODIFICATION FORM FOR THE GROUNDWATER OPERABLE UNIT SOUTHWEST PLUME INTERIM REMEDIAL ACTION, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, MCCRACKEN COUNTY, KY. KY8-890-008-982	7/25/06	KDEP	MURPHIE W.E., RAZOR J.E.	ARFSWP

101

D-7

ADMINISTRATIVE RECORD  
4/01/06 THRU 9/30/06

Object Name	Title	Date On Document	Author Affiliation	To Whom	Document Status
I-05209-0018.PDF	TRANSMITTAL OF THE WORK PLAN FOR THE BURIAL GROUNDS OPERABLE UNIT REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2179&D2/R1)	8/1/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.	ARFBGOU
I-04616-0014.PDF	[APPROVAL GRANTED FOR] EXTENSION OF MILESTONE FOR LUCIP: INTERIM REMEDIAL ACTION FOR THE GROUNDWATER OPERABLE UNIT FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PGDP, PADUCAH, KY (DOE/OR/07-2151&D2)	8/3/06	KDEP, KDEP	MURPHIE W.E., RAZOR J.E.	6PHASE-PD
I-04610-0055.PDF	[APPROVAL GRANTED TO EXTEND REVIEW PERIOD FOR THE] SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	8/14/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	ARFSWP
I-04612-0060.PDF	PROPOSED MILESTONE EXTENSIONS FOR THE GROUNDWATER OPERABLE UNIT SOUTHWEST PLUME INTERIM REMEDIAL ACTION, PADUCAH GASEOUS DIFFUSION PLANT, MCCRACKEN COUNTY, KENTUCKY, KY8-890-008-982	8/14/06	DOE-PPPO, DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	ARFSWP
I-04807-0046.PDF	[APPROVAL OF DECISION NOT TO CONDUCT STEP 3 STORM SEWER SAMPLING] TECHNICAL MEMORANDUM - STEP 3 STORM SEWER SAMPLING-SAMPLING AND ANALYSIS PLAN (2137&D2/R2), PADUCAH, MCCRACKEN COUNTY, KENTUCKY KY8-890-008-982	8/14/06	KDEP	MURPHIE W.E., RAZOR, J.E.	ARFSWOU OSD
I-04610-0054.PDF	REQUEST TO EXTEND REVIEW PERIOD FOR SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2) MCCRACKEN COUNTY, KENTUCKY KY8-890-008-982	8/15/06	KDEP, KDEP	MURPHIE W.E., RAZOR J.E.	ARFSWP
I-04810-0008.PDF	PROPOSED MILESTONE EXTENSIONS FOR THE SURFACE WATER OPERABLE UNIT (ON-SITE) REMEDIAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	8/15/06	DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	ARFSWOU OSD

107

D-8

ADMINISTRATIVE RECORD  
4/01/06 THRU 9/30/06

Object Name	Title	Date On Document	Author Affiliation	To Whom	Document Status
I-05116-0052.PDF	[COMMENTS ON THE] REMOVAL ACTION WORK PLAN FOR THE C-405 INCINERATOR AND C-746-A WEST END SMELTER INACTIVE FACILITY D&D PROJECT, PADUCAH (DOE/LX/07-0002&D1) MCCRACKEN COUNTY, KENTUCKY KY8-890-008-982	8/15/06	KDEP	MURPHIE W.E., RAZOR J.E.	55-PD
I-04613-0091.PDF	REQUEST FOR CHANGE TO CONDITIONS IN THE INTERIM REMEDIAL ACTION C-400 RECORD OF DECISION AND REQUEST FOR APPROVAL OF THE INTERIM REMEDIAL ACTION C-400 REMEDIAL DESIGN WORK PLAN	8/24/06	DOE-PPPO	BANISTER B., SCOTT B.	6PHASE-PD
I-04616-0017.PDF	REQUEST TO EXTEND TIMEFRAME FOR RESPONDING TO COMMENTS REGARDING THE LUCIP: INTERIM REMEDIAL ACTION FOR THE GWOU FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PGDP, PADUCAH, KY (DOE/OR/07-2151&D2)	8/28/06	DOE-PPPO, DOE-PPPO	SCOTT B., WILLIAMS D.	6PHASE-PD
I-04613-0092.PDF	[APPROVAL GRANTED FOR] REQUEST FOR CHANGE TO CONDITIONS IN THE INTERIM REMEDIAL ACTION C-400 RECORD OF DECISION (DOE/OR/07-2150&D2/R2), AND REQUEST FOR APPROVAL OF THE INTERIM REMEDIAL ACTION C-400 REMEDIAL DESIGN WORK PLAN (DOE/OR/07-2214&D2)	9/11/06	KDEP	MURPHIE W.E., RAZOR J.E.	6PHASE-PD
I-04616-0018.PDF	[APPROVAL GRANTED FOR] REQUEST TO EXTEND TIMEFRAME FOR RESPONDING TO COMMENTS REGARDING THE LUCIP: INTERIM RA FOR THE GWOU FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PGDP, PADUCAH, KY. (DOE/OR/07-2151&D2),	9/12/06	KDEP	MURPHIE W.E., RAZOR J.E.	6PHASE-PD
I-04612-0062.PDF	[EXTENSIONS REQUESTED] PROPOSED MILESTONE EXTENSIONS FOR THE GROUNDWATER OPERABLE UNIT SOUTHWEST PLUME INTERIM REMEDIAL ACTION, PADUCAH GASEOUS DIFFUSION PLANT, MCCRACKEN COUNTY, KENTUCKY KY8-890-008-982	9/13/06	DOE-PPPO, DOE-PPPO	SCOTT R.B., WILLIAMS D.G.	ARFSWP
I-05116-0055.PDF	[COMMENTS ON THE] REMOVAL ACTION WORK PLAN FOR THE C-405 INCINERATOR AND C-746-A WEST END SMELTER INACTIVE FACILITY DECONTAMINATION AND DECOMMISSIONING PROJECT, PADUCAH, KENTUCKY (DOE/LX/07-0002&D1)	9/14/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	55-PD

103

D-9

ADMINISTRATIVE RECORD  
4/01/06 THRU 9/30/06

Object Name	Title	Date On Document	Author Affiliation	To Whom	Document Status
I-04614-0038.PDF	[APPROVAL GRANTED FOR] REQUEST TO EXTEND TIMEFRAME FOR RESPONDING TO COMMENTS REGARDING THE LUCIP: IRA FOR THE GWOU FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PGDP, PADUCAH, KY. (DOE/OR/07-2151&D1)	9/15/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	6PHASE- PD
I-04614-0039.PDF	(APPROVAL OF THE) REMEDIAL DESIGN WORK PLAN FOR THE INTERIM REMEDIAL ACTION FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING (DOE/OR/07-2214&D2) AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	9/15/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	6PHASE- PD
I-04810-0009.PDF	PROPOSED MILESTONE EXTENSIONS FOR THE SURFACE WATER OPERABLE UNIT (ON-SITE) REMEDIAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	9/15/06	USEPA-IV	MURPHIE W.E., RAZOR J.E.	ARFSWOU OSD
I-04610-0056.PDF	LETTER OF NON-CONCURRENCE FOR THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST PLUME (DOE/OR/07-2180&D2) US DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, MCCRACKEN COUNTY, KENTUCKY KY8-890-008-982	9/19/06	KDEP	MURPHIE W.E., RAZOR J.E.	ARFSWP

101

D-10

**APPENDIX E**  
**PADUCAH REMEDIAL ACTION PROGRAM**  
**REGULATORY COMMITMENT TRACKING REPORT**

October 2006

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105

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October 2006

UNCLASSIFIED  
106



## CONTENTS

DOE REGULATORY COMMITMENTS (FY, FY+1, FY+2): PRIMARY/SECONDARY DOCUMENTS BY DUE DATE.....	E-5
DOE REGULATORY COMMITMENTS (FY, FY+1, FY+2): PRIMARY/SECONDARY DOCUMENTS PAST DUE.....	E-9
DOE REGULATORY COMMITMENTS (FY, FY+1, FY+2): PRIMARY/SECONDARY DOCUMENTS WITH UNKNOWN SUBMITTAL DATE – MODIFICATIONS OR DISPUTES IN PROCESS .....	E-13
EPA/COMMONWEALTH OF KENTUCKY COMMITMENTS.....	E-17
HISTORICAL STATUS OF COMMITMENTS BY PROJECT .....	E-21

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October 2006

UNCLASSIFIED  
708

**DOE REGULATORY COMMITMENTS (FY, FY+1, FY+2):  
PRIMARY/SECONDARY DOCUMENTS BY DUE DATE**

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October 2006

UNCLASSIFIED  
110

**Remedial Action Program**  
**Primary/Secondary Documents by Due Date**

10/23/06

Description	Responsible	Due Date
P GWOU SW Plume D1 Proposed Plan	Murphie, W. \ Tarantino, Joe	10/14/06
P SWOU Phase I Assessment D1 Site Investigation/Risk Assessment Report	Murphie, W. \ Tarantino, Joe	10/15/06
* P D2 RDWP for C-405 Contaminated Items Incinerator and C-746-A West End Smelter	Murphie, W. \ Danies, Robert	10/20/06
S FFA Semiannual Progress Report	Murphie, W. \ Brindley, Tracey	10/30/06
* P Community Relations Plan (D2/R4)	Murphie, W. \ Cantrell, Yvette	11/05/06
P Paducah SMP-FY 2007 Annual Revision with annual certification of LUCIPs	Murphie, W. \ Morgan, John	11/15/06
P GWOU (C-400) D1 RA WP	Murphie, W. \ Tarantino, Joe	11/22/06
P C-400 D1 90% Remedial Design Report	Murphie, W. \ Tarantino, Joe	12/08/06
P SWOU Phase I Assessment Removal Notification	Murphie, W. \ Tarantino, Joe	12/11/06
P D1 ROD SW Plume	Murphie, W. \ Tarantino, Joe	04/19/07
S FFA Semiannual Progress Report	Murphie, W. \ Brindley, Tracey	04/30/07
P SWOU On-site D1 Action Memorandum	Murphie, W. \ Tarantino, Joe	09/30/07
S FFA Semiannual Progress Report	Murphie, W. \ Brindley, Tracey	10/30/07
P Paducah SMP-FY 2008 Annual Revision with annual certification of LUCIPs	Murphie, W. \ Morgan, John	11/15/07
P SWOU Scrap Yards Final Remedial Action Report D1	Murphie, W. \ Daniels, Robert	12/31/07

NOTE: Negotiations concerning some of the deliverables, including schedules, still are ongoing.

P - Primary documents S - Secondary documents

# - See following section for explanation

Commitments added since last report are designated with an \*

**PGDP Paducah Remediation Services, LLC Centralized Tracking  
System (MACS2)**

E-7

UNCLASSIFIED

Remedial Action Program  
Primary/Secondary Documents by Due Date

10/23/06

<b>Description</b>	<b>Responsible</b>	<b>Due Date</b>
P SWOU On-site D1 Removal Action Work Plan	Murphie, W. \ Tarantino, Joe	01/28/08
S FFA Semiannual Progress Report	Murphie, W. \ Brindley, Tracey	04/30/08
S Five Year Review of the Remedial Actions	Murphie, W. \ Tarantino, Joe	07/18/08

NOTE: Negotiations concerning some of the deliverables, including schedules, still are ongoing.

P - Primary documents S - Secondary documents

# - See following section for explanation

*Commitments added since last report are designated with an \**

**PGDP Paducah Remediation Services, LLC Centralized Tracking  
System (MACS2)**

E-8

UNCLASSIFIED

112

**DOE REGULATORY COMMITMENTS (FY, FY+1, FY+2):  
PRIMARY/SECONDARY DOCUMENTS PAST DUE**

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October 2006

UNCLASSIFIED  
774



Remedial Action Program  
Primary/Secondary Documents Past Due

10/23/06

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Description	Due Date	Comments
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*No primary/secondary documents past due as of 9/30/06.*

P - Primary documents S - Secondary documents

*Commitments added since last report are designated with an \**

**PGDP Paducah Remediation Services, LLC Centralized Tracking  
System (MACS2)**

E-11

UNCLASSIFIED  
115

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October 2006

UNCLASSIFIED

110

**DOE REGULATORY COMMITMENTS (FY, FY+1, FY+2):  
PRIMARY/SECONDARY DOCUMENTS WITH UNKNOWN SUBMITTAL  
DATE – MODIFICATIONS OR DISPUTES IN PROCESS**

October 2006

E-13

UNCLASSIFIED

117

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October 2006

UNCLASSIFIED

118

Remedial Action Program  
Primary/Secondary Documents With Unknown Submittal Date  
Modifications or Disputes In Process

10/23/06

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Description	Responsible
* P GWOU SW Plume D2 Site Investigation/Risk Assessment Report  KY issued letter of non-concurrence.  EPA has requested a 30-day extension. DOE plans to submit a recommendation to KY to place dispute on hold until EPA comments are received.	Murphie, W. \ Tarantino, Joe

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P - Primary documents S - Secondary documents

*Commitments added since last report are designated with an \**

**PGDP Paducah Remediation Services, LLC Centralized Tracking  
System (MACS2)**

E-15

UNCLASSIFIED

119

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October 2006

UNCLASSIFIED

120

**EPA/COMMONWEALTH OF KENTUCKY COMMITMENTS**

October 2006

E-17

UNCLASSIFIED  
121

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October 2006

UNCLASSIFIED

100



EPA/KY Review Status

10/25/06

Description	Document Submitted	Comment Due Date	Response Received	Status
S D2 Five-Year Review of the Remedial Actions	10/07/03	EPA		CLSD
		approved KY	12/07/03	OPEN
P GWOU SW Plume D2 Site Investigation/Risk Assessment Report	05/15/06	KY	09/14/06	ELEV
		KY issued letter of nonconcurrency.		
		EPA	10/14/06	OPEN
EPA requested 30-day extension to complete technical review of document.				
S O&M Plan for the Sediment Control Basin for Scrapyards	03/15/06	EPA	06/13/06	OPEN
		KY	06/13/06	OPEN
S GWOU (C-400) LUCIP (to be appended to approved RDR)	09/20/06	EPA	10/23/06	OPEN
		KY	10/23/06	OPEN
P D2 FY 2006 SMP with certification of LUCIPS	07/14/06	EPA	09/17/06	CLSD
		Approved KY	09/17/06	OPEN
P D2/R1 BGOU RI/FS Workplan	08/26/06	EPA	10/02/06	OPEN
		KY	10/02/06	OPEN

P - Primary documents S - Secondary documents

PGDP Paducah Remediation Services, LLC Centralized Tracking System  
(MACS2)

E-19

UNCLASSIFIED

123

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October 2006

UNCLASSIFIED

124

**HISTORICAL STATUS OF COMMITMENTS BY PROJECT**

October 2006

E-21

UNCLASSIFIED

125

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Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**BURIAL GROUND**

Description	Due Date	Submitted	Comments	
BGOU D1 WAG 3 RI Report (DOE/OR/07-1895&D1)	09/30/00	09/26/00	CRS submitted to regulators 05/10/01. A D2 document will not be submitted.	CLSD
			EPA 01/08/01 CLSD	
			KY 03/12/01 CLSD	
BGOU D1 Five-Year Review (DOE/OR/07-1822&D1)	08/22/00	08/18/00		CLSD
			EPA 09/27/00 CLSD	
			KY 03/14/01 CLSD	
BGOU D1 RI/FS WP	06/30/05	06/28/05	On 9/30/05, KY requested a 15 day extension for review of the document.	CLSD
			EPA 10/18/05 CLSD	
			KY 10/11/05 CLSD	
D2/R1 BGOU RI/FS Workplan	08/29/06	08/26/06		CLSD
			EPA 09/29/06 CLSD	
			KY 09/29/06 CLSD	

