

**DOE/LX/07-0345/V2
Secondary Document**

**U.S. Department of Energy
Paducah Gaseous Diffusion Plant
Federal Facility Agreement
Semiannual Progress Report for the
Second Half of Fiscal Year 2010
Paducah, Kentucky**



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**U.S. Department Of Energy
Paducah Gaseous Diffusion Plant
Federal Facility Agreement
Semiannual Progress Report for the
Second Half of Fiscal Year 2010
Paducah, Kentucky**

Date Issued—October 2010

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

Prepared by
LATA Environmental Services of Kentucky, LLC
managing the
Environmental Remediation Activities at the
Paducah Gaseous Diffusion Plant
under contract DE-AC30-10CC40020

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CONTENTS

TABLES	v
ACRONYMS.....	vi
INTRODUCTION.....	1
GROUNDWATER OPERABLE UNIT	5
BURIAL GROUNDS OPERABLE UNIT	25
SURFACE WATER OPERABLE UNIT	31
SOILS OPERABLE UNIT.....	37
DECONTAMINATION AND DECOMMISSIONING OPERABLE UNIT	45
COMPREHENSIVE SITE OPERABLE UNIT	55
ADDITIONAL REPORTING.....	57
APPENDIX A: NORTHEAST AND NORTHWEST PLUME WATER WITHDRAWAL REPORTS.....	A-1
APPENDIX B: NORTHEAST PLUME AND NORTHWEST PLUME GRAPHS AND MAPS FIGURES B.1 THROUGH B.7	B-1
APPENDIX C: C-746-K LANDFILL DATA	C-1
APPENDIX D: ADMINISTRATIVE RECORD AND POST-DECISION RECORD INDICES.....	D-1
APPENDIX E: C-400 PROJECT GROUNDWATER MONITORING WELLS DATA	E-1

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TABLES

1.	Operable Units and Corresponding Report Topics.....	2
2.	TCE Concentrations for Northeast Plume	16
3.	TCE and ⁹⁹ Tc Concentrations for Northwest Plume	20
4.	TCE and ⁹⁹ Tc Concentrations for Northwest Plume Extraction Wells.....	20

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ACRONYMS

AM	Action Memorandum
ARRA	American Recovery and Reinvestment Act
BGOU	Burial Grounds Operable Unit
BHHRA	baseline human health risk assessment
BRA	baseline risk assessment
CAB	Citizens Advisory Board
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CRP	Community Relations Plan
D&D	decontamination and decommissioning
DOE	U.S. Department of Energy
EE/CA	Engineering Evaluation/Cost Analysis
EPA	U.S. Environmental Protection Agency
EQ	equalization
ERH	electrical resistance heating
EW	extraction well
FFA	Federal Facility Agreement
FS	Feasibility Study
FFS	Focused Feasibility Study
FY	fiscal year
GDP	Gaseous Diffusion Plant
GWOU	Groundwater Operable Unit
IRA	Interim Remedial Action
LATA Kentucky	LATA Environmental Services of Kentucky, LLC
NEPCS	Northeast Plume Containment System
NWP	Northwest Plume
NWPGS	Northwest Plume Groundwater System
O&M	operation and maintenance
OU	operable unit
PAA	photoacoustic analyzer
PCB	polychlorinated biphenyl
PGDP	Paducah Gaseous Diffusion Plant
PRS	Paducah Remediation Services, LLC
RAR	Removal Action Report
RAWP	Removal Action Work Plan
RGA	Regional Gravel Aquifer
RI	remedial investigation
ROD	Record of Decision
SAP	Sampling and Analysis Plan
SER	Site Evaluation Report
SMP	Site Management Plan
SOU	Soils Operable Unit
SST	Swift and Staley Mechanical Contractors, Inc.
SWMU	solid waste management unit
SWOU	Surface Water Operable Unit
⁹⁹ Tc	technetium-99
TCE	trichloroethene
USEC	United States Enrichment Corporation

VOC
WAG

volatile organic compound
waste area group

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

INTRODUCTION

The Paducah Gaseous Diffusion Plant (PGDP) was placed on the National Priorities List on May 31, 1994. In accordance with Section 120 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the U.S. Department of Energy (DOE) entered into a Federal Facility Agreement (FFA) with the U.S. Environmental Protection Agency (EPA) and Kentucky on February 13, 1998. The FFA established one set of consistent requirements for achieving comprehensive site remediation in accordance with the Resource Conservation and Recovery Act and CERCLA, including stakeholder involvement.

Site cleanup activities are being implemented in a sequenced approach consisting of (1) pre-shutdown scope, (2) post-shutdown scope, and (3) Comprehensive Site Operable Unit scope. The pre-shutdown scope is associated with media-specific operable units (OUs) initiated prior to shutdown of the operating Gaseous Diffusion Plant (GDP). The source areas for the Pre-GDP shutdown scope have been grouped into these media-specific OUs:

- Groundwater OU
- Surface Water OU
- Soils OU
- Burial Grounds OU
- Decontamination and Decommissioning OU

Section XXIII of the FFA requires that DOE prepare a regulatory progress report that describes the actions that DOE has taken during the previous six months to implement FFA requirements, as well as the schedules¹ of activities to be taken during the upcoming six months. Activities that have taken place after the reporting period closed are not included in this report. Projects and activities reported in this update are grouped by the media-specific OUs listed in Table 1.

Each section of this update has been divided into nine sections as follows:

- I. Work performed during the reporting period (including summaries of findings and any deviations from the work plan)
- II. Schedules of activities to be performed during next reporting period (including projected work/crucial phases of construction)
- III. Identity and assigned tasks of DOE contractors for work to be performed during this reporting period

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

Table 1. Operable Units and Corresponding Report Topics

Operable Unit	Project/Activities
Groundwater Operable Unit	<ul style="list-style-type: none"> • C-400 Interim Remedial Action • Southwest Plume Sources Interim Remedial Action • Dissolved-Phase Plumes Remedial Action • Northeast Plume Interim Remedial Action • Northwest Plume Interim Remedial Action
Burial Grounds Operable Unit	<ul style="list-style-type: none"> • Burial Grounds Operable Unit • SWMU 4
Surface Water Operable Unit	<ul style="list-style-type: none"> • Removal Action • Remedial Action
Soils Operable Unit	<ul style="list-style-type: none"> • Remedial Action • Soils Inactive Facilities • Soil and Rubble Areas
Decontamination and Decommissioning Operable Unit	<ul style="list-style-type: none"> • C-410/420 Complex • C-746-A East End Smelter and C-340 Metals Reduction Plant Complex
Comprehensive Site Operable Unit*	<ul style="list-style-type: none"> • No Projects
Additional Reporting	<ul style="list-style-type: none"> • Waste Area Groups 1 and 7 • Community Relations Plan • Site Management Plan • CERCLA Waste Disposal Alternatives Evaluation

* The Comprehensive Site Operable Unit work scope, including gaseous diffusion plant shutdown, is defined more clearly in the fiscal year 2010 SMP.

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

V. Primary/Secondary Document Tracking System

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

B) Due dates for completion of review/modification tasks

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:

VIII. Changes in relevant personnel

IX. Actual cost for operation and maintenance (O&M), if appropriate

Each of the sections satisfies a reporting requirement for the FFA semiannual report or the Hazardous Waste Facility Permit and has been formatted in accordance with the template found in Appendix D of the FFA.