**C-400 Action**

Description	Due Date	Submitted	Comments	
D1 GWOU Six-Phase Heating TSWP (DOE/OR/07-1889&D1)	09/05/00	08/30/00	Document approved. No D2 required.	CLSD
			EPA 12/06/00 CLSD	
			KY 11/16/00 CLSD	
60% Design Drawings and Technical Specifications Pkg for the Six-Phase Heating TS (DOE/OR/07-1921&D1)	02/22/01	02/22/01		CLSD
			EPA 04/02/01 CLSD	
			KY 03/23/01 CLSD	
CQCP for the Six-Phase Heating TS (DOE/OR/07-1944&D1)	02/22/01	02/22/01		CLSD
			EPA 04/02/01 CLSD	
			KY 03/23/01 CLSD	

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**C-400 Action**

Description	Due Date	Submitted	Comments	
Certified for Construction Design Drawings and Technical Specifications Pkg for the Six-Phase Heating TS (DOE/OR/07-1921&D2)		04/09/02	<p>EPA and KY conditionally approves the construction drawings. EPA comments are to be incorporated into the next document submittal. KDAQ comments need to be addressed before the fieldwork starts.</p> <p>Letter submitted 9/03/02, addressing KDAQ air permit requirements.</p> <p>EPA      05/02/02    CLSD            KY      05/02/02    CLSD            KY      05/22/02    CLSD</p>	CLSD
GWOU (C-400) D1 ROD	08/16/04	08/16/04	<p>DOE submitted an extension request on 8/2/04, due to date the public comment period ended. KY approved extension request. EPA granted extension request.</p> <p>KY requested an extension to review the document an additional 15 days. KY submitted another extension request for 15 days. Received comments 10/21/04 from KY.</p> <p>EPA comments received on 10/4/04 by letter dated 9/30/04.</p> <p>EPA      10/04/04    CLSD            KY      10/21/04    CLSD</p>	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**C-400 Action**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
GWOU (C-400) D1 RD WP	08/11/05	08/10/05	DOE submitted a modification to extend due date 43 days from 1/30/05 to 3/14/05 based on public comment and review extensions. EPA approved the mod on 12/10/04. KY approved the mod on 12/7/04.	CLSD
			DOE submitted a modification request on 3/22/05 for 75 days from 3/14/05 to 5/28/05 based on KY review extensions of the D2 ROD. Mod approved.	
			DOE submitted a mod request for this item on 5/27/05 to 8/11/05. EPA and KY approved mod. Modification still needed to incorporated delays due to ROD reviews and revisions.	
			KY requested an additional 15 days to review the workplan.	
			EPA 11/14/05 CLSD	
			KY 10/07/05 CLSD	
GWOU (C-400) D1 Proposed Plan	01/30/04	01/30/04		CLSD
			EPA 03/08/04 CLSD	
			KY 03/08/04 CLSD	
D2 PRAP for C-400 Source Action	04/07/04	04/07/04	KY approved the D2 PRAP but had some comments and questions that require answering. EPA approved the D2 with no additional comments.	CLSD
			EPA 05/20/04 CLSD	
			KY 05/17/04 CLSD	
Final Report 6-Phase Heating Treatability Study	12/19/03	12/19/03		CLSD
			EPA 03/08/04 CLSD	
			KY 02/02/04 CLSD	
D2 Final Report 6-Phase Heating Treatability Study	04/22/04	03/31/04		CLSD
			EPA 05/24/04 CLSD	
			KY 04/28/04 CLSD	

Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**C-400 Action**

Description	Due Date	Submitted	Comments	CLSD
GWOU (C-400) D2 ROD	12/22/04	12/02/04	<p>Note: 11/20/04 is a Sat. Due date changed to reflect the following Monday. DOE took the FFA allowed extension of 30 days by letter dated 11/19/04. Date revised to 12/22/04. KY submitted a review extension letter for comments to be received by 2/4/05. KY submitted another review extension letter until 2/19/05. KY requested an additional review until 3/7/05. KY requested additional review time until 3/22/05.</p> <p>EPA approved the D2 on March 15, 2005. KY requested another extension request until 4/6/05. Another extension has been requested for 15 days by KY at DOE's behest.</p> <p>DOE submitted a D3 redline ROD on 4/20/05. KY requested a 15 day extension to 5/6/05 to review the D3 version. An additional 30 day extension was requested by KY on 5/9/05 to work out final document changes. Comments on the D3 received on 6/16/05 from KY.</p> <p>DOE submitted an official D2R1 on July 12, 2005 for review and approval. DOE submitted a D2/R2 on 8/4/05.</p> <p>DOE and EPA signed the D2R2 ROD on 8/9/05. KY provided concurrence on 8/9/05. DOE submitted the signed ROD to EPA and KY on 8/10/05.</p>	CLSD
			EPA 03/21/05	CLSD
			KY	06/16/05 CLSD



Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**C-400 Action**

Description	Due Date	Submitted	Comments	
D1 Remedial Design Support Investigation Characterization Plan C-400	09/22/05	09/22/05	Not an enforceable document with an agreed date. Document necessary in order to help design the treatment system.	CLSD
			EPA 11/03/06	CLSD
			KY 11/02/05	CLSD
D2 Remedial Design Support Investigation Characterization Plan C-400	12/02/05	12/02/05	EPA granted approval on the D1.	CLSD
			KY 01/09/06	CLSD
GWOU (C-400) LUCIP (to be appended to approved RDR)	09/20/06	09/20/06	EPA requested by correspondence dated 3/31/06 this document be submitted as a D2/R1 with the LUCIP. KY requested the document be resubmitted by correspondence dated 4/12/06.	CLSD
			30 day extension request was submitted to EPA/KY to finalize LUCIP.	
			Extension request submitted on 7/20/06 to allow for DOE legal to do a final review of policy related comments.	
			EPA	OPEN
			KY	OPEN

**C-720 ACTION**

Description	Due Date	Submitted	Comments	
GWOU (C-720) D1 Proposed Plan for C-720 (DOE/OR/07-1910&D1)	05/17/01	05/17/01	Document was to be resubmitted when D2 GWOU FS was approved. See GWOU for D2 PP, other documents, and history.	CLSD
			EPA 06/22/01	CLSD
			KY 06/19/01	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**C-720 ACTION**

Description	Due Date	Submitted	Comments	
GWOU (C-720)1 D1 ROD for C-720	11/21/01	01/17/02	D2 is required. DOE submitted an extension request per the informal dispute resolution meeting on 04/23/02. On 05/01/02, KY requested that revised modification forms be submitted.	CLSD
			DOE has not yet submitted the revised modification forms. Status is considered open until the new modification forms are submitted and approved.	
			See GWOU for D2 PP, other documents, and history.	
			EPA      02/15/02	CLSD
			KY        02/25/02	CLSD

**C-745-G AND -T CYLINDER YARD CONSTRUCTION**

Description	Due Date	Submitted	Comments	
Time-Critical Removal Notification for Petroleum-Contaminated Soil at SWMU 193 (DOE/OR/07-1999&D1)	11/20/01	12/20/01		CLSD
			EPA      12/27/01	CLSD
			KY        12/28/01	CLSD
Time-Critical Removal Notification for Petroleum-Contaminated Soil at SWMU 193 (DOE/OR/07-1999&D2)	02/19/02	02/19/02	KEDP's 03/11/02 response was conditional approval; DOE responded 03/18/02; KDEP sent final approval 03/20/02.	CLSD
			EPA      03/12/02	CLSD
			KY        03/11/02	CLSD

Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

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**CERCLA WASTE DISPOSAL**

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Description	Due Date	Submitted	Comments	
D1 C-746-U Landfill Risk Evaluation/Performance Evaluation	08/23/02	08/15/02	Submittal deferred pending resolution of negotiations with regulators on accelerated cleanup strategy.  D0 was submitted to DOE in December 2001.  D1 was provided to DOE on 02/26/02. The document was not submitted to the regulators. A revised D0 was due to DOE on 06/07/02.  EPA submitted comments on the document. EPA wants these comments resolved through the Core Team so the landfill can be approved for CERCLA-derived, nonhazardous waste disposal. KY provided comments.	CLSD
			EPA            10/21/02   CLSD KY                10/24/02   CLSD	

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Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**CERCLA WASTE DISPOSAL**

Description	Due Date	Submitted	Comments	CLSD
Seismic Investigation Report (DOE/OR/07-2038&D1)	08/09/02	07/31/02	<p>KY requested a 30-day extension to the 90 days for comments on the D1; therefore, comments are due on 12/07/02. On 12/06/02, KY asked for an additional extension for comments and requested that DOE submit a data package for an independent review. The independent review comments will be incorporated with theirs. KY will provide the comments two weeks after receipt of the data package. DOE submitted S-wave data to EPA and KY on 01/09/03.</p> <p>EPA provided comments on 12/18/02. DOE received comments via email from KY Radiation and Environmental Laboratory Division on 12/18/02. DOE received draft comments from KY via email on 02/25/03, and official comments dated 02/27/03.</p> <p>EPA      12/30/02   CLSD                      KY        12/16/02   CLSD                      KY        03/03/03   CLSD</p>	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**CERCLA WASTE DISPOSAL**

Description	Due Date	Submitted	Comments	
C-746-U Landfill Risk Evaluation/Performance Evaluation	01/21/03	01/17/03	<p>Comments received on D1. D2 resolving comments to be prepared.</p> <p>On 12/20/02, DOE requested an extension for submittal of this document until 1/10/03.</p> <p>On 1/9/03, DOE requested an additional extension due to the nature of some of the comments until 1/21/03.</p> <p>KY approved extension request until 1/21/03.</p> <p>DOE submitted document on 1/17/03. Additional information (Attachment 2) was submitted on 2/11/02.</p> <p>KY submitted comments on the D2 (received 3/26/03) and requested a revision to this document regarding the PRGs. EPA submitted additional comments received on 4/14/03. These are to be addressed before approval is granted.</p> <p>EPA 04/14/03 CLSD</p> <p>KY 03/26/03 CLSD</p>	CLSD

**Community Relations Plan**

Description	Due Date	Submitted	Comments	
D1 Background Soils Project Report for Radionuclides and Selected Inorganics at PGDP	04/15/97	04/09/97	<p>EPA 06/09/97 CLSD</p> <p>KY 06/09/97 CLSD</p>	CLSD
D2 Project Plan for the Background Soils Project at PGDP			<p>KY 05/23/96 CLSD</p>	CLSD
C-746-S&T Assessment Report	03/23/97	02/28/97	<p>KY 06/02/97 CLSD</p>	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**Community Relations Plan**

Description	Due Date	Submitted	Comments	
Response to KY comments on C-746-S&T Landfill GW Assessment Report issued 02/28/97	08/01/97	06/17/97		CLSD
			KY	CLSD
Response to Comments on Methods for Conducting Human Health Risk Assessments and Risk Evaluations at PGDP (DOE/OR/07-1506&D1)- LMES Commitment No. 650	06/30/97	06/30/97	Closed 04/10/01.	CLSD
			EPA	CLSD
			KY	02/20/98 CLSD
D2 Background Levels of Selected Radionuclides and Metals in Soils and Geologic Media at PGDP (DOE/OR/07-1586&D2)	06/30/97	06/26/97		CLSD
			EPA	07/15/97 CLSD
D2 Community Relations Plan	07/18/97	07/18/97		CLSD
			EPA	09/19/97 CLSD
			KY	CLSD
Data and Documents Management and DQ Plan for EMEF (DOE/OR/07-1595&D2)	10/06/98	10/05/98		CLSD
			EPA	11/10/98 CLSD
			KY	10/29/98 CLSD
Paducah Land Use Control Assurance Plan (DOE/OR/07-1799&D1)	04/15/99	04/15/99		CLSD
			EPA	08/16/99 CLSD
			KY	06/14/99 CLSD
Paducah Land Use Control Assurance Plan (DOE/OR/07-1799&D2)	02/07/00	02/07/00	Approved.	CLSD
			EPA	03/30/00 CLSD
			KY	03/02/00 CLSD
Revised Community Relations Plan	04/28/05	04/28/05	Not an enforceable date. Plan was revised due to being outdated.	CLSD
			EPA	07/06/05 CLSD
			KY	06/06/05 CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**Community Relations Plan**

Description	Due Date	Submitted	Comments	
Revised Community Relations Plan D2	10/04/05	10/04/05	DOE extended the response time by 30 days via correspondence dated 9/2/05.	CLSD
			EPA 12/19/06	CLSD
			KY 12/08/05	CLSD
D1 Data Management Plan	03/31/94	03/30/94		CLSD
			EPA 01/25/96	CLSD
			KY 10/22/96	CLSD
D1 Data Management Plan	05/13/98	05/12/98	Due date is 90 days after signature of FFA.	CLSD
			EPA 06/16/98	CLSD
			KY 07/08/98	CLSD
D0 Community Relations Master Plan	02/01/94	02/01/94	As agreed by all Parties, a D1 was developed once the FFA was signed.	CLSD
			EPA 10/04/94	CLSD
			KY 03/19/96	CLSD
Resubmittal of FY 1994 Deliverables	01/21/94	01/20/94		CLSD
			EPA 02/10/94	CLSD
			KY 07/25/94	CLSD
Revised FY 1995 Deliverables	01/06/95	01/09/95		CLSD
			EPA	CLSD
			KY 01/19/95	CLSD
D2 Background Concentrations and Human Health Risk-Based Screening Criteria for Metals in Soil at PGDP	09/18/95	09/22/95	Due Date changed to 9/25/95 from 9/18/95, per E-mail message from Chris Marshall regarding request made per telephone with Carlos Alvarado, DOE, to Jack Stickney of UK-AIP which was approved.	CLSD
			EPA 12/18/95	CLSD
			KY 12/11/95	CLSD
Project Plan for the Background Soils Project at PGDP	09/18/95	09/22/95		CLSD
			EPA 12/18/95	CLSD
			KY 12/11/95	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**Community Relations Plan**

Description	Due Date	Submitted	Comments	
Response to KY comments on the D2 Background Concentrations and Human Health Risk-Based Screening Criteria for Metals in Soil at PGDP	01/18/96	01/31/96	LMES submitted responses to DOE in a letter dated 01/08/1996.	CLSD
			EPA 03/22/96	CLSD
			KY 03/21/96	CLSD

**D&D OPERABLE UNIT**

Description	Due Date	Submitted	Comments	
D&D OU D1 EE/CA C-410 (DOE/OR/07-1952&D1)	05/15/01	05/14/01		CLSD
			EPA 06/11/01	CLSD
			EPA 08/13/01	CLSD
			KY 06/08/01	CLSD
			KY 08/08/01	CLSD
D&D OU C-410 D1 AM (DOE/OR/07-2002&D1)	10/31/01	05/31/02	Dispute resolution process was complete.	CLSD
			Date is past due. DOE submitted the D1 revision on 5/31/02.	
			This deliverable is on "HOLD" pending DOE's overall program review.	
			EPA 07/08/02	CLSD
			KY 07/10/02	CLSD
D&D OU C-410 D1 RAWP	10/31/01	07/08/02	Dispute resolution process was complete. Date is past due.	CLSD
			A D2 is required based on comments received from the regulators	
			DOE submitted RAWP on 7/8/02. Awaiting regulatory review and comments.	
			This deliverable is on "HOLD" pending DOE's overall program review.	
			EPA 08/14/02	CLSD
			KY 08/19/02	CLSD



Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**D&D OPERABLE UNIT**

Description	Due Date	Submitted	Comments	
D&D OU C-410 AM Signature	06/04/02	08/03/02	DOE submitted a modification request on 5/30/02. KY denies this modification, stating there was not "good cause."  EPA stated in their letter of 6/20/02, that since the SMP is in dispute, the extension requests for this project also are in dispute.  DOE signed the AM on 8/3/02.	CLSD
			EPA      07/08/02    CLSD KY        06/26/02    CLSD	
D&D OU C-410 D1 Removal Notification and SE Report (DOE/OR/07-1983&D1)	07/27/01	07/26/01		CLSD
			EPA      08/13/01    CLSD KY        08/13/01    CLSD	
D&D OU C-410 D2 EE/CA (DOE/OR/07-1952&D2)	10/07/01	10/04/01	DOE took the 30 day extension.	CLSD
			EPA & KY each granted conditional approval of the D2.	
			EPA      10/29/01    CLSD KY        11/08/01    CLSD	

Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**D&D OPERABLE UNIT**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
D&D OU C-410 D2 RAWP	09/18/02	10/22/02	Document submitted and waiting on comment and/or approval. KY conditionally approved document. DOE needs to revise document or provide errata sheets. Area requiring further discussion is the timeframe for completion of work. DOE requested the schedule requirement be part of the current dispute resolution process currently being negotiated. Errata sheets sent on 1/27/03.	CLSD
			EPA states that the D2 document is deficient due to fact that a schedule was not included. EPA will grant approval of this document provided a schedule is provided within 30 days that goes through to the post-construction report. This action is open until the schedule requested is submitted and approved. See Action # AA01-420.	
			Letter dated 3/19/03, from KY states, as agreed at the Lexington meeting, that the D2 RAWP is conditionally approved and the issue with the schedule will be worked in the future.	
			EPA 12/30/02	CLSD
			KY 11/27/02	CLSD

**DRUM MOUNTAIN**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU-Drum Mountain AM (DOE/OR/07-1863&D1)	03/17/00	03/01/00	D1 Approved	CLSD
			EPA 03/14/00	CLSD
			KY 03/14/00	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**DRUM MOUNTAIN**

Description	Due Date	Submitted	Comments	
SWOU-Drum Mountain D1 RAWP (DOE/OR/07-1870&D1)	05/18/00	04/20/00		CLSD
			EPA 05/26/00	CLSD
			KY 05/17/00	CLSD
SWOU-Drum Mountain EE/CA (DOE/OR/07-1848&D1)	11/08/99	11/05/99		CLSD
			EPA 12/20/99	CLSD
			KY 12/02/99	CLSD
SWOU-Drum Mountain D2 RAWP (DOE/OR/07-1870&D2)	05/19/00	05/19/00		CLSD
			EPA 06/16/00	CLSD
			KY 06/08/00	CLSD
SWOU-Drum Mountain D1 Removal Action Report (DOE/OR/07-1962&D1)	05/04/01	05/03/01	EPA approved. Still waiting approval from KY.	CLSD
			EPA 05/16/01	CLSD
			KY 05/11/05	CLSD

**FFA 5-Year OU Reviews**

Description	Due Date	Submitted	Comments	
Five-Year ROD Review (SW Institutional Controls ICMs, Scrapyards Silt Fence ICMs, NSDD IRA ROD, WAGs 1&7 RA, and planned activities for SWOU) DOE/OR/07-1822&D1	08/17/99	08/17/99		CLSD
			EPA	CLSD
			KY 07/17/00	CLSD
D1 Five-Year Review of the Remedial Actions	07/18/03	07/17/03	DOE requested a 45 day review time frame instead of the 90-days. Comments are requested by 09/02/03.	CLSD
			Kentucky requested a revision to the document that addressed the water policy. In addition, they had specific questions to be answered via letter by DOE. EPA also provided comments to be addressed.	
			EPA 08/22/03	CLSD
			KY 08/14/03	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**FFA Quarterly Report**

Description	Due Date	Submitted	Comments	
ER Program Quarterly Report	07/31/96	07/25/96	EPA has never commented on a quarterly report; therefore, this item was closed.	CLSD
			EPA                      OPEN	
			KY                      09/10/96 CLSD	

**GROUNDWATER GENERAL**

Description	Due Date	Submitted	Comments	
D1 Five-Year Review of Water Policy	08/31/98	08/28/98	Issues regarding this document are addressed in the GWOU Five-Year Review submitted 09/17/99.	CLSD
			EPA            12/17/98 CLSD	
			KY                      CLSD	
D1 Groundwater Strategy Document	06/30/93	06/28/93	This document will be an appendix to the SMP.	CLSD
			EPA            04/18/94 CLSD	
			KY                      06/16/94 CLSD	
D1 Water Policy EE/CA	05/19/93	05/17/93		CLSD
			EPA            06/24/94 CLSD	
			KY                      07/13/93 CLSD	
D1 Action Memorandum-Water Policy	10/26/93	10/22/93		CLSD
			EPA            11/09/93 CLSD	
			KY                      04/28/94 CLSD	
D2 Groundwater Strategy Document	08/15/94	08/29/94	Per ROC dated 03/27/96, this document is no longer necessary as agreed by KY, EPA, and DOE. It is superseded by the current SMP and later, by the groundwater and surface water integrator unit documents.	CLSD
			KY                      01/05/96 CLSD	
D2 Water Policy EE/CA	07/29/93	07/29/93		CLSD
			EPA            08/13/93 CLSD	
			KY                      08/25/93 CLSD	
D2 Action Memorandum-Water Policy	12/28/93	06/09/94		CLSD
			EPA            09/02/94 CLSD	
			KY                      09/25/95 CLSD	

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**GROUNDWATER GENERAL**

Description	Due Date	Submitted	Comments	
D1 Postconstruction Report for Water Policy Implementation	07/30/95	07/27/95		CLSD
			EPA 08/25/95	CLSD
			KY 08/25/95	CLSD

**GROUNDWATER NORTHEAST IRA**

Description	Due Date	Submitted	Comments	
O&M Plan for the NE Plume Groundwater System IRA (DOE/OR/07-1535&D3 Rev.2)	01/15/02	01/29/02	Semiannual progress report stated that revised O&M plan will be submitted by 1/15/02.	CLSD
			EPA	CLSD
			KY	CLSD
95% Design Package for construction of pipeline from extraction wells to security fence-Northeast Plume	07/26/96	07/22/96	This is in place of the CFC that was due on 07/02/96, that was changed due to changes in design.	CLSD
			EPA 08/14/96	CLSD
			KY 07/31/96	CLSD
Northeast Plume IRA 1 Postconstruction Report	01/30/97	02/07/97	Proposed 1997 deliverable	CLSD
			EPA	CLSD
			KY 11/18/97	CLSD
Northeast Plume IRA 1 O&M Plan	12/25/96	11/06/96		CLSD
			EPA 12/23/96	CLSD
			KY 12/09/96	CLSD
D2 O&M Plan-Northeast Plume Containment System	04/01/97	03/28/97		CLSD
			KY 05/06/97	CLSD
D3 O&M Plan-NE Plume IRA	01/23/98	01/21/98		CLSD
			EPA	CLSD
			KY 02/12/98	CLSD
NE Plume O&M Plan for IRA (DOE/OR/07-1535&D3, Rev 1)	01/04/99	01/04/99		CLSD
			EPA	CLSD
			KY 06/07/99	CLSD
D1 Field Sampling Plan-Northeast Plume	01/13/94	01/12/94		CLSD
			EPA 03/07/94	CLSD
			KY 02/18/94	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**GROUNDWATER NORTHEAST IRA**

Description	Due Date	Submitted	Comments	CLSD
D1 Preliminary Characterization Summary Report-Northeast Plume	02/07/95	02/06/95		CLSD
			EPA 05/01/95	CLSD
			KY 05/04/95	CLSD
D1 ICM Work Plan-Northeast Plume	10/05/93	10/04/93		CLSD
			EPA 11/05/93	CLSD
			KY 12/27/93	CLSD
D2 ICM Work Plan-Northeast Plume	01/15/94	01/24/94	Approved 3/7/94	CLSD
			EPA 03/07/94	CLSD
			KY 02/18/94	CLSD
D1 Technical Memorandum for Northeast Plume	02/02/95	01/31/95		CLSD
			EPA 02/08/95	CLSD
			KY 02/15/95	CLSD
D1 ROD-Northeast Plume	05/24/95	05/23/95	Signature Dates: DOE: 06/06/95 EPA: 06/15/95 KY concurrence by permit modification 06/26/95	CLSD
			EPA 05/24/95	CLSD
			KY 06/05/95	CLSD
D2 Technical Memorandum for Northeast Plume	02/27/95	03/03/95		CLSD
			EPA 03/10/95	CLSD
			KY 03/10/95	CLSD
DOE D2 ROD Signature-Northeast Plume	06/14/95			CLSD
			EPA 06/15/95	CLSD
			KY 06/26/95	CLSD
D1 Proposed Plan for Northeast Plume	02/02/95	01/31/95		CLSD
			EPA 02/08/95	CLSD
			KY 02/15/95	CLSD
D2 Proposed Plan for Northeast Plume	02/27/95	03/03/95		CLSD
			EPA 03/10/95	CLSD
			KY 03/10/95	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**GROUNDWATER NORTHEAST IRA**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
30% Design for extraction well field complete-Northeast Plume	01/04/96	12/28/95	Dates and structure have been changed per ROC dated 12/28/95, from DOE to EPA and KY that outlines such an agreement.	CLSD
			EPA 01/28/96	CLSD
			KY 01/26/96	CLSD
30% Design Document for construction of pipelines from extraction wells to security fence-Northeast Plume	04/30/96	04/22/96	Dates and structure have been changed per ROC dated 12/28/95, from DOE to EPA and KY that outlines such an agreement.	CLSD
			EPA 06/05/96	CLSD
			KY 05/23/96	CLSD
30% Design Document for construction of pipelines from cooling towers to security fence-Northeast Plume	03/12/96		Dates and structure have been changed per ROC dated 12/28/95, from DOE to EPA and KY that outlines such agreements.	CLSD
			EPA 06/05/96	CMPL
			KY	CMPL
90% Design Document for construction of pipelines from cooling towers to security fence-Northeast Plume	04/16/96	04/05/96	Dates and structure have been changed per ROC dated 12/28/95, from DOE to EPA and KY that outlines such agreements.	CLSD
			EPA 06/10/96	CLSD
			KY 04/23/96	CLSD

**GROUNDWATER NORTHWEST IRA**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
D1 RI Report (Baseline RA)-Dissolved-Phase Risk Assessment	08/01/94	07/29/94	On hold based on EPA/KY negotiations	CLSD
			EPA 06/26/95	OPEN
			KY	OPEN
D1 Feasibility Study Work Plan-Dissolved-Phase Northwest Plume	04/10/94	04/26/94		CLSD
			EPA 09/12/94	CLSD
			KY 08/02/94	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**GROUNDWATER NORTHWEST IRA**

Description	Due Date	Submitted	Comments	
D2 Feasibility Study Work Plan-Dissolved-Phase Northwest Plume	08/10/94	11/09/94		CLSD
			EPA KY	CLSD 03/14/95 CLSD

**GROUNDWATER NORTHWEST IRA 1**

Description	Due Date	Submitted	Comments	
O&M Plan for the NW Plume Groundwater System IRA (DOE/OR/07-1253&D4 Rev. 2)	01/15/02	01/29/02	Semiannual progress report stated that revised O&M plan will be submitted by 1/15/02.	CLSD
			EPA KY	CLSD CLSD
Explanation of Significant Differences the Northwest Plume IRA	08/05/96	08/05/96		CLSD
			EPA KY	11/25/96 CLSD 08/27/96 CLSD
D1 Five-Year ROD Review-NW Plume	07/13/98	07/09/98	Issues regarding this document are addressed in the GWOU Five-Year Review submitted 09/17/99.	CLSD
			EPA KY	CLSD 09/29/98 CLSD
D4 O&M Plan-NW Plume IRA	01/23/98	01/21/98		CLSD
			EPA KY	CLSD 05/04/98 CLSD
NW Plume O&M Plan for IRA (DOE/OR/07-1253&D4, Rev 1)	01/04/99	01/04/99		CLSD
			EPA KY	CLSD 05/17/99 CLSD
D1 ICM Work Plan-Northwest Plume IRA 1	05/22/92	05/21/92		CLSD
			EPA KY	CLSD 04/02/93 CLSD
D1 FS/PP-Northwest Plume IRA 1	03/08/93	03/03/93		CLSD
			EPA KY	03/12/93 CLSD CLSD



Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**GROUNDWATER NORTHWEST IRA 1**

Description	Due Date	Submitted	Comments	
D1 IROD-Northwest Plume IRA 1	05/03/93	05/17/93	Signature Dates: DOE 07/16/93 EPA 07/22/93 KY 08/13/93	CLSD
			EPA 05/17/93	CLSD
			KY 06/23/93	CLSD
D1 RD Work Plan-Northwest Plume IRA 1	05/10/93	05/04/93		CLSD
			EPA 09/01/93	CLSD
			KY 09/01/93	CLSD
D1 Remedial Action Work Plan-Northwest Plume IRA 1	11/05/93	11/05/93		CLSD
			EPA 12/14/93	CLSD
			KY 03/28/94	CLSD
D1 Remedial Design Report-Northwest Plume IRA 1	12/04/93	10/30/93		CLSD
			EPA 11/10/93	CLSD
			KY 12/03/93	CLSD
D1 Northwest Plume Groundwater Screening Risk Assessment	12/20/93	12/17/93	Comments will be addressed as part of the Risk Assessment Strategy included in the SMP.	CLSD
			EPA 06/21/94	CLSD
			KY 01/17/95	CLSD
D1 TSWP (Iron Filings)-Northwest Plume IRA 1	10/30/93	07/29/94		CLSD
			EPA 01/12/95	CLSD
			KY	CLSD
D2 ICM Work Plan-Northwest Plume IRA 1	01/16/93	03/06/93		CLSD
			EPA 04/02/93	CLSD
			KY 04/02/93	CLSD
D2 FS/PP-Northwest Plume IRA 1	04/01/93	03/16/93		CLSD
			EPA 04/15/93	CLSD
			KY	CLSD
D2 IROD-Northwest Plume IRA 1	06/30/93	06/28/93		CLSD
			EPA 07/14/93	CLSD
			KY	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**GROUNDWATER NORTHWEST IRA 1**