This report includes 5 appendices as follows:

- Appendix A contains Northeast and Northwest Plumes Water Withdrawal Reports.
- Appendix B contains Figures B.1 through B.7, as referenced in the Northeast and Northwest Plume updates.
- Appendix C contains C-746-K Landfill groundwater monitoring data for reporting dates, October 1, 2009, through March 31, 2010. C-746-K Landfill groundwater monitoring data for reporting dates April 1, 2010, through September 30, 2010, will be included in the next semiannual report scheduled for April 2011. Sampling of these monitoring wells is outlined in the Record of Decision for Waste Area Groups 1 and 7.
- Appendix D contains updates to the Administrative Record index since the last progress report. This is required by the Paducah FFA (Section XXXII.F).
- Appendix E contains the C-400 Groundwater Monitoring Wells data for December 2009 through March 2010.

As required by the Paducah FFA (Section VII), DOE must provide to EPA and the Commonwealth of Kentucky the identity of each of its contractors. Effective July 26, 2010, DOE's remediation contractor changed from Paducah Remediation Services, LLC, (PRS) to LATA Environmental Services of Kentucky, LLC, (LATA Kentucky). PRS performed activities described in this document from April 1, 2010 through July 25, 2010; LATA Kentucky performed the activities from July 26 through present. LATA Kentucky prepared this report on behalf of DOE.

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

GROUNDWATER OPERABLE UNIT

The scope of the Groundwater Operable Unit (GWOU) includes investigation, a baseline risk assessment (BRA), evaluation of removal/remedial alternatives, and selection and implementation of actions necessary to achieve protection of human health and the environment from exposure to groundwater contamination that could result in unacceptable risk.

Within the GWOU are these projects: C-400 Interim Remedial Action (IRA), Southwest Plume Sources, Dissolved-Phase Plumes, Northeast Plume IRA, and Northwest Plume (NWP) IRA. Supporting projects in the GWOU include the update and revision of the *Methods for Conducting Risk Assessments and Risk Evaluations at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, Volume 1, *Human Health*, DOE/OR/07-1506/V1&D2, and the Sitewide Numerical Groundwater Model, which are included in the Dissolved-Phase Plumes update.

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
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Reporting Period: 4/01/2010-9/30/2010**

GROUNDWATER OPERABLE UNIT PROJECT: C-400 IRA

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

- Developed and issued operating instructions for C-400 IRA operations.
- Continued operation for C-400 IRA.
- Reached target temperatures for Phase I treatment areas and trichloroethene (TCE) recovery asymptotic conditions (Remediation Goals) in both the eastern and southwest treatment zones. Notification and supporting data have been sent to EPA and Kentucky for concurrence that the remediation goals have been achieved for Phase I.
- Removed and recovered ~550 gal of TCE.
- Started pulsed operations in both the Eastern and Southwest Treatment Zones.
- The photoacoustic analyzer (PAA) for the C-400 IRA treatment system malfunctioned and remained inactive for approximately 3.5 hours on May 20, 2010. To prevent reoccurrence, on June 2, 2010, the team programmed the alarm system to verify the PAA is functioning properly, and on July 9, 2010, converted the alarm to an automatic shutdown of the vapor extraction system.
- Started evaluation of changes needed for Phase II design.
- Groundwater monitoring continued for the C-400 project, required by the *Remedial Action Work Plan for the Interim Remedial Action the Volatile Organic Compound Contamination at the C-400 Cleaning Building at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, DOE/LX/07-0004&D2/R2*. The results of the groundwater monitoring for the October 1, 2009, through March 31, 2010, reporting period, are included as Appendix E of this report. The results of the groundwater monitoring for the April 1, 2010, through September 30, 2010, reporting period will be included in the April 2011 report.

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

- Complete the evaluation of the Phase I data and lessons learned.
- Develop path forward for Phase II and obtain FFA parties' concurrence on path forward.

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 GWOU belongs to LATA Kentucky as the DOE prime remediation contractor at the PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management services. Swift and Staley Mechanical Contractors, Inc., (SST) manages the Administrative Record and the Environmental Information Center.

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

The requirements are being met for the GWOU C-400 action subproject.

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:

Not applicable.

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

The electrical resistance heating (ERH) did not reach target temperature in the lower Regional Gravel Aquifer (RGA); this is being evaluated and may require significant changes to the design and possibly the method of accomplishment.

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

DOE provided routine updates on the subproject to the Paducah Site Citizens Advisory Board (CAB), FFA managers, local elected officials, and congressional staff.

VIII. Changes in relevant personnel:

None.

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

The total cost for the reporting period was approximately \$10.2M.

**FEDERAL FACILITY AGREEMENT
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GROUNDWATER OPERABLE UNIT PROJECT: Southwest Plume Sources

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

- DOE, EPA, and Kentucky entered into informal dispute regarding issues related to resolution of comments on the D2 Focused Feasibility Study (FFS) for the Southwest Groundwater Plume Volatile Organic Compound (VOC) Sources on April 12, 2010. The basis of informal dispute related to the application of Kentucky radionuclide effluent limits; wastewater effluent monitoring and reporting requirements; and references and application of land use controls as remedy components. The informal dispute was resolved on May 20, 2010. The resolution included revised planning dates for the D2/R1 FFS (June 27, 2010); the D2 Proposed Plan (June 27, 2010); the D1 ROD (October 24, 2010); the D1 Remedial Design Work Plan (January 2, 2011); the D1 Remedial Design Report (March 28, 2012); the D1 Remedial Action Work Plan (April 26, 2012); and the D1 Remedial Action Completion Report (August 5, 2015).
- DOE submitted the D2/R1 FFS and the D2 Proposed Plan to EPA and Kentucky on June 28, 2010.
- DOE received approval of the D2/R1 FFS from EPA and Kentucky on July 26, 2010.
- DOE received conditional concurrence on the D2 Proposed Plan from EPA and Kentucky on July 29, 2010.
- DOE provided verbal notification to EPA and Kentucky on August 26, 2010, requesting a 60-day extension for the submittal of the D2/R1 Proposed Plan and milestone modification requests for the D1 ROD and associated documents. This verbal request was followed by a written request on September 7, 2010. The basis of the extension request was the need to reevaluate the approved FFS and Proposed Plan in light of new information available from the C-400 Phase 1 project.
- DOE met with EPA and Kentucky on September 23 and 29, 2010, to convey details of new information available from the Phase 1 C-400 Project, which forms the basis of the request for schedule extension and to convey technical information on applicable technologies and remedial alternative concepts for the Southwest Plume sources sites.

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

- Work with EPA and Kentucky to develop a mutually agreeable path forward.
- Prepare and issue a new FS for the Southwest Plume Sources to EPA and Kentucky.

- Prepare and submit a D2/R2 Proposed Plan for the Southwest Plume Sources to EPA and Kentucky.

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 GWOU belongs to LATA Kentucky, as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky also provides programmatic and technical support, analytical services, and business management services. SST manages the Administrative Record and the Environmental Information Center.

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

DOE provided verbal notification to EPA and Kentucky on August 26, 2010, requesting a 60-day extension for the submittal of the D2/R1 Proposed Plan and milestone modification requests for the D1 ROD and associated documents. This verbal request was followed by a written request on September 7, 2010. The basis of the extension request was the need to reevaluate the approved FFS and Proposed Plan in light of new information available from the C-400 Phase 1 project. Concurrence on this path forward is pending FFA party approval.

V. Primary/Secondary Document Tracking System:

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

- D2 and D2/R1 FFS for the Southwest Plume Sources is in preparation.
- There are no documents currently under review for this period.
- The schedule and preparation of documents to advance remedial alternative development and selection is pending FFA party agreement on path forward as described in Sections I and IV, above.