Description	Due Date	Submitted	Comments	
D2 Remedial Design Report-Northwest Plume IRA 1	01/02/94	12/22/94		CLSD
			EPA 02/14/94	CLSD
			KY 03/15/94	CLSD
D2 TSWP (Iron Filings)-Northwest Plume IRA 1	02/16/95	02/02/95		CLSD
			EPA	CLSD
			KY 04/19/95	CLSD
D1 O&M Plan-Northwest Plume IRA 1	05/31/94	05/27/94		CLSD
			EPA 08/26/94	CLSD
			KY 11/17/94	CLSD
D2 O&M Plan-Northwest Plume IRA 1	12/06/94	12/05/94		CLSD
			EPA 03/06/95	CLSD
			KY 01/09/95	CLSD
Response to EPA/KY comments on D1 Remedial Action Work Plan-Northwest Plume IRA 1	03/22/94	03/22/94		CLSD
			EPA 03/28/94	CLSD
			KY 03/28/94	CLSD
Request for extension for D2 ICM Work Plan-Northwest Plume IRA 1	12/21/92	12/21/93		CLSD
			EPA 01/22/92	CLSD
			KY	CLSD
Northwest Plume IRA 1-ROD Signature	07/24/93	07/16/93		CLSD
			EPA 07/22/93	CLSD
			KY 08/13/93	CLSD
D1 Remedial Action Report (Postconstruction Report)-Northwest Plume IRA 1	04/03/95	09/05/95		CLSD
			EPA 09/28/95	CLSD
			KY 09/11/95	CLSD
D1 Phase I Site Investigation Work Plan	01/22/89	01/20/89		CLSD
			EPA 02/22/89	CLSD
			KY 02/21/89	CLSD
D2 Phase I Site Investigation Work Plan	03/24/89	03/23/89	Submitted additional response to comments to NREPC on 4/3/89.	CLSD
			EPA 04/10/89	CLSD
			KY 03/30/89	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**GROUNDWATER NORTHWEST IRA 1**

Description	Due Date	Submitted	Comments	
D1 Phase I Site Investigation Report	07/21/90	12/21/90		CLSD
			EPA 02/19/91 CLSD KY 02/19/91 CLSD	
Response to 5/25/90 EPA/KY Response to second extension request for D1 Phase I Site Investigation Report	06/08/90	06/07/90		CLSD
			EPA 12/21/90 CLSD KY 06/29/90 CLSD	
D1 Phase II Site Investigation Work Plan	07/17/90	07/17/90		CLSD
			EPA 08/20/90 CLSD KY 08/28/90 CLSD	
D1 Phase II Site Investigation Report	10/28/91	10/25/91	EPA required no further revisions; however, the Final Report will not be approved until a complete schedule for implementation of post-Phase II activities is approved.	CLSD
			EPA 02/06/92 CLSD KY 02/06/92 CLSD	
D1 Phase II Public Health and Ecological Assessment	12/29/91	12/19/91	Review comments to be addressed in post-Phase II documents submitted in accordance with approved schedules. Draft report not required to be finalized but to support the final documents developed in accordance with the Administrative Consent Order/SMP.	CLSD
			EPA 12/07/92 CLSD KY 12/07/92 CLSD	
EPA/KY response to D2 Phase II Site Investigation Report		09/14/90		CLSD
			EPA 10/09/90 CLSD KY 11/26/94 CLSD	
D3 O&M Plan-Northwest Plume IRA 1	10/01/95	09/28/95		CLSD
			EPA 03/06/96 CLSD KY 12/08/95 CLSD	

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**GROUNDWATER NORTHWEST IRA 2**

Description	Due Date	Submitted	Comments	
D1 Focused Feasibility Study- Northwest Plume Source Containment	01/20/94	01/19/94	Agreements made to further delay action on the Northwest Plume.	CLSD
			EPA 04/26/94 CLSD KY 06/09/94 CLSD	
D2 Focused Feasibility Study-Northwest Plume Source Containment	07/01/94	08/03/94		CLSD
			EPA 12/02/94 CLSD KY 12/02/94 CLSD	
D1 Proposed Plan-Northwest Plume Source Containment	08/02/94	09/07/94	Received letter on 12/02/94, disapproving the report based on agreements made to delay further action on the Northwest Plume.	CLSD
			EPA 12/02/94 CLSD KY 12/02/94 CLSD	

**GROUNDWATER OU**

Description	Due Date	Submitted	Comments	
GWOU D1 TS Work Plan for the Permeable Treatment Zone (DOE/OR/07-1861&D1)	03/18/00	03/08/00		CLSD
			EPA 04/10/00 CLSD KY 04/20/00 CLSD	
Mass Water Balance Report-GWOU (DOE/OR/07-1888&D1)	06/15/00	06/16/00		CLSD
			KY 09/22/00 CLSD	
Permeable Treatment Zone (PTZ) 60% Design Drawings and Technical Spec Package (DOE/OR/07- 1875&D1)	04/05/00	04/05/00		CLSD
			EPA CLSD KY 04/24/00 CLSD	
GWOU D2 TS Work Plan for the PTZ at the PGDP (DOE/OR/07-1861&D2)	05/19/00	05/19/00	Approved on condition that errata inserts be provided.	CLSD
			EPA 06/16/00 CLSD KY 06/13/00 CLSD	

**Environmental Restoration Program  
Historical Status of Commitments by Project**

10/23/06

**GROUNDWATER OU**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
90% Design Drawings and Technical Spec Package for the PTZ TS at the PGDP (DOE/OR/07-1875&D1/R1)	05/19/00	05/19/00		CLSD
			EPA	06/29/00 CLSD
			KY	06/13/00 CLSD
Draft final CFC Design Drawings and Technical Specifications Package w/CRS for the PTZ (DOE/OR/07-1875&D2)	07/14/00	07/14/00		CLSD
			EPA	CLSD
			KY	07/31/00 CLSD
D2 Construction Quality Control Plan (CQCP) for PTZ at PGDP (DOE/OR/07-1864&D2)	05/30/00	05/19/00		CLSD
			EPA	07/10/00 CLSD
			KY	02/22/01 CLSD
D2 FS Report-GWOU DOE/OR/07-1857&D2	08/03/01	08/22/01		CLSD
			EPA	09/18/01 CLSD
			KY	09/24/01 CLSD
GWOU FS (Internal Draft DOE/OR/07-1857)	06/13/01	06/13/01		CLSD
			EPA	CLSD
			KY	CLSD
GWOU D2 PRAP (DOE/OR/07-1910&D2)	08/30/01	08/30/01	Ky comments received.	CLSD
			EPA	10/05/01 CLSD
			KY	09/24/01 CLSD
GWOU D2 PRAP (DOE/OR/07-1910&D2/R1)	10/16/01	10/24/01	EPA granted conditional approval, requesting revised final.	CLSD
			EPA	10/29/01 CLSD
			KY	10/30/01 CLSD
GWOU D2 PRAP (DOE/OR/07-1910&D2/R2)	11/14/01	11/20/01	No response required. This revision satisfies EPA's conditional approval granted with the first revision.	CLSD
			EPA	CLSD
			KY	11/28/01 CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**GROUNDWATER OU**

Description	Due Date	Submitted	Comments	
D1 SAP for Groundwater OU	06/16/98	06/16/98		CLSD
			EPA 08/07/98	CLSD
			KY 07/20/98	CLSD
D2 SAP to Support a Side-Wide Remedial Evaluation for Source Areas Contributing to Off-Site GW Contamination (DOE/OR/07-1719&D2)-GWOU	09/19/98	09/10/98		CLSD
			EPA 11/10/98	CLSD
			KY 10/29/98	CLSD
D1 FS Report-GWOU DOE/OR/07-1857&D1	07/14/00	07/13/00	DOE requested an extension on submittal from 06/18/00 to 07/14/00.	CLSD
			EPA 11/01/00	CLSD
			KY 01/08/01	CLSD
GWOU Five-Yr Review (Water Policy, NW Plume IRA ROD, NE Plume IRA ROD, and Lasagna) (DOE/OR/07-1823&D1)	09/21/99	09/17/99	EPA and KY are not required to comment on Secondary Documents.	CLSD
			EPA OPEN	
			KY 01/10/00	CLSD
FS Work Plan Scoping Document for the GWOU (DOE/OR/07-1757&D1) (D2 will be submitted 18 days after D1 comments are resolved)	02/03/99	02/03/99		CLSD
			EPA 06/14/99	CLSD
			KY 05/14/99	CLSD



Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**GROUNDWATER OU**

Description	Due Date	Submitted	Comments	
TSWP for C-Sparge, Groundwater Operable Unit (DOE/OR/07-2018&D2) and the Draft Technology Installation and Operations Manual for the Treatability Study C-Sparge (DOE/OR/07-2026)	09/01/02	08/28/02	On June 6, a comment resolution meeting was held on the D1. Responses have been incorporated into this document.	CLSD
			This project is not funded in FY03. Received comments from KY on 12/9/02 on the D2 document. KY requests an addendum to the document before approval will be granted. DOE responded to KY 12/9/02 letter on 12/18/02 and proposed additional geochemical modeling as an addendum to the sampling plan. Kentucky approved this letter as an addendum by correspondence dated 1/9/03.	
			Based upon agreed upon milestones (4/15/03) and ongoing negotiations among the DOE, KDEP, and EPA, C-Sparge TS will not occur; therefore, it is being eliminated as a project and the rule authorization letter from EPA is not needed.	
			EPA KY	OPEN 12/09/02 CLSD

**GW S&T**

Description	Due Date	Submitted	Comments	
GWOU ROD 3 S&T Site Investigation Work Plan for the C-746-S&T Landfill (Scoping Plan)	09/30/03	09/26/03	Issue open until comments received. DOE requested comments to expedited with a due date of 10/29/03.	CLSD
			EPA KY	11/03/03 CLSD 10/30/03 CLSD
GWOU ROD 3 S&T Site Evaluation	09/30/05	09/30/05	EPA requested an additional 30 days to review document.	CLSD
			EPA KY	12/12/05 CLSD 11/02/05 CLSD



Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**GW S&T**

Description	Due Date	Submitted	Comments	
GWOU ROD 3 S&T D2 Site Investigation Work Plan for the C-746-S&T Landfill (Scoping Plan)	12/18/03	11/25/03	KY granted conditional approval. EPA submitted additional comments that require addressing before approval is granted. On 3/3/04, DOE submitted errata sheets and addressed comments on the D2.  On 3/23/04, KY stated that only 2 of the 3 conditions have been met and that approval is not yet granted pending final submittal analytical methods and detection limits to be used for this investigation. On 4/15/04, DOE submitted a modification sheet addressing final comments.  EPA 01/12/04 CLSD EPA 03/29/04 CLSD KY 01/07/04 CLSD KY 04/26/04 CLSD	CLSD
GWOU ROD 3 S&T Site Evaluation	02/10/06	02/10/06	EPA 03/07/06 CLSD KY 03/01/06 CLSD	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**LASAGNA**

Description	Due Date	Submitted	Comments	CLSD
GWOU Lasagna D1 Remedial Action Report	07/09/02	09/05/02	Forecast date was 9/6/02. The 7/9/02 date was based on a 10/01/99 start. Actual start date was 12/30/99. A modification was never submitted due to Top-to-Bottom review.  On 7/12/02, DOE submitted a modification request to extend the date. KY approved the modification request. EPA has not approved the modification request to date.  KY and EPA approved the document.  EPA      10/31/02   CLSD KY        07/26/02   CLSD KY        10/25/02   CLSD	CLSD
D1 Proposed Plan-Lasagna (SWMU 91)	01/11/98	08/13/97	EPA      10/14/97   CLSD KY        10/31/97   CLSD	CLSD
D1 ROD-Lasagna	05/08/98	05/05/98	EPA      05/18/98   CLSD KY        06/12/98   CLSD	CLSD
DOE ROD Signature-Lasagna	07/13/98	07/09/98	DOE signed 07/09/98. KY concurred 06/09/98. EPA signed 08/10/98. (A 06/09/98 letter from KDEP gave conditional approval of the D1 ROD. KDEP representatives related in conversation on 09/21/98 that the 06/09/98 letter serves as their concurrence for this ROD.)  EPA      08/10/98   CLSD	CLSD
D2 Feasibility Evaluation for TCE-Contaminated Soil at SWMU 91-Lasagna	07/15/97	07/15/97	EPA      10/06/97   CLSD KY        10/01/97   CLSD	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**LASAGNA**

Description	Due Date	Submitted	Comments	
D3 Feasibility Evaluation for TCE-Contaminated Soil at SWMU 91-Lasagna	12/05/97	12/05/97		CLSD
			EPA 03/30/98 KY 03/02/98	CLSD CLSD
D2 PRAP-Lasagna (SWMU 91)	12/08/97	12/05/97		CLSD
			EPA 02/02/98 KY 02/25/98	CLSD CLSD
D3 PRAP for SWMU 91-Lasagna	02/17/98	02/17/98		CLSD
			KY 03/02/98	CLSD
D1 Remedial Design Rpt (90 percent) RA Work Plan and D1 Construction QC Plan for RA at SWMU 91, WAG 27-Lasagna (DOE/OR/07-1811&D1)	05/18/99	05/17/99		CLSD
			EPA 07/01/99 KY 06/22/99	CLSD CLSD
O&M Plan for Lasagna Phase IIb In Situ Remediation of SWMU 91 (DOE/OR/07-1814&D1)	06/03/99	06/02/99		CLSD
			EPA 07/01/99 KY 08/06/99	CLSD CLSD
Postconstruction Report for Lasagna IIb In Situ Remediation of SWMU 91 (DOE/OR/07-1856&D1)	01/24/00	01/21/00		CLSD
			EPA 03/14/00 KY 03/27/00	CLSD CLSD
O&M Plan for Lasagna Phase IIb In Situ Remediation of SWMU 91 (DOE/OR/07-1814&D2)	09/20/99	09/17/99	EPA approval received 12/13/99. KY is not required to comment on Secondary Documents.	CLSD
			EPA 12/13/99 KY	CLSD OPEN

**Non-Time Critical Removal Actions**

Description	Due Date	Submitted	Comments	
EE/CA for the C-405 Incinerator, C-746-A West End Smelter, and C-402 Limehouse	05/19/05	06/09/05		CLSD
			EPA 07/06/05 KY 07/12/05	CLSD CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**Non-Time Critical Removal Actions**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
D2 EE/CA for the C-405 Inincerator, C-746-A West End Smelter, and C-402 Limehouse	08/11/05	08/04/05		CLSD
			EPA 09/07/05	CLSD
			KY 08/22/05	CLSD
Action Memorandum for the C-402 Limehouse, C-746-A West End Smelter, and the C-410 incinerator	11/30/05	09/28/05		CLSD
			EPA 11/04/05	CLSD
			KY 11/03/05	CLSD
Action Memorandum for the C-402 Limehouse, C-746-A West End Smelter, and the C-410 incinerator	12/05/05	12/05/05	Date is 12/5/05 due to weekend.	CLSD
			EPA 12/20/05	CLSD
			KY 12/14/05	CLSD
RAWP for Removal of the C-402 Limehouse	02/03/06	02/03/06	DOE requested a 15 day extension. Date revised from 1/19/06 to 2/3/06.	CLSD
			Kentucky approved the RAWP provided that DOE would forward a more specific waste determination protocol for PCB wastes, subject to regulatory approval.	
			EPA 03/07/06	CLSD
			KY 03/07/06	CLSD

**NSDD**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU Scrap Yards D1 NSDD Proposed RA Plan (DOE/OR/07-1923&D1)	01/08/01	01/05/01		CLSD
			EPA 02/08/01	CLSD
			KY 03/12/01	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**NSDD**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU NSDD D1 ROD	03/28/01	12/20/01	Received "contained in" comments from KY on 03/11/02. D2 ROD now due on 04/10/02.  New strategy developed from the D1 ROD. The remedial action became a removal action, which resulted in the need for a removal notification to be submitted and an Action Memorandum.	CLSD
			EPA 01/28/02 CLSD KY 02/04/02 CLSD	
SWOU NSDD D1 Remedial Design/Remedial Action WP for Hardpiping (DOE/OR/07-1967&D1)	04/30/01	02/07/02	D2 is required; official comments will not be provided until the ROD is signed. This will then determine the D2 date.	CLSD
			EPA 03/07/02 CLSD KY 03/18/02 CLSD	
SWOU Scrap Yards D2 Focused FS for NSDD (DOE/OR/07-1922&D2) (previously RAAA)	03/10/01	03/08/01		CLSD
			EPA 03/26/01 CLSD KY 03/29/01 CLSD	
SWOU Scrap Yards D2 NSDD Proposed RA Plan (DOE/OR/07-1923&D2)	04/11/01	03/21/01		CLSD
			EPA 04/18/01 CLSD KY 04/20/01 CLSD	
SWOU NSDD D2 PRAP (DOE/OR/07-1923&D2/Rev. 1)	09/21/01	09/21/01	Approved.	CLSD
			EPA 09/27/01 CLSD KY 09/28/01 CLSD	

Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**NSDD**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU NSDD D1 Remedial Design/Remedial Action WP for Phase I Surge Basin	12/24/02	11/25/02	<p>Modification to include in Appendix C was submitted 12/01, with a proposed milestone date of 03/05/02. Not an enforceable commitment until modification is approved. Modification was never approved.</p> <p>The NSDD ROD was signed on 09/25/02; it specified that the D1 RD/RAWP for the surge basin would be due 90 days from ROD signature.</p> <p>DOE requested accelerated review times for the document. Both EPA and KY extended the review times for 30 days for the D1 Work Plan. EPA and KY provided comments on the RAWP which were received on 01/30/03.</p> <p>EPA      01/30/03   CLSD            KY        01/30/03   CLSD</p>	CLSD

Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**NSDD**

Description	Due Date	Submitted	Comments	
SWOU NSDD D1 RD/RAWP for Phase II Activities	02/03/04	09/12/03	<p>NSDD ROD was signed for Phase I and Phase II inside the fence on 9/25/02. Schedule in ROD states that this will be submitted as specified in approved Phase I RD/RAWP. Phase I Hardpiping Work Plan specifies it will be submitted 90 days after approval of the Phase I Surge Basin RD/RAWP.</p> <p>SMP dispute resolution of 04/15/03, established new milestones for this project instead of what was in the ROD.</p> <p>The conditional approval of the NSDD RAWP Surge Basin was disputed on 5/15/03. Dispute was resolved 8/7/03, which resulted in a schedule delay (from 9/30/03 to 2/3/04). DOE submitted a modification request on 8/25/03. DOE received approval of the modification request from KY and EPA (letters dated 9/10/03 and 9/8/03, respectively). DOE needs to submit the modification form for signature prior to the dates becoming official. Form submitted and approved by regulators.</p>	CLSD
			EPA 11/02/03	CLSD
			KY 10/20/03	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**NSDD**

Description	Due Date	Submitted	Comments	
SWOU NSDD D1 Final Remedial Action Report	05/16/05	05/12/05	<p>Modification to include in Appendix C was submitted 12/01 with a milestone date of 02/05/04. Not an enforceable commitment until modification is approved. Regulators requested DOE submit modification form.</p> <p>NSDD ROD signed 09/25/02, for Phase I and Phase II inside the fence. Submittal date not specified in the work plan.</p> <p>EPA      07/06/05   CLSD KY        07/25/05   CLSD</p>	CLSD
SWOU NSDD D2 Remedial Design/Remedial Action WP for Hardpiping (DOE/OR/07-1967&D2)	04/17/02	09/26/02	<p>This document previously was issued as the Removal Action WP for the Piping and Pump Modifications on 06/17/02. This document was reissued as the Remedial Design/ Remedial Action for the Piping and Pump Modifications. DOE requested the regulators review and provide approval or comments within 30 days.</p> <p>EPA and KY approved the document.</p> <p>EPA      10/21/02   CLSD KY        10/14/02   CLSD</p>	CLSD



Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**NSDD**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU NSDD ROD Signature	06/26/01	10/10/02	<p data-bbox="1040 368 1453 585">Modification to delete milestone was submitted. Neither agency signed the modification form. Footnote in modification request stated that the proposed date is consistent with the FY 02 D1 SMP.</p> <p data-bbox="1040 606 1453 819">The D2 Rod was submitted 08/02/02. EPA and KY revised the ROD and then signed it. DOE received their signed ROD on 08/22/02. DOE needed to sign the ROD and then KY could issue letter of concurrence.</p> <p data-bbox="1040 840 1453 946">KY issued letter of concurrence on 09/18/02, and DOE signed the ROD on 09/25/02.</p> <p data-bbox="1040 968 1453 1159">KY and EPA issued letters of concurrence dated 12/10/02, on the signed D2 ROD. These letters provided milestone dates to be incorporated into the D2 RAWP.</p> <p data-bbox="1040 1159 1453 1202">EPA      08/22/02    CLSD</p> <p data-bbox="1040 1202 1453 1240">KY        08/22/02    CLSD</p>	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**NSDD**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU NSDD D2 Remedial Design/Remedial Action WP for Phase I Surge Basin	03/01/03	02/28/03	<p>D1 was submitted on 11/25/02. Comments were received 01/30/03. D2 was submitted on 02/28/03.</p> <p>KY granted conditional approval 04/03/02. DOE had 30 days (until 05/02/03) from date of receipt to dispute conditions.</p> <p>EPA granted approval 04/09/03. EPA approved all revisions to the documents except for the LUCIP. LUCIP was conditionally approved.</p> <p>DOE invoked dispute resolution on 05/01/03.</p> <p>DOE met with the regulators on 05/15/03, to resolve the informal dispute. DOE requested a 15-day extension of the informal dispute.</p> <p>Formal dispute was invoked 07/16/03. A senior manager's meeting was held on 07/17/03. The parties have resolved the technical issues. By correspondence dated 08/07/03, KY approved the D2 RD/RAWP. Dispute resolved 08/07/03, at the senior managers' meeting.</p> <p>EPA      04/14/03   CLSD KY        04/03/03   CLSD</p>	CLSD

**Environmental Restoration Program  
Historical Status of Commitments by Project**

10/23/06

**NSDD**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU NSDD D2 Remedial Design/Remedial Action WP for Phase II Activities (Section 1)	12/02/03	12/01/03	DOE requested comments by 12/31/03. KY requested an extension until 2/4/04, by correspondence dated 1/5/04.  On 1/15/04, DOE discussed with the regulators the waste characterization sampling strategy to be implemented for Section 1 of the NSDD. An agreement was reached to collect 30 waste characterization samples.  KY requested a second extension until 2/19/04. On 2/20/04, KY faxed their approval notification, with the requirement to resend a revised document based on the changes in the attached document to their letter.  The revised document (D2/R1) was submitted on 2/25/04. On 3/23/04, EPA approved the D2/R1 document.  EPA      03/26/04    CLSD KY        02/20/04    CLSD	CLSD
SWOU NSDD Sampling and Analysis Plan for NSDD Phase I (including Phase II schedule for submission of the Phase II D1 RD/RA Work Plan) and the D1 LUCIP	12/24/02	11/25/02	NSDD ROD signed on 09/25/02. ROD specifies submittal date as being 90 days from ROD Signature. DOE requested an accelerated review period of the documents. Sampling Plan was submitted as an Appendix to the Phase I Surge Basin RD/RAWP.  KY and EPA did not approve the documents; they provided comments that need to be resolved.  EPA      01/30/03    CLSD KY        01/30/03    CLSD	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**NSDD**

Description	Due Date	Submitted	Comments	
SWOU NSDD Sampling and Analysis Plan for NSDD Phase I (including Phase II schedule for submission of the Phase II D1 RD/RAWP)	03/01/03	02/28/03	<p>Even though this is a secondary document, DOE requested a 30-day review time instead of 90 days. KY conditionally approved the D2 RD/RAWP. The comments received were on the Sampling Plan appendix.</p> <p>EPA granted approval in a letter dated 04/09/03. EPA approved all revisions to the documents except for the LUCIP. LUCIP was conditionally approved.</p> <p>DOE submitted maps with the sampling locations on 05/16/03, per the regulators request.</p> <p>DOE met with the regulators to resolve the informal dispute on 05/15/03. DOE requested a 15-day extension of the informal dispute.</p> <p>EPA        04/14/03   CLSD KY         04/03/03   CLSD</p>	CLSD
SWOU NSDD O&M Plan for Sections 1&2 of the NSDD	03/26/03	03/26/03	<p>EPA and KY requested clarification on a couple of points to be submitted by letter. No D2 is required. DOE submitted the information on 06/12/03.</p> <p>EPA        05/09/03   CLSD KY         04/28/03   CLSD</p>	CLSD

Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**NSDD**

Description	Due Date	Submitted	Comments	CLSD
SWOU NSDD Sections 3,4, 5 D1 Sampling and Analysis Plan (SWOU Phase 1 Assessment)	04/30/04	04/29/04	<p>The three individual SAPs specified by the SMP dispute resolution have been combined into one document.</p> <p>Received 30-day extension request from KY on 6/24/04, requesting extension for review until 6/30/04. KY requested an additional extension until 7/15/04.</p> <p>Received KY comments via fax on 7/15/04. Received EPA comments on 7/16/04. D2 document required.</p> <p>See SWOU Sampling and Analysis Plan D2 for completion of the NSDD SAP.</p> <p>This document, as agreed by the FY2004 SMP, will be treated as a primary document for purposes of review timeframes and dispute process.</p>	CLSD
			EPA 07/16/04 CLSD	
			KY 07/15/04 CLSD	

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**NSDD**

Description	Due Date	Submitted	Comments	
NSDD D2 LUCIP	03/01/03	02/28/03	<p>D2 was submitted on 02/28/03. DOE requested a 30-day review time frame on the documents. This document is a secondary document that normally has a 90-day review time frame (05/30/03).</p> <p>EPA granted approval 04/09/03. EPA conditionally approved the LUCIP.</p> <p>KY provided final comments dated 05/27/03. KY requires that a specific date be included for recording property notices and that the land use controls will remain in place until KY/EPA approve a DOE request to remove them. If these changes are made, KY will approve the document.</p> <p>DOE provided a comment response summary on 06/12/03. KY responded (7/2/03) that it disagrees with DOE and stands by their original requirements. EPA responded (7/11/03) that the 30-day requirement for filing Propoerty Record Notice must be included in the LUCIP.</p> <p>Correspondence dated 11/4/03, from EPA requests DOE resubmit the LUCIP with the language DOE proposes. EPA states they consider the 30-day time frame to be practicable for the purposes of filing the notice. KY concurred with using the 30-day time frame for "practicable." DOE issued a D2/R2 on 11/21/03, incorporating the comments from the EPA and KY letters dated 11/4/03.</p>	CLSD
			EPA	04/14/03 CLSD
			KY	05/29/03 CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**NSDD**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
NSDD LUCIP	12/10/03	11/21/03	Correspondence dated 11/4/03, from EPA requested that DOE resubmit the LUCIP (D2/R1) with the language DOE proposes. EPA stated they consider the 30-day time frame to be practicable for the purposes of filing the notice. KY concurred with using the 30-day time frame for "practicable." KY conditional approval granted and is considered final with the errata sheets submitted.	CLSD
			DOE used 30 days from date received for submittal date.	
			Kentucky conditionally approved this version of the LUCIP pending language in the D2/R1 regarding wastes being characterized prior to disposal is retained.	
			EPA 04/01/04	CLSD
SWOU NSDD D2 Final Remedial Action Report	09/23/05	09/22/05		CLSD
			EPA 10/24/05	CLSD
			KY 01/09/06	CLSD
NSDD D1 ICM Work Plan	03/26/93	03/24/93		CLSD
			EPA 05/05/93	CLSD
			KY 07/19/93	CLSD
D1 Proposed Plan-NSDD	10/04/93	09/10/93	Approved upon signature of ROD.	CLSD
			EPA 10/12/93	CLSD
			KY	CLSD
NSDD D1 & D2 ROD	02/18/94	02/17/94		CLSD
			EPA 03/10/94	CLSD
			KY 03/11/94	CLSD
D2 ICM Work Plan-NSDD	09/10/93	09/10/93		CLSD
			EPA 03/28/94	CLSD
			KY 03/28/94	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**NSDD**

Description	Due Date	Submitted	Comments	
D2 Proposed Plan-NSDD	10/25/93	10/14/93		CLSD
			EPA 10/26/93 KY CLSD	
NSDD ROD Signature	03/18/94	03/16/94		CLSD
			DOE 03/15/94 EPA 03/28/94 KY 03/28/94	CLSD CLSD CLSD
NSDD 90% Design	09/30/94	09/15/94		CLSD
			EPA KY 01/30/95	CLSD CLSD
NSDD O&M Plan	11/18/95	11/15/95		CLSD
			EPA KY 02/14/96	CLSD CLSD
NSDD 50% Design	05/27/94	07/18/94	This was changed from a 30% design report to a 50% design report and was verbally approved by KDEP/EPA. A new schedule was submitted on 05/25/94, reflecting the change.	CLSD
			EPA KY	CLSD CLSD
Response to Comments from KY on the O&M Plan and an appendix requested by EPA, which is to include the C-400 Ion Exchange Unit Procedures-NSDD	04/27/96	06/27/96	Pursuant to a letter from KY dated 02/14/96. Request to change submission date in a letter dated 05/01/96, based on agreements with the agencies.	CLSD
			KY 08/28/96	CLSD

**SCRAP REMOVAL (WAG 24)**

Description	Due Date	Submitted	Comments	
EE/CA for Scrap Removal at PGDP-WAG 24 (DOE/OR/07-1797&D1)	05/27/99	05/25/99		CLSD
			EPA 07/12/99 KY 07/07/99	CLSD CLSD



Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**SCRAP REMOVAL (WAG 24)**

Description	Due Date	Submitted	Comments	
EE/CA for Scrap Removal at PGDP-WAG 24 (DOE/OR/07-1797&D2)	08/11/99	08/06/99	This evolved into the EE/CA for the Scrap Yards Removal. EE/CA submitted on 7/11/00 (DOE/OR/07-1880&D1).	CLSD
			EPA 09/20/99	CLSD
			KY 09/30/99	CLSD
D1 ICM Work Plan-Containment of Scrapyard Sediment Runoff	02/02/93	02/01/93		CLSD
			EPA 03/29/93	CLSD
			KY 03/29/93	CLSD
D1 ICM Report (Postconstruction)-Scrapyards	08/04/94	08/02/94		CLSD
			EPA 01/30/95	CLSD
			KY 10/21/94	CLSD
D2 ICM Work Plan-Containment of Scrapyard Sediment Runoff	05/17/93	05/14/93		CLSD
			EPA 07/23/93	CLSD
			KY 07/23/93	CLSD
ICM Design and Construction Specifications-Containment of Scrap Yard Sediment Runoff	10/05/93	10/05/93		CLSD
			EPA 10/28/93	CLSD
			KY	CLSD
D1 O&M Plan-Scrapyards	08/04/94	08/02/94		CLSD
			EPA 01/30/95	CLSD
			KY 10/21/94	CLSD

**SCRAP YARDS**

Description	Due Date	Submitted	Comments	
SWOU Scrap Yards D1 EE/CA (DOE/OR/07-1880&D1)	07/11/00	07/11/00	KDEP letter received 02/09/00, requested submittal of SWOU EE/CA; however, DOE letter dated 03/03/00, invoked informal dispute resolution.	CLSD
			A revised D2 document was submitted to the regulators 11/30/00.	
			EPA 08/21/00	CLSD
			KY 08/28/00	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**SCRAP YARDS**