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

- A response from EPA regarding DOE's request for extension, as described in Sections I and IV, is expected early in the next reporting period.

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

See Sections I and IV above, regarding DOE's request for extension to reevaluate the approved FFS and Proposed Plan in light of new information available from the C-400 Phase 1 project. It is DOE's position that observed soil vapor vacuum data and potential cost escalation coupled with inherent uncertainty in mass estimation, as underscored by C-400 Phase 1 observations, form the basis of good cause for reevaluation of the technical path forward for Southwest Plume source mitigation. DOE is working to identify schedule efficiencies to minimize the amount of time required to issue a revised FS and Proposed Plan or to replan the documentation path for the project.

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

DOE provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, and congressional staff.

VIII. Changes in relevant personnel:

None.

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

None.

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Reporting Period: 4/01/2010-9/30/2010**

GROUNDWATER OPERABLE UNIT PROJECT: Dissolved-Phase Plumes

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

- Met with EPA and Kentucky on May 12 and 13, 2010, and August 17, 2010, to continue the Dissolved-Phase Remedial Investigation (RI)/Feasibility Study (FS) Work Plan scoping process.
- Conducted Dissolved-Phase RI/FS Work Plan scoping teleconference meetings with EPA and Kentucky on July 14 and September 8, 2010.
- Continued coordination with Tennessee Valley Authority to secure access agreements for installation of six remaining monitoring wells.

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

The FFA parties will continue the scoping process for the Dissolved-Phase Plume RI Work Plan as required to support pending revisions to SMP milestone dates for project sequencing and implementation.

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 GWOU belongs to LATA Kentucky as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management services. SST manages the Administrative Record and the Environmental Information Center.

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

- Project implementation is on schedule.
- The project has been selected for replanning in accordance with the reprioritization and project sequencing effort [which is expected to occur in early fiscal year (FY) 2011].

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:

Not applicable.

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:

DOE provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, and congressional staff.

VIII. Changes in relevant personnel:

None.

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

None.

**FEDERAL FACILITY AGREEMENT
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Reporting Period: 4/01/2010-9/30/2010**

GROUNDWATER OPERABLE UNIT PROJECT: Northeast Plume IRA

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

During this reporting period, the Northeast Plume Containment System (NEPCS) treated 45,308,999 gal of contaminated groundwater and achieved an operational efficiency of 99.4%. The average system treatment rate for the reporting period was 172 gal/min and was calculated assuming 100% operational uptime. Operational efficiencies for the reporting period were as follows: April, 100%; May, 100%; June, 100%; July, 100%; August, 96.2%; and September 2010, 100%.

A) Process Operations:

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

B) Process Testing:

Operation of the NEPCS began February 28, 1997. As of September 30, 2010, the NEPCS has processed a total of approximately 1,114,000,000 gal of water. The monthly withdrawal volumes this reporting period are presented in Appendix A, Table 1, of this report. This table includes a summary of the withdrawn 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 2010.

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 (EWs). Influent TCE analytical data from 1997 through the end of June 2010 are presented in Appendix B, Figure B.1. Environmental samples were collected monthly from the treatment system influent and effluent for the period of January through June 2010. High, low, and average influent and effluent TCE concentrations for these months are presented in Table 2. Values reported as less than the reporting limit of 1 ppb are considered to be 1 ppb for averaging and graphing purposes.

Table 2. TCE Concentrations for Northeast Plume

	TCE (ppb)		
	High	Low	Average
Influent (EQ Tank)	190	140	159
Effluent (Cooling Tower effluent)*	< 1	< 1	< 1

* For the purpose of determining efficiency, a reading of < 1 is assumed to be zero.

As presented in Table 2, the NEPCS continued to remove TCE effectively. The system operated with an average removal efficiency of 100% for TCE. All effluent TCE samples showed less than the reporting limit.

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 EW331 had an average TCE concentration of 153 ppb, while EW332 had an average concentration of 195 ppb.

Concentrations of technetium-99 (⁹⁹Tc) in water samples collected from the EQ tank did not exceed shut down action level of 3,600 pCi/L. The highest reading from the EQ tank was 24.6 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*, PAD-ENM-001, September 2010.

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

Nonroutine Maintenance Activities:

On August 1-2, 2010, the Northeast Plume Operation was taken out-of-service to replace the effluent flowmeter from the Northeast Plume Equalization Tank. A new flowmeter was installed and the system was restarted.

E) Effectiveness Monitoring—Monitoring Well Results:

Figures B.2a, B.2b, B.2c, B.2d, and B.2e presented in Appendix B, show TCE concentrations and ⁹⁹Tc activities in monitoring wells downgradient and upgradient and the extraction wells. Figure B.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 ⁹⁹Tc migration. During the first and second quarters of calendar year 2010, ⁹⁹Tc activity at MW292 was 54.9 and 56.5 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, as specified within 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.
- The development of criteria for putting the Northeast Plume extraction system on standby in accordance with the goals of the ROD and the recommendations of the CERCLA Five-Year Review is being reconsidered based on the results of the recent Environmental Monitoring System upgrade and the established remedial action objectives for groundwater restoration.

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 belongs to LATA Kentucky as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky also provides programmatic and technical support, analytical services, and business management services. SST manages the Administrative Record and the Environmental Information Center.

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 remained operational 99.4% of the time during this reporting period.

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):

No future operational problems or delays are anticipated.

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

None.

VIII. Changes in relevant personnel:

None.

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 the reporting period was \$341,000.

**FEDERAL FACILITY AGREEMENT
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**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

GROUNDWATER OPERABLE UNIT PROJECT: Northwest Plume IRA

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

During this reporting period, the Northwest Plume Groundwater System (NWPGS) treated 48,857,650 gal of contaminated groundwater with an average monthly operational efficiency of 89.9 %. The average system treatment rate for the reporting period was 186 gal/min and was calculated assuming 100% operational uptime. Operational efficiencies for the reporting period were as follows: April, 100%; May, 100%; June, 98.8%; July, 95.3%; August, 54.8%; and September 2010, 90.8%.

DOE submitted the Remedial Action Work Plan for the NWP IRA optimization to EPA on May 4, 2010. Receiving approval from EPA on May 10, 2010, and from Kentucky on June 3, 2010.

DOE completed major construction for the optimization of the NWP Treatment System on August 13, 2010. Following completion of construction, the system underwent testing and was commissioned on August 27, 2010, transferring the system to routine operation and maintenance.

DOE issued a revised O&M Plan for the NWP Groundwater System IRA D4/R5 on September 13, 2010.

DOE submitted the *Explanation of Significant Differences to the Record of Decision for the Interim Remedial Action of the Northwest Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-0343&D1, on September 30, 2010.

A) Process Operations:

The NWPGS consists of two EW fields (each field has two EWs), for a total of four wells, underground pipeline, treatment facility, and monitoring well network. During the reporting period, two new EWs (EW232 and EW233) were installed in the south well field near the north fence line of PGDP. The north EWs (EW228 and EW229) were removed from service in August 2010, and the new EWs were placed into operation at that time. EW230 and EW231, also located in the south well field, will be kept in standby mode and returned to service as needed.

B) Process Testing:

Operation of the NWPGS began on August 28, 1995. As of September 30, 2010, the NWPGS has processed a total of 1,513,000,000 gal of water. The monthly withdrawal volumes for the reporting period are presented in Appendix A, Table 2, of this report. This table includes a summary of the withdrawn 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 2010.