Description	Due Date	Submitted	Comments	
SWOU Scrap Yards Work Plan for Maintenance and Upgrade of Scrap Yard Sediment Runoff Containment at the PGDP (DOE/OR/07- 1865&D1)	03/20/00	03/15/00		CLSD
			EPA KY	CLSD 04/24/00 CLSD
SWOU Scrap Yards D1 Focused FS for NSDD (DOE/OR/07-1922&D1)	01/08/01	01/05/01		CLSD
			EPA KY	CLSD 02/08/01 CLSD
SWOU Scrap Yards D1 AM (DOE/OR/07-1965&D1)	06/15/01	06/14/01		CLSD
			EPA KY	CLSD 06/22/01 CLSD
SWOU Scrap Metal D1 Scrap Metal Removal Action WP for Aluminum Ingots(DOE/OR/07-1968&D1)	05/30/01	05/30/01		CLSD
			EPA KY	CLSD 07/06/01 CLSD
SWOU Scrap Yards D2 EE/CA for Scrap Metal Disposition (DOE/OR/07-1880&D2)	11/30/00	11/30/00	Received conditional approval from regulators 03/23/01.	CLSD
			EPA KY	CLSD 03/23/01 CLSD
SWOU Scrap Metal D2 AM (DOE/OR/07-1965&D2)	09/21/01	09/21/01	EPA and KY approved 10/17/01 and 10/01/01, respectively.	CLSD
			EPA KY	CLSD 10/17/01 CLSD
SWOU Scrap Metal D1 Removal Action WP for Scrap Metal Removal and Disposal at PGDP (DOE/OR/07-2013&D1)	01/31/02	01/31/02	D2 is required.	CLSD
			EPA KY	CLSD 03/07/02 CLSD

Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**SCRAP YARDS**

Description	Due Date	Submitted	Comments	CLSD
SWOU Scrap Yards D1 RI/FS Scoping Document (DOE/OR/07-1798&D1)	04/06/99	03/29/99	Includes WAGs 18&25 and suspected sources.  EPA KY                      04/30/99	CLSD
RAWP for Scrap Metal Disposition Infrastructure Modification (DOE/OR/07-1966&D1)	08/10/01	08/10/01	Please note that modification #071901 was signed by EPA and not KY. DOE submitted a CRS on 10/19/01, addressing the D1 comments.  Conditional approval was granted. A D2 to be submitted with as-builts per Program Manager; therefore, due date as specified in the FFA for a D2 is not applicable.  EPA                      09/17/01 KY                        09/14/01	CLSD
SWOU Scrap Metal D2 RAWP for Scrap Metal Removal and Disposal at PGDP (DOE/OR/07-2013&D2)	05/10/02	05/07/02	D2 due date was originally 4/10/02, based on DOE receipt of KY comments. DOE notified the regulators of an automatic extension on 4/22/02, for D2 submittal per the FFA Section XX.G.6. Extension notification was for 5/10/02, due to top-to-bottom review.  Dispute resolution resolved by letter dated 7/03/02. EPA and KY rescinded stipulation of additional sampling and approve RAWP as written.  EPA                      06/03/02 KY                        05/28/02	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**SCRAP YARDS**

Description	Due Date	Submitted	Comments	CLSD
O&M Plan for the Scrap Metal Storm Water Collection Basin	09/10/02	09/10/02	<p>Agreed date was 9/30/02. DOE submitted correspondence on 8/23/02, stating submittal date will be 9/10/02. Requests EPA and KY return comments by 9/17/02, instead of the 90 day review period.</p> <p>Correspondence with submittal requested regulators respond by 10/10/02.</p> <p>KY requested additional information by 11/14/02. Does not require a D2 but will not approve plan until additional information is received. EPA stated will not approve plan until the additional information is submitted. EPA does not require a D2.</p> <p style="margin-left: 40px;">EPA      10/21/02   CLSD KY        10/15/02   CLSD</p>	CLSD
Scrap Metal Small Mammals Sampling Project Report	09/01/02	08/28/02	<p>DOE has requested comments on the subject report and concurrence.</p> <p>Issue closed due to no comments received to date of 4/20/03.</p> <p style="margin-left: 40px;">EPA                      CLSD KY                        CLSD</p>	CLSD
SWOU Scrap Yards D1 Post-Construction Report Infrastructure	08/13/03	08/13/03	<p>DOE requested an expedited review with comments to be received by 9/12/03. Issue open until comments received.</p> <p style="margin-left: 40px;">EPA      10/25/04   CLSD KY        05/19/05   CLSD</p>	CLSD
O&M Plan for the Sediment Control Basin for Scrapyards	10/23/03	10/23/03	<p>D2 will be required per KY comments. Still waiting on EPA's Comments. EPA provided a "no comment" via telephone on 10/25/04.</p> <p style="margin-left: 40px;">EPA      10/25/04   CLSD KY        01/28/04   CLSD</p>	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

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**SCRAP YARDS**

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<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU Scrap Yards D1 Post-Construction Report for Aluminum Ingots	04/01/04	04/01/04		CLSD
			EPA 10/25/04	CLSD
			KY 05/16/05	CLSD
O&M Plan for the Sediment Control Basin for Scrapyards	10/13/04	11/10/05		CLSD
			EPA 02/21/06	CLSD
			KY 12/13/05	CLSD

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**SEDIMENT CONTROLS**

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<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU Sediment Controls D1/R1EE/CA (DOE/OR/07-1958&D1/R1)	02/11/02	02/11/02	D1/R1 was submitted and was approved. A 45-day public comment period must be held following approval of the EE/CA, prior to the D1 Action Memo.	CLSD
			EPA 02/22/02	CLSD
			KY 02/25/02	CLSD
SWOU Sediment Controls D1 EE/CA (DOE/OR/07-1958&D1)	06/29/01	06/29/01		CLSD
			EPA 08/17/01	CLSD
			KY 08/08/01	CLSD

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Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

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**SEDIMENT CONTROLS**

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<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU Sediment Controls D1 Sampling and Analysis Plan	04/30/04	04/29/04	<p>The three individual SAPs specified by the SMP dispute resolution have been combined into one document.</p> <p>Received 30-day extension request from KY on 6/24/04, requesting extension for review until 6/30/04. KY requests an additional extension until 7/15/04.</p> <p>Received KY comments via fax on 7/15/04. Received EPA comments on 7/16/04. D2 document required.</p> <p>See SWOU Sampling and Analysis Plan D2 for completion of the Sediment Controls SAP. This document, as agreed by the FY2004 SMP, will be treated as a primary document for purposes of review timeframes and dispute process.</p> <p>EPA      07/15/04   CLSD KY        07/16/04   CLSD</p>	CLSD

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**SITE MANAGEMENT PLAN**

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<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
Paducah SMP-D2 FY 2001 Annual Revision (DOE/OR/07-1849&D2)	05/03/01	05/03/01	<p>Currently in dispute resolution regarding updated enforceable commitments.</p> <p>EPA conditionally approves the D2. DOE invoked informal dispute resolution. KY submitted a letter stating D2 submittal incomplete.</p> <p>SMP dispute resolved. Letter dated 4/15/03, included the new milestones.</p> <p>EPA      06/05/01   CLSD KY        07/09/01   CLSD</p>	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**SITE MANAGEMENT PLAN**

Description	Due Date	Submitted	Comments	
D2 Program SMP	07/15/96	07/15/96		CLSD
			EPA	CLSD
			KY	CLSD
Paducah SMP-FY 2000 Annual Revision	11/15/99	11/15/99		CLSD
			EPA 02/03/00	CLSD
			KY 02/02/00	CLSD
Paducah SMP-FY 2001 Annual Revision	11/15/00	11/15/00	D2 was submitted 05/03/01.	CLSD
			EPA 01/16/01	CLSD
			KY 02/22/01	CLSD
Paducah SMP-FY 1999 Annual Revision (DOE/OR/07-1780&D1)	11/15/98	11/10/98		CLSD
			EPA 01/19/99	CLSD
			KY 12/28/98	CLSD
Paducah SMP-FY 1999 Annual Revision (DOE/OR/07-1780&D2)	02/03/99	02/01/99		CLSD
			EPA	CLSD
			KY 02/24/99	CLSD
Paducah SMP-FY 2003 Annual Revision D1.	11/15/02	11/14/02	Updated - issued 11/14/02. DOE received comments. A D2 will be required.	CLSD
			EPA 12/30/02	CLSD
			KY 12/23/02	CLSD
Paducah SMP-FY 2004 Annual Revision with annual certification of LUCIPs	11/15/03	11/13/03	EPA requested an extension until 1/14/04.	CLSD
			Comments have been received and a D2 is required.	
			EPA 01/16/04	CLSD
			KY 01/20/04	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

SITE MANAGEMENT PLAN

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
Paducah SMP-FY 2003 Annual Revision D2.	05/19/03	05/15/03	<p>DOE received comments on the D1 by EPA (12/30/02) and KY (12/23/02). Per the FFA, the D2 is to be submitted within 15 days of receipt of comments. DOE notified the FFA parties of a 30-day extension on 1/03/03, and specified a submittal date of 2/06/03.</p> <p>EPA concurred with the extension by correspondence dated 1/09/03. KY concurred with the extension by correspondence dated 1/09/03. DOE requested on 2/05/03, that submittal of the SMP be delayed until after negotiation of the dispute. SMP dispute resolved. Letter dated 4/15/03, included the new milestones.</p> <p>An Agreed Order was signed 10/02/03. DOE submitted the FY04 D1 SMP to incorporate the agreements in the LOI and AO.</p> <p>D2 submitted on 5/15/03. Issue open until regulator approval received.</p> <p>EPA did not approve the D2. EPA states that the continuing meetings on the dispute resolution will help resolve issues.</p> <p>EPA 07/14/03 CLSD KY CLSD</p>	CLSD
Paducah SMP-FY 2005 Annual Revision with annual certification of LUCIPs	11/15/04	11/12/04	<p>KY requested a 30- day extension. KY requested another 30 day extension until 2/15/05. KY requested another extension until 3/17/05. KY requested another extension until 4/18/05.</p> <p>EPA 12/29/04 CLSD KY 04/14/05 CLSD</p>	CLSD



Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**SITE MANAGEMENT PLAN**

Description	Due Date	Submitted	Comments	
Paducah SMP-FY 2006 Annual Revision with annual certification of LUCIPs	11/15/05	11/14/05	KY requested a 30 day extension to review the document. EPA requested an additional 30 days on 2/15/06.  KY requested a 30 day extension until 2/15/06. KY requested an additional 60 days to review document until 4/15/06. EPA requested a 30 day extension on March 17, 2006.  DOE received comments from KY via fax on 3/24/06 and the hardcopy on 3/30/06.  EPA      04/17/06   CLSD KY        03/24/06   CLSD	CLSD
Paducah SMP-FY 2004 Annual Revision with annual certification of LUCIPs	02/27/04	02/26/04	DOE sent in written notification on 1/29/04, extending the D2 submittal date to 2/27/04.  DOE sent in a D2/R1 on 4/13/04, to update the previous D2 submittal of 2/26/04.  Regulators request an extension until 4/16/04.  EPA      04/19/04   CLSD KY        04/22/04   CLSD	CLSD
Paducah SMP-FY 2005 Annual Revision with annual certification of LUCIPs	04/29/05	04/28/05	EPA      06/03/05   CLSD KY        05/06/05   CLSD	CLSD
D0 Program SMP	12/31/92	12/30/92	EPA      08/02/93   CLSD KY        10/12/93   CLSD	CLSD
D1 Program SMP	08/23/95	08/22/95	EPA      11/01/95   CLSD KY        11/22/95   CLSD	CLSD

Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**SITE MANAGEMENT PLAN**

Description	Due Date	Submitted	Comments	
FY 1994 Deliverable/Generic Baseline SMP Response	12/15/93	12/14/93		CLSD
			EPA 01/04/94 CLSD	
			EPA 02/03/94 CLSD	
			KY 01/05/94 CLSD	
			KY 07/25/94 CLSD	
Resubmittal of Generic Baseline SMP Response	02/25/94	08/08/94		CLSD
			EPA 01/24/95 CLSD	
			KY 01/19/95 CLSD	
D1 Framework for Site Management Plan	08/06/92	08/05/92		CLSD
			EPA 09/22/92 CLSD	
			KY 09/22/92 CLSD	

**SOUTH WEST PLUME**

Description	Due Date	Submitted	Comments	
GWOU SW Plume Site Investigation Work Plan (Sampling and Analysis Plan)	10/30/03	10/27/03	DOE asked for comments by 12/1/03. The following supporting documents were also submitted: QA Project Plan (BJC/PAD-588), WM Plan (BJC/PAD 590), Data Management Plan (BJC/PAD-589).	CLSD
			This document, as agreed by the FY2004 SMP, will be treated as a primary document for purposes of review timeframes and dispute process.	
			EPA 01/16/04 CLSD	
			KY 12/04/03 CLSD	

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

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**SOUTH WEST PLUME**

Description	Due Date	Submitted	Comments	CLSD
GWOU SW Plume D1 Site Investigation/Risk Assessment Report	01/03/05	02/16/05	12/30/04 - DOE submitted a 45-day extension request until 2/17/05 for this document. KY responds on 1/13/05 requesting a modification form. KY will approve extension when they receive the form.  KY requested an additional 15 (to June 2) days to review document.	CLSD
			EPA      06/08/05   CLSD	
			KY        06/01/05   CLSD	
GWOU SW Plume D2 Site Investigation Work Plan (Sampling and Analysis Plan)	03/17/04	02/13/04	KY requires either errata sheets or a redline/strikeout revision to address remaining concerns before final approval is granted. On 4/15/04, DOE submitted a modification sheet addressing final comments.  This document, as agreed by the FY2004 SMP, will be treated as a primary document for purposes of review timeframes and dispute process.	CLSD
			EPA      04/01/04   CLSD	
			KY        03/29/04   CLSD	
			KY        04/26/04   CLSD	

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**SULFURIC ACID TANK TIME CRITICAL REMOVAL ACTION**

Description	Due Date	Submitted	Comments	CLSD
Sulfuric Acid Tank Time Critical Removal Notification (DOE/OR/07-2007&D1)	04/24/02	04/24/02		CLSD
			EPA      06/03/02   CLSD	
			KY        05/28/02   CLSD	
Sulfuric Acid Tank Time Critical Removal Notification (DOE/OR/07-2007&D2)	07/03/02	07/01/02	Submittal required from 30 days from receipt of final comments. DOE received comments on the D1 6/03/02.	CLSD
			EPA      07/26/02   CLSD	
			KY        07/24/02   CLSD	

Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**SURFACE WATER**

Description	Due Date	Submitted	Comments	CLSD
D1 RI/FS Work Plan for the SWOU (DOE/OR/07-1812&D1)	09/30/99	09/29/99	Includes WAGs 18&25 and suspected sources.	CLSD
			Core Team recommended changes deferring SWOU RI/FS activities to FY 2004 and beyond.	
			EPA 02/10/00 CLSD	
			KY 02/09/00 CLSD	
SWOU Phase I Assessment D1 Sampling and Analysis Plan	04/30/04	04/29/04	The three individual SAPs specified by the SMP dispute resolution have been combined into one document. Received 30-day extension request from KY on 6/24/04, requesting extension for review until 6/30/04. KY requests an additional extension until 7/15/04.	CLSD
			Received KY comments via fax on 7/15/04. Received EPA comments on 7/16/04. D2 document required.	
			This document, as agreed by the FY2004 SMP, will be treated as a primary document for purposes of review timeframes and dispute process.	
			EPA 07/16/04 CLSD	
			KY 07/15/04 CLSD	