The influent sample results, compared to the NWPGS effluent results, indicated that the NWPGS continues to effectively remove TCE and ⁹⁹Tc. Influent and effluent TCE and ⁹⁹Tc analytical data are presented in Appendix B on Figures B.4a, B.4b, B.5a, and B.5b, respectively.

TCE values reported as less than the reporting limit of 1 ppb are considered to be 1 ppb for averaging and graphing purposes. High, low, and average influent and effluent TCE and ⁹⁹Tc concentrations from January through June 2010 are presented in Table 3.

Table 3. TCE and ⁹⁹Tc Concentrations for Northwest Plume

	TCE (ppb)			⁹⁹ Tc (pCi/L)		
	High	Low	Average	High	Low	Average
Influent	1,500	580	1,200	222	107	175
Effluent	4	1.0	1.8	64	0.5	20.9

The treatment system influent, a composite from four EWs, was sampled weekly, and the effluent was sampled daily during this reporting period. As presented in Table 3, the NWPGS continued to effectively remove TCE and ⁹⁹Tc. The system operated with an average removal efficiency of 99.85% for TCE and 88.0% for ⁹⁹Tc.

The average TCE effluent concentration for this reporting period was 1.8 ppb, which is less than the treatment goal of 5 ppb. The average ⁹⁹Tc effluent value was 20.9 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 2010. High, low, and average sample results for this reporting period at the EWs are shown in Table 4.

Table 4. TCE and ⁹⁹Tc Concentrations for Northwest Plume Extraction Wells

	TCE (ppb)			⁹⁹ Tc (pCi/L)		
	High	Low	Average	High	Low	Average
EW228	5.8	3.7	4.8	5.1	2.13	3.62
EW229	8.7	6.6	7.8	6.51	2.84	4.39
EW230	4,900	3,800	4,200	597	499	536
EW231	110	67	89	54.2	34.7	44.5

D) Treatment Media:

Ion Exchange Resins:

The NWPGS is equipped with four ion exchange columns used for the removal of ⁹⁹Tc. Purolite A-520-E resin is used in the columns, which are arranged in a lead/lag configuration on two parallel skids. Replaced resin columns F-005 and F-006 (both lead columns) during the week of April 26, 2010, through May 3, 2010.

Activated Carbon Media:

The NWPGS is equipped with two carbon columns containing granular activated carbon for adsorption of VOCs from the vapor-phase effluent of the air stripper unit. The carbon in each column is replaced routinely. The carbon in both columns was replaced on September 22, 2010, with new and recycled carbon. The current inventory of recycled carbon has been depleted and the purchase of additional virgin carbon will be required.

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*, PAD-ENM-0001, September 2010. Instances of minor downtime occurred during the reporting period relating to power outages, maintenance, and calibration of the system.

Nonroutine Maintenance Activities:

On July 30, 2010, at 1300 hours through August 2, 2010, at 0600 hours, removed the NWP Treatment System from operation to support United States Enrichment Corporation (USEC) activities associated with the electrical tie-ins to the NWP Optimization Project. Power to the C-612 facility was out-of-service.

On August 11, 2010, at 0700 hours through 0800 hours on August 24, 2010, removed the NWP Treatment System from operation to support the transfer line tie-in and startup testing activities associated with the NWP Optimization Project.

On September 11 and 12, 2010, removed the NWP Treatment System from service when excessive water from a three and one-half inch rainfall event leaked into the manholes and new well vaults (EW232 and EW233). The leak detectors in the manholes and well vaults automatically shut down the system. Repairs of the leaks were completed the following week by the contractor who installed the NWP Optimization Project, and restarted the system.

On September 15, 2010, removed the NWP Treatment System from operation for eleven hours due to a power outage at the C-612 facility. Power was restored to the facility, and the treatment system was restarted.

On September 22, 2010, removed the NWP Treatment System from operation for eight hours to support the change out of the activated carbon from the carbon columns.

On September 24, 2010, the on-line TCE analyzer became inoperable. Initiated efforts to bring a service technician to the site to make the repairs. As of September 30, 2010, the analyzer is still inoperable.

F) Effectiveness Monitoring—Monitoring Well Results:

Figures B.6a, B.6b, B.6c, B.6d, and B.6e presented in Appendix B, show TCE and ⁹⁹Tc concentrations in monitoring wells at the south and north fields of the Northwest Plume and the EWs, respectively. These graphs show all data since monitoring began in 1995 and indicate the position of the monitoring wells relative to the extraction. Figure B.7, included in Appendix B, shows locations of the monitoring wells and EWs.

G) Modification of the NWPGS Operations or Configuration:

Construction activities for the NWP IRA Optimization commenced in March 2010. The project team began drilling and installation of two new EWs in the vicinity of the existing south well field. The new EWs, EW232 and EW233, became operational on August 24, 2010. These EWs supplant the existing EWs for recovery of TCE contaminated groundwater from the NWP. Each of the new wells will have a design capacity of 220 gal per minute and will be operated full time. EW228 and EW229 have been disconnected from the Northwest Plume Treatment facility. EW230 and EW231 will be kept in standby mode and can be operated as needed.

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 operation, as specified in 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/R5.

Hydraulic and chemical effectiveness monitoring, as described in the D4/R5 O&M Plan for the NWP Groundwater System IRA will be initiated during the reporting period.

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 NWPGS belongs to LATA Kentucky as the DOE prime remediation contractor at PGDP. In addition LATA Kentucky provides programmatic and technical support, analytical services, and business management services. SST manages the Administrative Record and the Environmental Information Center.

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 ⁹⁹Tc during the reporting period. The NWPGS has remained operational 89.6% of the time during this reporting period.

V. Primary/Secondary Document Tracking System:

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

- *Operation 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/R5.*
- *Remedial Action Work Plan for the Northwest Plume Interim Remedial Action Optimization at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, DOE/LX/07-0339&D1.*
- *Explanation of Significant Differences to the Record of Decision for the Interim Remedial Action of the Northwest Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, DOE/LX/07-0343&D1.*
- *Postconstruction Report for the Northwest Plume Optimization at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, DOE/LX/07-0359&D1.*

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

- EPA and Kentucky comments or approval of the O&M Plan are due December 13, 2010.
- EPA and Kentucky comments or approval of the ESD to the Record of Decision for the Interim Remedial Action of the Northwest Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, DOE/LX/07-0343&D1 are due October 31, 2010.

VI. Anticipated problems/delays (provide summary of problems, schedule, and 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:

DOE submitted the Water Withdrawal Reports for April, May, June, July, August, and September 2010 for their respective months to the Kentucky Division of Water.

VIII. Changes in relevant personnel:

None.

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 the reporting period was \$341,000.

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

BURIAL GROUNDS OPERABLE UNIT

The scope of the Burial Grounds Operable Unit (BGOU) includes an RI, Baseline Human Health Risk Assessment (BHHRA), evaluation of remedial alternatives, remedy selection, and implementation of actions, as necessary, for protection of human health and the environment for the following burial grounds.

Within the BGOU are these solid waste management units (SWMUs): C-749 (SWMU 2); C-404 (SWMU 3); C-747/C-748-B (SWMU 4); C-746-F (SWMU 5); C-747-B (SWMU 6); C-747-A (SWMUs 7 and 30), the area beneath C747-A (SWMU 12); C-746-P/P1 Scrap Yard (SWMU 13); the residential/inert borrow area (SWMU 145); and the C-746-S&T Landfills (SWMUs 9 and 10). DOE conducted a site investigation for the C-746-P/P1 Scrap Yard (SWMU 13) under the BGOU Project. The FFA parties are planning to accelerate implementation of SWMU 4 for an early action prior to remedy selection and implementation of remedial action for the overall BGOU, contingent upon available additional funding.

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

BURIAL GROUNDS OPERABLE UNIT PROJECT: C-749 (SWMU 2); C-404 (SWMU 3); C-747/C-748-B (SWMU 4); C-746-F (SWMU 5); C-747-B (SWMU 6); C-747-A (SWMUs 7 and 30), the area beneath C-747-A (SWMU 12); the Residential/Inert Borrow Area (SWMU 145); the C-746-S&T Landfills (SWMUs 9 and 10); and A Site Investigation for the C-746-P/P1 Scrap Yard (SWMU 13)

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

- Developed and submitted the errata for the D2/A1/R2 SWMU 13 Work Plan Addendum/Field Sampling Plan to EPA and Kentucky April 13, 2010.
- Received approval D2/A1/R2 SWMU 13 Work Plan Addendum/Field Sampling Plan from EPA on March 23, 2010, and Kentucky on April 22, 2010.
- Collected samples in the C-746-P/P1 Scrap Yards (SWMU 13) in accordance with the D2/A1/R2 SWMU 13 Work Plan Addendum/Field Sampling Plan.
- Submitted the BGOU D1 Feasibility Study for the BGOU to EPA on April 28, 2010.
- Received comments on the D1 FS Report from Kentucky on July 30, 2010, and EPA on September 2, 2010.

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

- Revise the BGOU D1 FS Report based on EPA and Kentucky comments.
- Develop the SWMU 13 Site Evaluation Report.
- Develop the BGOU D1 Proposed Plan.

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

Responsibility for the day-to-day operations of BGOU belongs to LATA Kentucky as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky also provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center, and maintains existing burial ground caps.

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

EPA notified DOE on July 27, 2010, of a 30-day extension for review of the D1 FS. EPA followed with an additional extension request on August 27, 2010, to allow time to reconcile comments from all internal reviewers, due to the extensive scope of the document. EPA comments were received on September 2, 2010.

V. Primary/Secondary Document Tracking System:

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

- EPA and Kentucky reviewed the BGOU D1 FS Report.
- DOE is preparing the BGOU D2 FS Report.
- DOE prepared a BGOU D0 Proposed Plan.
- DOE prepared the errata for the D2/A1/R2 SWMU 13 Work Plan Addendum/Field Sampling Plan.

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

- D2 FS is due to EPA and Kentucky on November 1, 2010.
- D1 Proposed Plan is due to EPA and Kentucky on October 24, 2010.

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

- The current due dates for FFA documents create an abnormal submittal sequence, with the D1 Proposed Plan due to EPA and Kentucky before the D2 FS. DOE has requested an extension of the Proposed Plan to alleviate this problem.

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

DOE provided routine updates on the subproject to the CAB and FFA managers.

VIII. Changes in relevant personnel:

Jeff Snook replaced Jennifer Woodard as DOE's primary contact for the overall BGOU Project.

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

None.

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

BURIAL GROUNDS OPERABLE UNIT PROJECT: C-747/C-748-B (SWMU 4)

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

- Received comments on D1 Engineering Evaluation/Cost Analysis (EE/CA) from EPA on March 29, 2010, and Kentucky on April 7, 2010.
- Developed D2 Draft Removal Action Work Plan (RAWP) Phase I.
- Developed D1 Action Memorandum (AM).
- Developed Draft D1 RAWP (Phase 2).

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

DOE verbally requested an extension on September 30, 2010, to meet with the FFA parties to discuss a path forward for obtaining additional information necessary to characterize and delineate the contamination at SWMU 4, which will delay submittal of the D2 EE/CA and follow-on submittals.

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

Responsibility for the day-to-day operations of SWMU 4 belongs to LATA Kentucky as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center, and maintains existing burial ground cover.

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

The schedule dates are project dates and do not include regulatory milestones.

V. Primary/Secondary Document Tracking System:

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

- EPA and Kentucky reviewed D1 EE/CA.
- Discussed and resolved D1 regulatory comments on the EE/CA during an FFA Managers meeting on April 14, 2010.

- Preparing RAWP (Phase 1) for submittal to EPA and Kentucky.
- Preparing RAWP (Phase 2) for submittal to EPA and Kentucky.
- Preparing AM for submittal to EPA and Kentucky.

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

DOE verbally requested an extension on September 30, 2010, to meet with the FFA parties to discuss a path forward for obtaining additional information necessary to characterize and delineate the contamination at SWMU 4, which will delay submittal of the D2 EE/CA and follow-on submittals.

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

Finalization of the D2 EE/CA was delayed to accommodate the development and inclusion of an alternative treatment technology option (i.e., metal melting). DOE submitted a 60-day extension request to EPA and Kentucky on August 12, 2010, which was approved. This extension has subsequent schedule effects on the Action Memorandum (AM) and RAWPs.

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

None.

VIII. Changes in relevant personnel:

None.

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

None.

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

SURFACE WATER OPERABLE UNIT

The Surface Water Operable Unit (SWOU) includes the Surface Water Removal Action and Surface Water Remedial Action projects. Additionally, O&M is performed on North-South Diversion Ditch Sections 1 and 2 and institutional controls, as required by the *Operations and Maintenance Plan for Sections 1 and 2 of the North-South Diversion Ditch*, DOE/OR/07-2057&D2, and *Operations and Maintenance Plan for the Surface Water Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-1904&D1; and O&M activities for the C-613 Basin are done in accordance with the *Operations and Maintenance Plan for the Northwest Storm Water Collection Basin at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-2044&D1/R4, respectively. Inspection reports are filed in the Document Management Center, managed by SST. The estimated annual cost of this O&M is \$84,000.

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

SURFACE WATER OPERABLE UNIT PROJECT: Removal Action

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

- Completed scope of the SWOU Removal Action that had begun at Outfall 11 and the North-South Diversion Ditch in the previous reporting period. Approximately 22,677 yd³ of soil and sediment were removed between April 1, 2010, and September 23, 2010.
- Shipped all waste to the C-746-U Landfill or Clive, Utah, except for a final shipment of five bags of soils and associated waste. The remaining five bags are intended for disposal at Clive, Utah.
- Delineated the “seam” at Outfall 015, EU7, and RU16.
- Completed demobilization of all equipment on September 16, 2010.
- Prepared for submittal the D1 version of the SWOU Removal Action Report (RAR).

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

DOE will transmit SWOU RAR to EPA/Kentucky for review and approval.

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 SWOU Removal Action belongs to LATA Kentucky as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center.

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

This project is currently on schedule.

V. Primary/Secondary Document Tracking System:

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

The D1 SWOU RAR is currently under preparation.

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:

DOE provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, and congressional staff.

VIII. Changes in relevant personnel:

None.

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

None.

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

SURFACE WATER OPERABLE UNIT PROJECT: Remedial Action

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

Held scoping discussions with regulators as follows:

- Held meetings of the SWOU RI scoping team on June 28-29, 2010, and August 24-25, 2010.
- Participated in a conference call with the SWOU RI scoping team on August 12, 2010.
- Participated in conference calls with the Ecological Working Group of the SWOU RI scoping team held on July 19, 2010, July 26, 2010, and on July 28, 2010.