Environmental Restoration Program  
 Historical Status of Commitments by Project

10/23/06

**SURFACE WATER**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
SWOU Phase I Assessment D2 Sampling and Analysis Plan	09/14/04	12/15/04	DOE notified regulators on 8/12/04, of a 30-day schedule extension (from 8/15/04 to 9/14/04). DOE requested on 9/16/04, as a result of the senior manager's meeting, an additional 45 day extension (10/29/04) to incorporate and resolve regulators comments. On 11/1/04, DOE requested another extension until 12/17/04 for submittal of the D2.	CLSD
			This document, as agreed by the FY2004 SMP, will be treated as a primary document for purposes of review timeframes and dispute process.	
			KY requested an extension for review until 2/7/05 on 1/21/05. Received conditional approval on 2/7/05. DOE is initiating dispute resolution process on 3/4/05. DOE initiated formal dispute on 4/14/05. The formal dispute was resolved on 5/4/05. DOE submitted errata sheets on 5/11/05 and emails on 5/13 regarding App. E, making the document a D2/R1. KY approved the D2R1 on 5/13/05. DOE submitted a D2R2 on 5/16/05 incorporating all changes.	
			EPA 01/18/05 CLSD	
			KY 02/07/05 CLSD	
			KY 05/13/05 CLSD	
SWOU D1 Surface Water Strategy Document	04/30/93	04/27/93	Document will be included as an appendix to the SMP.	CLSD
			EPA 06/02/94 CLSD	
			KY 11/27/95 CLSD	
SWOU D1 ICM Report for Institutional Controls	10/13/93	10/12/93		CLSD
			EPA 11/05/93 CLSD	
			KY 11/08/93 CLSD	

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**SURFACE WATER**

Description	Due Date	Submitted	Comments	
SWOU D1 ICM Work Plan for Institutional Controls	05/21/92	05/21/92		CLSD
			EPA 07/10/92	CLSD
			KY 07/10/92	CLSD
SWOU D1 O&M Plan for Institutional Controls	08/15/93	10/04/93		CLSD
			EPA 11/05/93	CLSD
			KY 11/08/93	CLSD
SWOU D2 ICM Work Plan for Institutional Controls	05/21/92	09/02/92		CLSD
			EPA 09/23/92	CLSD
			KY 09/23/92	CLSD

**SWMU NOTIFICATION-ASSESSMENT/RFI ASSIGNMENT**

Description	Due Date	Submitted	Comments	
SWMU Assessment Report for SWMU No. 205 (included WAG assignment to WAG 18)	09/12/96	08/29/96		CLSD
			KY 10/15/96	CLSD
Submit revised SAR for SWMU 198	09/23/94	09/19/94	Received KY comments on 9/23/94, asking for revisions to SAR.	CLSD
			EPA 07/16/96	CLSD
			KY 01/12/95	CLSD

**UST CLOSURES**

Description	Due Date	Submitted	Comments	
C-750 A and B UST Closure PGDP Site ID 6319-073	02/22/99	02/22/99		CLSD
			KY 04/15/99	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**UST RELATED DOCUMENTS**

Description	Due Date	Submitted	Comments	
Alternative Sampling Approach for Two USTs, C-200-A and C-710-B	07/25/96	07/25/96		CLSD
			EPA KY	CLSD 07/30/96 CLSD
Response to KY comments on permanent closure of USTs C-750-A&B	06/08/97	04/30/97		CLSD
			KY	07/15/97 CLSD
D1 UST SI Report	09/12/93	09/11/93		CLSD
			KY	12/19/95 CLSD
D1 UST Corrective Action Plan	12/12/92	12/11/92		CLSD
			KY	12/19/95 CLSD
C-750-C Closure Plan Response to Comments	03/12/93	03/11/93	Approved 6/28/93	CLSD
			KY	06/28/93 CLSD
P. E. Certification-C-750-C RCRA Subtitle C UST	05/18/94	05/16/94	Additional data to be submitted within 60 days of this letter if requested by KDEP.	CLSD
			KY	07/06/94 CLSD
Additional SI Report for UST Investigation	04/22/94	05/12/94		CLSD
			KY	01/24/96 CLSD

**WAG 13**

Description	Due Date	Submitted	Comments	
WAG 13 D1 RFI Work Plan	07/09/93	07/07/93	Resubmission moved to outyear pursuant to WAG restructuring in Mod No. 10 to RCRA Permit.	CLSD
			EPA KY	11/05/93 CLSD 03/15/94 CLSD
D2 RFI Work Plan-WAG 13	02/15/94	05/14/94		CLSD
			EPA KY	06/18/94 CLSD 08/24/94 CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 15**

Description	Due Date	Submitted	Comments	CLSD
WAG 15 D1 SAP for Site Evaluation		05/28/96		CLSD
			EPA 07/23/96	CLSD
			KY 07/23/96	CLSD
WAG 15 D2 SAP for Site Evaluation		07/05/96		CLSD
			EPA	CLSD
			KY 07/29/96	CLSD
WAG 15 SE Report	12/31/96	12/19/96		CLSD
			EPA 04/24/97	CLSD
			KY 03/24/97	CLSD
WAG 15 SWMU 97 Risk Management Plan	05/23/97	05/16/97		CLSD
			KY 07/15/97	CLSD

**WAG 17**

Description	Due Date	Submitted	Comments	CLSD
D1 Action Memorandum for WAG 17, SWMU 124	06/14/96	06/14/96		CLSD
			EPA 07/08/96	CLSD
			KY 06/25/96	CLSD
D1 Proposed Plan-WAG 17	04/04/97	04/04/97		CLSD
			EPA 05/21/97	CLSD
			KY 06/16/97	CLSD
D1 ROD-WAG 17 (DOE/OR/06-1567&D1)	10/29/97	09/25/97	Signature dates: DOE--09/25/97 EPA--09/29/97 KDEP concurrence--09/26/97	CLSD
			EPA 09/29/97	CLSD
D2 RI Report for WAG 17	04/14/97	04/07/97		CLSD
			EPA 07/30/97	CLSD
			KY 06/16/97	CLSD
Draft D2 Proposed Plan-WAG 17	07/03/97	07/03/97		CLSD
			EPA 07/25/97	CLSD
			KY 07/21/97	CLSD



**Environmental Restoration Program  
Historical Status of Commitments by Project**

10/23/06

**WAG 17**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
Final D2 Proposed Plan-WAG 17	07/24/97	07/24/97		CLSD
			KY 07/29/97	CLSD
D1 RFI Work Plan-WAG 17	01/30/94	01/28/94		CLSD
			EPA 07/18/94	CLSD
			KY 07/21/94	CLSD
D2 RFI Work Plan-WAG 17	09/19/94	09/16/94		CLSD
			EPA 01/09/95	CLSD
			KY 11/14/94	CLSD
D1 CMS Work Plan-WAG 17	06/06/94	06/03/94		CLSD
			EPA 10/05/94	CLSD
			KY 10/19/94	CLSD
D2 CMS Work Plan-WAG 17	12/31/94	12/15/94	This should include a response to KY comments on D1.	CLSD
			EPA 03/09/95	CLSD
			KY 01/12/94	CLSD
Response to KY comments on D2 RFI Work Plan-WAG 17	12/31/94	01/24/95		CLSD
			KY	CLSD
Modification to WAG 17 RFI Work Plan	03/13/95	03/13/95		CLSD
			EPA 04/03/95	CLSD
			KY 04/03/95	CLSD
Addendum II to WAG 17 RFI Work Plan	06/26/95	06/26/95		CLSD
			EPA 07/12/95	CLSD
			KY 08/02/95	CLSD
Request for delay in fieldwork required by the approved workplan.	07/07/95	07/07/95		CLSD
			EPA	CLSD
			KY 08/02/95	CLSD
Additional information requested in addition to Addendum II to WAG 17 RFI Work Plan	07/21/95	07/21/95		CLSD
			KY 08/02/95	CLSD
D1 RI Report for WAG 17	11/09/96	11/09/96		CLSD
			EPA 01/27/97	CLSD
			KY 02/13/97	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 22, SWMU 7&30**

Description	Due Date	Submitted	Comments	CLSD
WAG 22 (7&30) Burial Grounds FS for Final Action (DOE/OR/06- 1644&D2)	11/04/98	11/02/98	KY letter dated 12/07/98, requested a 7-day review extension moving the comment due date to 12/14/98.  EPA issued conditional approval received 12/14/98, contingent upon BJC having an approved LUCAP.	CLSD
			EPA      12/14/98 CLSD KY        12/29/98 CLSD	
WAG 22 (7&30) Burial Grounds D1 FS Report	03/31/98	03/27/98		CLSD
			EPA      06/29/98 CLSD KY        07/16/98 CLSD	
WAG 22 (7&30) Burial Grounds D1 RI Report	07/28/97	07/21/97		CLSD
			EPA      10/28/97 CLSD KY        11/21/97 CLSD	
WAG 22 (7&30) Burial Grounds D2 RI Report	01/30/98	01/30/98		CLSD
			EPA      04/07/98 CLSD KY        03/23/98 CLSD	
WAG 22 (7&30) Burial Grounds D1 Field Sampling Plan	09/01/95	03/29/95		CLSD
			EPA      07/11/95 CLSD KY        07/21/95 CLSD	
WAG 22 (7&30) Burial Grounds D1 Field Sampling Plan Addendum	06/02/95	06/02/95	Required in 05/04/95 Data Quality Objectives meeting.	CLSD
			EPA      07/11/95 CLSD KY        07/21/95 CLSD	
WAG 22 (7&30) Burial Grounds D2 Field Sampling Plan	09/29/95	09/27/95		CLSD
			EPA      12/12/95 CLSD KY        11/02/95 CLSD	
WAG 22 (7&30) Burial Grounds D2 Feasibility Study-CRS to KY Comments		04/19/95		CLSD
			KY        05/26/95 CLSD	

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 22, SWMU 7&30**

Description	Due Date	Submitted	Comments	
WAG 22 (7&30) Burial Grounds D3 Field Sampling Plan	12/11/95	12/16/95	As agreed to by all parties, a CRS was issued to the D2 document in lieu of generating a D3 document.	CLSD
			KY 01/17/96	CLSD

**WAG 22, SWMUs 2&3**

Description	Due Date	Submitted	Comments	
SWMU 2 of WAG 22 Burial Grounds Request for variance for the installation of piezometers	08/15/96	08/15/96	D2 SAP submittal date contingent upon receipt of comments on D1 SAP by 12/01/95. ROC between DOE, EPA, and KY on extension of submittal date.	CLSD
			KY	CLSD
SWMU 2 of WAG 22 Burial Grounds Preliminary Characterization Summary Report	02/19/97	02/18/97		CLSD
			EPA 04/09/97	CLSD
			KY 05/07/97	CLSD
SWMUs 2 and 3 of WAG 22 Burial Grounds D1 Feasibility Study Report	11/30/97	11/25/97		CLSD
			EPA 05/13/98	CLSD
			KY 04/13/98	CLSD
SWMU 2 of WAG 22 Burial Grounds D2 FS for Final Action (DOE/OR/06- 1636&D2)	09/21/98	09/14/98		CLSD
			EPA 12/16/98	CLSD
			KY 12/14/98	CLSD
SWMU 2 of WAG 22 Burial Grounds PRAP (DOE/OR/06-1690&D1)	10/21/98	10/19/98	12/10/98 letter from EPA suspends their review of this document until a LUCAP has been submitted.	CLSD
			DOE received EPA letter on 10/19/99, stating that both EPA and KY were extending the submittal of the D2 PRAP to 11/16/99.	
			EPA 09/13/99	CLSD
			KY 12/14/98	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 22, SWMUs 2&3**

Description	Due Date	Submitted	Comments	CLSD
SWMU 2 of WAG 22 Burial Grounds PRAP (DOE/OR/06-1690&D2)	11/16/99	11/15/99	Project has been replaced with new OU Strategy.  EPA                    OPEN KY                     OPEN	CLSD
WAG 22 Burial Grounds D1 RI Addendum	06/23/93	06/22/93	  EPA    01/13/94 CLSD KY    07/14/94 CLSD	CLSD
SWMUs 2 and 3 of WAG 22 Burial Grounds D1 FS	12/31/94	10/11/94	  EPA    11/23/94 CMPL KY    12/23/94 CMPL	CLSD
WAG 22 Burial Grounds D2 RI Addendum	03/08/94	09/07/94	  EPA    10/25/94 CLSD KY    12/06/94 CLSD	CLSD
SWMUs 2 and 3 of WAG 22 Burial Grounds D2 FS	01/25/95	03/23/95	  EPA    04/12/95 CLSD KY    03/31/95 CLSD	CLSD
SWMUs 2 and 3 of WAG 22 Burial Grounds D1 Proposed Plan	02/24/95	03/21/95	  EPA    04/05/95 CLSD KY    04/19/95 CLSD	CLSD
SWMUs 2 and 3 of WAG 22 Burial Grounds D2 Proposed Plan	05/20/95	05/30/95	  EPA    05/26/95 CLSD KY    05/31/95 CLSD	CLSD
SWMUs 2 and 3 of WAG 22 Burial Grounds D1 ROD	07/30/95	07/28/95	  DOE    08/16/95 CLSD EPA    08/22/95 CLSD KY    08/31/95 CLSD	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 22, SWMUs 2&3**

Description	Due Date	Submitted	Comments	
WAG 22 Burial Grounds D2 RI Addendum-Response to KY comments on	02/04/95	05/14/96		CLSD
			KY 06/17/96	CLSD
SWMUs 2 and 3 of WAG 22 Burial Grounds D1 Sampling Plan	09/01/95	08/31/95		CLSD
			KY 06/17/96	CLSD
SWMU 2 of WAG 22 Burial Grounds D2 Sampling Plan	02/20/96	02/16/96		CLSD
			EPA 08/26/96	CLSD
			KY 06/17/96	CLSD

**WAG 23**

Description	Due Date	Submitted	Comments	
D3 Proposed Plan-WAG 23	02/07/97	02/07/97		CLSD
			EPA	CLSD
			KY	CLSD
D1 Final Remediation Action Report for WAG 23 and the Soils of SWMU 1 of WAG 27 (DOE/OR/07-1737&D1)	06/08/98	06/08/98		CLSD
			EPA 09/18/98	CLSD
			KY 10/07/98	CLSD
D1 PRAP for WAG 23 and SWMU 1 of WAG 27 PCB Sites (DOE/OR/07- 1771&D1)	12/07/98	11/05/98		CLSD
			EPA 12/18/98	CLSD
			KY 04/16/99	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 23**

Description	Due Date	Submitted	Comments	
D2 PRAP for WAG 23 and SWMU 1 of WAG 27 PCB Sites (DOE/OR/07-1771&D2)	06/01/99	05/25/99	DOE letter dated 09/27/99, invoked formal dispute resolution.  DOE letter dated 02/03/00, requested withdrawal of WAG 23 D2 PRAP from the regulatory review process.  Project has been replaced with removal action and will be addressed as part of the OU Strategy.	CLSD
			EPA KY 07/07/99	CLSD
D1 RI Addendum-WAG 23 PCB Spill Sites	07/23/93	07/22/93		CLSD
			EPA KY 05/17/94 07/18/94	CLSD CLSD
D2 RI Addendum-WAG 23 PCB Spill Sites	09/16/94	09/15/94		CLSD
			EPA KY 01/26/95 12/21/94	CLSD CLSD
D1 Treatability Study Program Plan-WAG 23	03/26/94	03/24/94		CLSD
			EPA KY 07/07/94 08/19/94	CLSD CLSD
D2 Treatability Study Program Plan-WAG 23	09/09/94	12/13/95		CLSD
			EPA KY 01/12/96 01/23/96 02/01/95 02/07/96	CLSD CLSD CLSD CLSD
D1 Treatability Study Report-WAG 23	08/11/95	09/27/95	In review (extension requested and approved by EPA and KY on 08/10/95 and 08/08/95, respectively.)	CLSD
			EPA KY 11/07/95 11/15/95	CLSD CLSD
Response to KY comments on D2 RI Addendum-WAG 23 PCB Spill Sites	02/18/95	02/16/96		CLSD
			KY	OPEN