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

The D1 SWOU RI Work Plan is due to EPA and Kentucky on July 11, 2011.

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 Surface Water Operable Unit Remedial Action belongs to LATA Kentucky, as the DOE prime remediation contractor at the PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center.

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

Project is on schedule based upon revised Surface Water Remedial Action completion date to December 13, 2017 (See Surface Water Operable Unit Removal Action Section VI).

V. Primary/Secondary Document Tracking System:

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

The SWOU RI Work Plan is currently under preparation.

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

The D1 SWOU RI Work Plan is due to EPA and Kentucky on July 11, 2011.

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

Currently, no delays are anticipated based upon the Surface Water Remedial Action completion date of December 13, 2017. (See Surface Water Operable Unit Removal Action Section VI.) No delays are anticipated with development of the SWOU RI Work Plan, and a D1 currently is on schedule for submittal to EPA and Kentucky on July 11, 2011.

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

DOE provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, and congressional staff.

VIII. Changes in relevant personnel:

None.

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

None.

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

SOILS OPERABLE UNIT

The Soils OU is being implemented in a phased approach (i.e., pre-GDP shutdown and post-GDP shutdown). The Soils OU consists of 86 SWMUs/areas of concern; three inactive [C-218 Firing Range (SWMU 181), C-403 Neutralization Tank (SWMU 40), C-410-B HF Neutralization Lagoon (SWMU 19)]; and the soil/rubble areas that have been identified to date. Prior to GDP shutdown, the Soils OU will focus on accessible plant surface soils (ground surface to 10 ft below ground surface and 16 ft below ground surface in the vicinity of pipelines) not associated with PGDP operations. Following PGDP shutdown, slabs and underlying soils associated with facilities that have undergone Decontamination and Decommissioning (D&D) will be addressed as part of a subsequent action (e.g., post-GDP shutdown for the Soils and Slabs OU).

Due to interferences from ongoing USEC operations, implementation of the response action pursuant to an approved Action Memorandum (*Action Memorandum for Soils Operable Unit Inactive Facilities*, DOE/LX/07-0121&D2/R1, DOE, Paducah, Kentucky, October) for SWMU 40 will occur after GDP shutdown. Implementation of the SWMU 40 response will be reinstated with development, review, and approval of an RAWP.

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

SOILS OPERABLE UNIT PROJECT: Remedial Action

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

- Received conditional approval of the D2/R2 SOU RI/FS Work Plan from EPA on April 28, 2010.
- Submitted replacement pages for the D2/R2 SOU RI/FS Work Plan on June 24, 2010.
- Received approval from Kentucky for the D2/R2 SOU RI/FS Work Plan on July 8, 2010. Held comment resolution by phone conference with EPA on August 23, 2010.
- Issued replacement pages for the D2/R2 SOU RI Work Plan on September 23, 2010.
- Completed the RI fieldwork grid sampling including collection of nearly 300 fixed-base laboratory samples and over 3,000 field samples using a direct push technology rig or similar equipment on September 23, 2010.
- Continue biased radiological surface sampling based on the D2/R2 SOU RI/FS Work Plan (maximum 86 samples).
- Developing the D1 Sitewide Evaluation Work Plan for submittal to Kentucky and EPA.

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

- EPA's approval for the D2/R2 SOU RI/FS Work Plan was received on October 6, 2010.
- Complete biased radiological surface sampling based on D2/R1 SOU RI/FS Work Plan by November 1, 2010.

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 SOU remedial investigation belongs to LATA Kentucky, as the DOE prime remediation contractor at the PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center.

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

DOE issued a D2/R2 SOU RI Work Plan on June 24, 2010. Multiple extensions for document reviews and submittals have been requested by EPA, Kentucky, and DOE. Extension requests

have impacted due dates for documents and impacted project milestones. The project is approximately 12 months behind schedule due to the previously mentioned extension delays prior to and during this reporting period.

V. Primary/Secondary Document Tracking System:

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

- DOE prepared the D2/R2 SOU RI Work Plan and submitted to EPA and Kentucky for their review.
- DOE prepared the D2/R2 SOU RI Work Plan replacements pages and submitted to EPA and Kentucky for review.
- DOE has been preparing the D1 Sitewide Evaluation Work Plan for submittal to EPA and Kentucky for their review.

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

DOE issued the D2/R2 SOU RI Work Plan replacement pages September 23, 2010; EPA's approval was received on October 6, 2010. Kentucky previously approved the document on July 8, 2010.

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

DOE anticipates requesting a milestone extension for the Remedial Investigation Report and subsequent documents based upon delays of approval of the Soils RI/FS Work Plan.

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

DOE provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, and congressional staff.

VIII. Changes in relevant personnel:

None.

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

None.

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

SOILS OPERABLE UNIT PROJECT: Soils Inactive Facilities

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

DOE submitted the D1 Removal Action Report for SOU Inactive Facilities SWMUs 19 and 181 on August 10, 2010. Received comments from EPA on September 9, 2010, and KDEP on September 10, 2010.

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

DOE will submit and obtain EPA and Kentucky approval of the D2 Removal Action Report.

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 Soils Inactive Facilities belongs to LATA Kentucky, as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center.

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

The project is currently on schedule with the Removal Action Report.

V. Primary/Secondary Document Tracking System:

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

- DOE prepared and submitted the D1 Removal Action Report for SOU Inactive Facilities SWMUs 19 and 181 to EPA and Kentucky for their review.
- Preparing the D2 Removal Action Report for SOU Inactive Facilities SWMUs 19 and 181.

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

DOE expects to issue the D2 Removal Action Report for SOU Inactive Facilities SWMUs 19 and 181 by October 25, 2010.

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:

DOE provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, and congressional staff.

VIII. Changes in relevant personnel:

None.

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

None.

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

SOILS OPERABLE UNIT PROJECT: Soil and Rubble Areas

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

- Received approval of D2/R1 Site Evaluation Report (SER) for Addendum 1B Soil Piles from EPA on May 25, 2010. Submitted the D2/R2 SER for Addendum 1B Soil Piles based on additional sampling of 6 soils piles to Kentucky and EPA on September 3, 2010.
- Issued the D2/R1 *Site Evaluation Report for Addendum 2 Soil Piles at the Paducah Gaseous Diffusion Plant*, on January 15, 2010. Received approval from EPA on May 25, 2010, and from Kentucky on July 8, 2010.

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

Obtain approval on the D2/R2 SER for Addendum 1-B Soil Piles Areas.

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 SOU soil and rubble areas belongs to LATA Kentucky, as the DOE prime remediation contractor at the PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center.

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

Pursuant to the February 16, 2007, "Notification of Soil and Rubble Areas" letter, project implementation dates for soil and rubble areas were based on regulatory approval of the first Sampling and Analysis Plan (SAP). The project currently is behind schedule due to previous multiple review and extension requests outside of and during the current reporting period.

V. Primary/Secondary Document Tracking System:

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

DOE prepared and submitted the D2/R2 SER for Addendum 1B Soil Piles for review by EPA and Kentucky.

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

DOE submitted the D2/R2 SER for Addendum 1B Soil Piles; approval is due by October 3, 2010.

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

Delay of regulatory approval of the SAP and addenda have impacted completion of the fieldwork and subsequent SERs. Additional delays in obtaining approvals of the SERs may be incurred as a result of uranium previously being analyzed/extracted by methods different from those expected by Kentucky. In addition, the site evaluation for the soil piles does not present an imminent risk; therefore, consolidating soil piles removal with the future SOU Removal Action will result in a cost savings and insignificant schedule delay.

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

DOE provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, and congressional staff.

VIII. Changes in relevant personnel:

None.

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

None.

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

DECONTAMINATION AND DECOMMISSIONING OPERABLE UNIT

The D&D Operable Unit will employ the CERCLA removal action process to decommission excess buildings (i.e., inactive with no reuse potential) that have a known or potential release of contamination to the environment. Consistent with the 1995 DOE and EPA Memorandum: *Policy on Decommissioning DOE Facilities under CERCLA*, DOE will employ the CERCLA Non-Time-Critical Removal Action framework when appropriate. In instances where facilities do not have a known or potential release, DOE may decommission the facility as a non-CERCLA demolition action using National Environmental Policy Act documentation.

The remaining scope of the D&D OU prior to PGDP shutdown consists of the following inactive DOE facilities:

- C-410/420 Feed Plant Complex
- C-340 Metals Reduction Complex
- C-746-A East End Smelter

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

D&D OPERABLE UNIT: C-410/420 Complex

The scope of this project includes D&D of the C-410 Uranium Hexafluoride Feed Plant, using CERCLA removal actions implemented in accordance with the FFA and consistent with the 1995 EPA and DOE Joint Policy Statement on decommissioning activities.

I. Work performed during the reporting period (including summaries of findings and any deviations from the work plan) for the C-410/420 Complex:

- Received Kentucky approval on the D1 RAWP Addendum on April 9, 2010. Received comments from EPA on March 24, 2010.
- Submitted the D2 RAWP Addendum to EPA and Kentucky for review and comment on June 8, 2010. Received Kentucky approval on June 10, 2010, and verbal comments from EPA on June 18, 2010. Developing errata pages to respond to the verbal comments.
- Completed 95% of removal of small diameter instrument lines in the C-410/420 Complex.
- Completed demolition preparation of 19 of 60 zones, representing approximately 46,000 ft² of the approximately 200,000 ft² C-410 Complex.
- Completed stabilization, removal and packaging for disposal approximately 8,000 ft³ of the installed piping and equipment from the C-410 Complex during the reporting period. Approximately 47,000 ft³ of additional material requires removal for the building to be demolition ready.
- Completed 50% of removal of paper-insulated lead cable in Sector 3.
- Continued stabilization and removal of fluorine, hydrogen, and hydrogen fluoride systems.
- Authorized the turnover to USEC for reuse at PGDP 27 electrical components (large breakers, switches, etc.) that had been removed from the C-410 Complex.
- Completed removal of an estimated 30,000 pounds of copper bus work, which is being turned over to a private company for reuse.

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

- Resolve EPA verbal comments on the RAWP Addendum and submit D2/R1 for approval.
- Complete the partial demolition of the C-410 Complex, beginning on the eastern end, and demolish C-411 and Sector 4 (Zones 55-63).

- Complete removal of paper-insulated lead cable.
- Continue stabilization and removal of fluorine systems.
- Begin stabilization of uranium hexafluoride systems.
- Continue stabilization of hydrogen fluoride and hydrogen systems.
- Complete removal of prohibited items.
- Continue removal of the heating, ventilation, and air-conditioning system; uranium hexafluoride; uranium powder; vacuum; glycol; alcohol; and ammonia systems.

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

Responsibility for the day-to-day operations of D&D belongs to LATA Kentucky, as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center.

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. Use of American Recovery and Reinvestment Act (ARRA) funding will allow acceleration of DOE baseline schedules and SMP projected completion dates.

V. Primary/Secondary Document Tracking System:

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

- The D2 RAWP Addendum is under review.
- The D2/R1 RAWP Addendum for the C-410/420 Complex Demolition is under preparation.

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

EPA and Kentucky comments will be due 30 days after DOE submits the D2/R1 RAWP Addendum for the C-410/420 Complex Demolition.

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

The requirements and time schedules are being met. Use of ARRA funding will allow acceleration of DOE Baseline schedules and SMP projected completion dates.

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

- Provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, congressional staff, and D&D Tri-Party Working Group.
- Developed and issued media press releases for the ARRA-related work.

VIII. Changes in relevant personnel:

None.

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

None.

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

**D&D OPERABLE UNIT: C-746-A East End Smelter and
C-340 Metals Reduction Plant Complex**

The scope of this project includes demolition of the C-746-A East End Smelter and C-340 Uranium Metals Reduction Complex, using CERCLA removal actions implemented in accordance with the FFA and consistent with the 1995 EPA and DOE Joint Policy Statement on decommissioning activities.

I. Work performed during the reporting period (including summaries of findings and any deviations from the work plan) for the C-340 Complex and C-746-A East End Smelter:

- Held public comment period on the approved EE/CA; March 29 through April 27, 2010; received no comments.
- Submitted D2 Action Memorandum on May 6, 2010. Received EPA approval on May 17, 2010, and received Kentucky approval on May 18, 2010.
- Submitted D2 RAWP for East End Smelter on May 6, 2010. Received EPA comments on May 17, 2010, and Kentucky approval on May 18, 2010. Submitted D2/R1 replacement pages on May 28, 2010. Received D2/R1 EPA approval on June 8, 2010, and Kentucky confirmation of approval on August 31, 2010.
- Submitted D1 RAWP for C-340 Complex to EPA and Kentucky on July 30, 2010.
- Received Kentucky Comments on the C-340 D1 RAWP on August 30, 2010, and EPA comments on August 31, 2010.
- Initiated fieldwork for demolition of the East End Smelter on September 2, 2010.
- Provided draft comment response summaries for C-340 D1 RAWP comments to the agencies on September 21, 2010; working to schedule a comment resolution meeting.
- Submitted notification of 30-day schedule extension for C-340 D2 RAWP to the EPA and Kentucky on September 29, 2010.
- Completed the East End Smelter Demolition on September 17, 2010.

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

- Conduct a comment resolution meeting for comments on the D1 RAWP for C-340 Complex.
- Develop and submit D2 RAWP for C-340 Complex.
- Develop Removal Action Report (RAR) for East End Smelter.

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

Responsibility for the day-to-day operations of D&D belongs to LATA Kentucky, as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center.

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. Use of ARRA funding will allow acceleration of DOE baseline schedules and SMP projected completion dates.

V. Primary/Secondary Document Tracking System:

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

Under review or review completed by regulatory agencies:

- Draft Comment response summaries for C-340 D1 RAWP are under review at this time.
- EPA and Kentucky completed reviews of the AM, C-746-A East End Smelter D2 RAWP and D2/R1 RAWP, and C-340-D1 RAWP.

Under development by DOE:

- C-340 D2 RAWP is under development.
- D1 RAR for East End Smelter is under development.

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

EPA and Kentucky Comments are due 30 days after DOE submits the C-340 D2 RAWP and D1 RAR for East End Smelter.

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

The requirements and time schedules are being met. Use of ARRA funding will allow acceleration of DOE Baseline schedules and SMP projected completion dates. DOE and their contractors will continue to coordinate closely with the EPA and Kentucky to achieve the schedules for the ARRA Projects.

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

- Provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, Congressional staff, and D&D Tri-Party Working Group.
- Developed and issued media press releases for the ARRA-related work.

VIII. Changes in relevant personnel:

None.

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

None.

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

COMPREHENSIVE SITE OPERABLE UNIT

There were no reportable activities for the Comprehensive Site Operable Unit during this reporting period.