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 23**

Description	Due Date	Submitted	Comments	
Response to KY comments on D2 Treatability Study Program Plan-WAG 23	04/02/95	04/07/95		CLSD
			EPA 01/12/96 CLSD KY OPEN	
D1 Feasibility Study Report-WAG 23	01/25/96	01/23/96		CLSD
			EPA 02/21/96 CLSD KY 03/01/96 CLSD	
D2 Feasibility Study Report-WAG 23	04/14/96	04/11/96		CLSD
			EPA 06/10/96 CLSD KY 05/09/96 CLSD	
D1 Proposed Plan-WAG 23	04/15/96	04/15/96	Originally scheduled for 04/29/96, but pushed forward to 04/14/96. Due to some problems with certification, pushed back to original date of 04/29/96.	CLSD
			EPA 05/17/96 CLSD KY 05/14/96 CLSD	
D2 Proposed Plan-WAG 23	06/04/96	06/03/96	Dependent upon receipt of EPA/KY comments on D1 by 5/14/96.	CLSD
			EPA CLSD KY CLSD	

**WAG 27 NORTHWEST PLUME SOURCES**

Description	Due Date	Submitted	Comments	
D2 Treatability Study Program Plan-WAG 27	05/02/97	04/23/97	Final TSPP deferred, awaiting results of Treatability Study for WAG 6.	CLSD
			EPA CLSD KY 09/12/97 CLSD	
D2 RI/FS Work Plan-WAG 27	06/30/97	06/30/97	In ROC on 05/22/97, EPA and KY agreed to grant an extension till 06/30/97.	CLSD
			EPA 07/15/97 CLSD KY 08/18/97 CLSD	
D1 Treatability Study Program Plan-WAG 27	01/30/97	01/27/97		CLSD
			EPA 03/24/97 CLSD KY 03/27/97 CLSD	

PGDP Paducah Remediation Services, LLC Centralized Tracking System  
(MACS2)  
E-89

UNCLASSIFIED

193

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 27 NORTHWEST PLUME SOURCES**

Description	Due Date	Submitted	Comments	
D3 Redline/Strikeout RI/FS Work Plan-WAG 27	02/23/98	02/23/98		CLSD
			KY 03/12/98	CLSD
WAG 27 D1 RI Report (DOE/OR/07-1777&D1)	01/03/99	12/23/98		CLSD
			EPA 03/26/99	CLSD
			KY 04/05/99	CLSD
RI Report for WAG 27 (DOE/OR/07-1777&D2)	06/04/99	06/04/99	EPA (07/30/99) and KY (07/19/99) approvals were conditional. Revised document was submitted in mid-August.	CLSD
			Comments Response and errata pages were submitted 08/24/99. KY's approval was received 10/01/99.	
			EPA OPEN	
			KY 10/01/99	CLSD
D1 RI/FS Work Plan-WAG 27	11/15/96	11/15/96		CLSD
			EPA 02/19/97	CLSD
			KY 04/02/97	CLSD

**WAG 28 NORTHEAST PLUME SOURCES**

Description	Due Date	Submitted	Comments	
D2 RI Report (V1-4) for WAG 28 (DOE/OR/07-1846&D2)	08/25/00	08/21/00		CLSD
			EPA 10/16/00	CLSD
			KY 11/16/00	CLSD
Combined WAG 28 D2 RI/FS Work Plan and WAG 8 Preliminary Assessment/Site Investigation (DOE/OR/07-1592&D2)	05/29/98	05/20/98		CLSD
			EPA 07/16/98	CLSD
			KY 07/01/98	CLSD
D1 RI Report (V1-4) for WAG 28 (DOE/OR/07-1846&D1) and Data Report for Sitewide Remedial Evaluation for Source Areas Contributing to Off-Site GW Contamination at PGDP (DOE/OR/07-1845&D1)	01/26/00	01/24/00		CLSD
			EPA 04/12/00	CLSD
			KY 06/05/00	CLSD

PGDP Paducah Remediation Services, LLC Centralized Tracking System  
(MACS2)  
E-90

UNCLASSIFIED



Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 28 NORTHEAST PLUME SOURCES**

Description	Due Date	Submitted	Comments	
D1 RI/FS Work Plan-WAG 28	05/15/97	05/15/97		CLSD
			EPA 07/07/97	CLSD
			KY 10/01/97	CLSD

**WAG 3**

Description	Due Date	Submitted	Comments	
WAG 3 D1 RI/FS Work Plan	11/15/97	11/13/97		CLSD
			EPA 04/07/98	CLSD
			KY 03/09/98	CLSD
WAG 3 D2 RI/FS Work Plan	07/06/98	07/01/98		CLSD
			EPA 08/12/98	CLSD
			KY 09/16/98	CLSD
WAGs 2, 3, and 14 D1 RFI Work Plan	04/10/93	04/07/93	Resubmission moved to 11/15/97, pursuant to WAG restructuring in Mod No. 10 to RCRA Permit.	CLSD
			EPA 08/19/93	CLSD
			KY 06/20/95	CLSD
WAG 3 D1 RFI Work Plan	03/30/97	03/26/97		CLSD
			EPA 05/12/97	CLSD
			KY 06/13/97	CLSD

**WAG 6--C-400**

Description	Due Date	Submitted	Comments	
D1 Treatability Study Program Plan- WAG 6	11/26/96	11/22/96		CLSD
			EPA 03/04/97	CLSD
			KY 03/17/97	CLSD
D4 RI/FS Work Plan-WAG 6	01/30/97	01/27/97		CLSD
			EPA 03/20/97	CLSD
			KY 04/22/97	CLSD
D2 Treatability Study Program Plan- WAG 6	04/16/97	04/09/97	Will not receive EPA comments on this document.	CLSD
			EPA	CLSD
			KY 07/08/97	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 6--C-400**

Description	Due Date	Submitted	Comments	
Sampling Plan Modification-WAG 6	06/04/97	06/04/97		CLSD
			EPA 07/07/97 CLSD KY 07/18/97 CLSD	
D1 RI Report-WAG 6 DOE/OR/07-1727/V1&D1	08/14/98	08/13/98	EPA/KY approved a 30-day extension (08/14/98) for submittal of the D1 RI Report.	CLSD
			EPA 12/11/98 CLSD KY 02/26/99 CLSD	
D1 TS Reports for WAG 6 DOE/OR/07-1788&D1 DOE/OR/07-1787&D1	02/15/99	02/15/99	No formal EPA or KY comments will be issued for these reports.	CLSD
			EPA 06/16/99 CLSD KY 06/16/99 CLSD	
D2 RI Report-WAG 6 DOE/OR/07-1727/V1&D2	05/07/99	05/05/99	KY letter received 05/10/99, approving extension of submittal of D2 RI Report for WAG 6 from 04/27/1999 to 05/07/99.	CLSD
			EPA 07/30/99 CLSD KY 08/18/99 CLSD	
D1 RI/FS Work Plan-WAG 6	07/29/94	07/25/94		CLSD
			EPA 10/04/94 CLSD KY 12/27/94 CLSD	
D2 RI/FS Work Plan-WAG 6	12/31/94	02/15/95		CLSD
			EPA 04/10/95 CLSD KY 05/12/95 CLSD	
D3 RI/FS Work Plan-WAG 6 (C-400)	09/15/95	08/28/96		CLSD
			EPA 10/30/96 CLSD KY 11/30/96 CLSD	
D1 Industrial Hydrogeology Utilities Survey-WAG 6-C-400	09/15/95	09/13/95		CLSD
			EPA 11/02/95 CLSD KY 10/09/95 CLSD	
D2 Industrial Hydrogeology Utilities Survey Work Plan-WAG 6-C-400	10/23/95	11/01/95		CLSD
			EPA 11/02/95 CLSD KY 11/03/95 CLSD	

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAG 8**

Description	Due Date	Submitted	Comments	
WAG 8 D1 SE Report	06/22/00	06/12/00	The SE process has been replaced with new OU Strategy.	CLSD
			EPA 08/04/00	CLSD
			KY 05/03/01	CLSD

**WAGS 1 AND 7**

Description	Due Date	Submitted	Comments	
Request for approval for permanent closure/NFA of USTs-WAG 7	10/21/96	10/21/96		CLSD
			EPA	CLSD
			KY 12/11/96	CLSD
D3 Proposed Plan-WAGs 1&7	11/15/96	11/15/96	EPA deferred approval to KY.	CLSD
			EPA 12/06/96	CLSD
			KY 12/06/96	CLSD
D1 ROD-WAGs 1&7 (DOE/OR/06-1470&D1)	02/07/97	04/08/97		CLSD
			EPA 06/02/97	CLSD
			KY 05/13/97	CLSD
D4 Proposed Plan-WAGs 1&7	12/23/96	12/23/97	EPA deferred approval to KY.	CLSD
			EPA 01/27/97	CLSD
			KY 01/27/97	CLSD
D2 ROD-WAGs 1&7 (DOE/OR/06-1470&D2)	05/30/97	09/02/97		CLSD
			EPA 11/28/97	CLSD
			KY 12/05/97	CLSD
Draft D3 ROD-WAGs 1&7 (DOE/OR/06-1470&D3)	03/09/98	01/09/98		CLSD
			EPA 02/09/98	CLSD
			KY	CLSD
D3 ROD-WAGs 1&7 (for signature) (DOE/OR/06-1470&D3)	02/20/98	02/20/98	DOE signed 02/20/98. KY concurred 06/24/98. EPA signed 08/10/98.	CLSD
			EPA 08/10/98	CLSD
			KY 06/24/98	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAGS 1 AND 7**

<b>Description</b>	<b>Due Date</b>	<b>Submitted</b>	<b>Comments</b>	
D1 Postconstruction Report and O&M Plan for WAGs 1&7 (DOE/OR/07-1743&D1)	03/15/99	02/08/99		CLSD
			EPA 05/03/99	CLSD
			KY 05/14/99	CLSD
D1 RFI Work Plan-WAGs 1&7	09/12/92	09/11/92		CLSD
			EPA 04/08/93	CLSD
			KY 04/08/93	CLSD
D1 RFI Report-WAGs 1&7	07/30/95	10/30/95	Also includes the RFI Report for KOW SMWUs 94, 95, and 157.	CLSD
			EPA 12/19/95	CLSD
			KY 02/14/96	CLSD
D1 Preliminary Characterization Summary Report and FSP Addendum-WAGs 1&7	01/28/95	01/25/95		CLSD
			EPA 02/28/95	CLSD
			KY 03/06/95	CLSD
D1 ICM Work Plan-C-746-K	08/10/92	08/14/92		CLSD
			EPA 10/05/92	CLSD
			KY 10/05/92	CLSD
D2 RFI Work Plan-WAGs 1 and 7	06/11/93	06/10/93	Due 60 days from receipt of EPA and KY comments (4/14/93).	CLSD
			EPA 09/28/93	CLSD
			KY 09/28/93	CLSD
D2 ICM Work Plan-C-746-K	11/05/92	11/05/92		CLSD
			KY 03/02/93	CLSD
D1 FS Work Plan (CMS Work Plan)-WAGs 1&7	01/28/95	01/25/95		CLSD
			EPA 03/08/95	CLSD
			KY 03/06/95	CLSD
D1 Remedial Design for ROD-WAGs 1&7	03/21/97	06/23/97	An Addendum to the D1 RD was sent to regulators on 06/23/97. D1 Addendum was approved 07/24/97; D2 document is not necessary.	CLSD
			EPA	CLSD
			EPA 07/15/97	CLSD
			KY 05/20/97	CLSD
			KY 07/28/97	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAGS 1 AND 7**

Description	Due Date	Submitted	Comments	
Response to EPA/KY comments on D1 Feasibility Study Work Plan (CMS Work Plan)-WAGs 1& 7	04/05/95	04/07/95		CLSD
			EPA 09/11/95	CLSD
			KY 09/11/95	CLSD
D1 Feasibility Study Report-WAGs 1&7	12/14/95	12/14/95		CLSD
			EPA 01/16/96	CLSD
			KY 02/22/96	CLSD
D2 Feasibility Study Report-WAGs 1&7	02/12/96	05/16/96		CLSD
			EPA 06/17/96	CLSD
			KY 06/03/96	CLSD
D1 Proposed Plan-WAGs 1&7	02/09/96	05/16/96		CLSD
			EPA	CLSD
			KY 06/03/96	CLSD
D0 ROD-WAGs 1 and 7	06/28/96	07/01/96		CLSD
			EPA 07/22/96	CLSD
			KY	OPEN
Response to KY Comments on the D1 RFI Report-WAGs 1&7	04/27/96	04/08/96	Pursuant to letter dated 2/14/96	CLSD
			KY	OPEN
D2 RFI Report-WAGs 1&7	04/08/96	04/08/96		CLSD
			EPA 06/10/96	CLSD
			KY 06/03/96	CLSD

**WAGS 16 AND 19**

Description	Due Date	Submitted	Comments	
S&A, QA, and Data Management Plan for the SE of WAGs 16&19 (DOE/OR/07-1745&D1)	07/31/98	07/09/98	SE process has been replaced with new OU Strategy.	CLSD
			KY	CLSD

Environmental Restoration Program  
Historical Status of Commitments by Project

10/23/06

**WAGs 9 AND 11**

Description	Due Date	Submitted	Comments	CLSD
WAGs 9&11 D1 SAP for SE	02/28/97	02/27/97		CLSD
			EPA 04/09/97	CLSD
			KY 04/08/97	CLSD
WAGs 9&11 D1 SE Report (DOE/OR/07-1785&D1)	12/29/98	12/23/98		CLSD
			KY 03/26/99	CLSD
WAGs 9&11 D2 SAP for SE	06/09/97	06/26/97	During a 06/03/97 conversation, regulators granted an extension to 06/26/97.	CLSD
			Meeting planned for August 1997 to determine if D3 SAP is necessary.	
			KY 08/11/97	CLSD
WAGs 9&11 Addendum to D2 SAP	12/18/97	12/18/97		CLSD
			KY 02/12/98	CLSD
WAGs 9&11 ROC for Approval of Final D2 SAP	02/20/98	02/20/98		CLSD
			KY 03/12/98	CLSD
WAGs 9&11 SE Report (DOE/OR/07-1785&D2)	06/24/99	06/24/99	DOE sent 05/21/99 letter requesting extension of D2 due date from 05/25/99 to 06/24/99.	CLSD
			The SE process has been replaced with the OU Strategy.	
			EPA CLSD	
			KY 09/29/99	CLSD
WAGs 5 and 11 D1 RFI Work Plan	06/14/92	06/01/92	Resubmission moved to outyear pursuant to WAG restructuring included in Mod No. 10 to the RCRA Permit.	CLSD
			EPA 06/18/93	CLSD
			KY 03/29/95	CLSD

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