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

ADDITIONAL REPORTING

Presented in this section are updates for WAGs 1 and 7 (C-746-K Landfill, TCE Spill Sites, Underground Storage Tanks, and Kentucky Ordnance Works sites), the Community Relations Plan (CRP), the SMP, and CERCLA Waste Disposal Alternatives Evaluation.

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**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

**PROJECT: WAGs 1 and 7 (C-746-K Landfill, TCE Spill Sites,
Underground Storage Tanks, and Kentucky Ordnance Works Sites)**

I. Work performed during the reporting period (including 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 *Record of Decision for Waste Area Groups 1 and 7 at PGDP, Paducah, Kentucky* (DOE/OR/06-1470&D3). WAGs 1 and 7 ROD requires this data to be submitted semiannually. The results of the groundwater monitoring for the October 1, 2009, through March 31, 2010, reporting period, which were unavailable in April 2010, have been included as part of this report.

The results of the groundwater monitoring for the April 1, 2010, through September 30, 2010, reporting period are unavailable at this time and will be included in the April 2011 report.

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 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 Discharge Elimination System Permit.

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

Responsibility for the day-to-day operations of WAGs 1 and 7 belongs to LATA Kentucky, as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky also provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center.

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.

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:

None.

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

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

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

PROJECT: Community Relations Plan

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

DOE received approval of the CRP from Kentucky on January 5, 2010. EPA indicated that they did not have any comments on the document via e-mail correspondence on April 19, 2010. Final document is pending official approval letter from EPA.

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

Obtain final EPA approval of Revision 6 of the CRP.

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

Responsibility for the maintenance of the CRP belongs to LATA Kentucky, as the DOE prime remediation contractor at PGDP. SST manages the Administrative Record and the Environmental Information Center.

The FFA parties have agreed to revise and submit the CRP for review and approval on a bi-annual basis (i.e., status of major projects in Chapter 2, Appendix A – Key Contacts for the PGDP, Appendix B – Public Involvement History). Biennial submittal of the CRP will begin in January of 2012 and occur every even year thereafter.

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:

Revision 6 of the CRP has been under EPA review and approval during this reporting period.

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

- Revision 6 of the CRP was submitted to EPA and Kentucky for review and comment on December 3, 2009.
- DOE received approval of the CRP from Kentucky on January 5, 2010.

- EPA indicated that they did not have any comments on the document via e-mail correspondence on April 19, 2010. Final document is pending official approval letter from EPA.

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:

DOE provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, and congressional staff.

VIII. Changes in relevant personnel:

None.

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

Not applicable.

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

PROJECT: Site Management Plan

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

- The FY 2010 D2 SMP was issued to EPA and Kentucky on April 13, 2010, for final comments and/or approval.
- Received approval of the FY 2010 D2 SMP from EPA on April 19, 2010. Kentucky requested a 45-day extension from May 19, 2010, to July 3, 2010, to allow for a meeting with DOE and Kentucky senior managers to discuss key issues associated with the CERCLA Waste Disposal Alternatives Evaluation. Approval of the FY 2010 D2 SMP was received from Kentucky on June 25, 2010.
- During this review period, the FY 2011 SMP was under development. The FFA managers held scoping meetings on June 30-July 1, 2010, August 18, 2010, and September 22, 2010. Scoping meetings included discussions on budget target funding and project prioritization/resequencing.

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

DOE should complete development of the FY 2011 D1 SMP and transmit to EPA and Kentucky by November 15, 2010, for review and approval.

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

Responsibility for the maintenance of the SMP belongs to LATA Kentucky, as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center.

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

FFA Section XVIII requires submittal of the SMP by November 15 of each year.

V. Primary/Secondary Document Tracking System:

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

- The D2 FY 2010 SMP has been under development and EPA and Kentucky review during this reporting period.

- The D1 FY 2011 SMP has been under development during this reporting period.

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

- D1 FY 2011 SMP is due to EPA and Kentucky no later than November 15, 2010.
- Comments on the D1 FY 2011 SMP are due to DOE within 30 days from the document's being issued or December 15, 2010.
- D2 FY 2011 SMP, if required, is due within 15-days of receipt of regulatory comments on the D1 SMP.

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

During the scoping of the FY 2011 SMP, DOE notified EPA and Kentucky of its receipt of target funding level guidance from DOE-Headquarters and its subsequent assessment of the fiscal year (FY) + 2 (FY 2012) target funding guidance impacts for the Paducah Site. DOE communicated that the funding targets for the Paducah Site would not allow for the completion of the expected remediation activities with the current workforce or the achievement of the full set of enforceable compliance milestones for FY 2012 reflected in the D2 *Site Management Plan FY 2010*. DOE also communicated that the funding at the current targets will impact the outyear planning and enforceable milestone dates. While DOE has been working closely with EPA and Kentucky to define further which projects can be resequenced, optimizing resources and utilizing a risk-based approach to ensure timely environmental clean-up and workforce stability, both EPA and Kentucky have expressed concerns with regard to the overall cleanup progress at the Paducah site under these funding scenarios. In particular, EPA and Kentucky have expressed concerns about DOE's commitment to the current outyear enforceable milestones and DOE's willingness to enter into new enforceable milestones within the FY – FY+2 window. EPA and Kentucky have requested additional information from DOE-Headquarters concerning Paducah's funding. EPA and Kentucky also have notified DOE of potential delays in the review and approval of the SMP as a result of these funding issues, along with the possibility of these issues leading to dispute.

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

DOE provided routine updates on the subproject to the Paducah Site CAB, FFA managers, local elected officials, and congressional staff.

VIII. Changes in relevant personnel:

None.

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

Not applicable.

**FEDERAL FACILITY AGREEMENT
SEMIANNUAL REPORT
SECOND HALF OF FISCAL YEAR 2010**

**Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/01/2010-9/30/2010**

PROJECT: CERCLA Waste Disposal Alternatives Evaluation

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

- EPA approved the D2 RI/FS Work Plan, Kentucky issued a letter of conditional concurrence on the Work Plan. Parties held conference calls to resolve the comments from the conditional concurrence letter.
- Issued the D2/R1 RI/FS Work Plan on September 27, 2010.

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

A third public-involvement meeting will be held during the next reporting period to inform the local community on the progress and to solicit input for the waste disposal evaluation. The D2/R1 CERCLA Waste Evaluation RI/FS Work Plan should be approved by EPA and Kentucky. The D1 RI/FS Report will be prepared for submittal to Kentucky and EPA for review in the next reporting period.

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

Responsibility for the CERCLA waste disposal evaluation belongs to LATA Kentucky, as the DOE prime remediation contractor at PGDP. In addition, LATA Kentucky provides programmatic and technical support, analytical services, and business management. SST manages the Administrative Record and the Environmental Information Center.

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

Following submittal of the RI/FS Work Plan, the standard FFA review and comment periods for primary documents are expected to apply. A 30-day extension request was submitted by DOE for submittal of the D2 RI/FS Work Plan.

V. Primary/Secondary Document Tracking System:

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

- D2 RI/FS Work Plan conditional concurrence comments provided by Kentucky were incorporated into a comment response summary, and several teleconferences were held to discuss/resolve the comments.
- D1 RI/FS Report currently is being developed.

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

Comments are due from EPA and Kentucky on the D2/R1 RI/FS Work Plan on October 27, 2010.

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

There are no FFA dates that are being impacted.

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

CAB briefings occur regularly during monthly meetings and working sessions through the various stages of the project. DOE conducted a tour of the candidate CERCLA Cell sites for CAB members on September 10, 2010. As part of the RI/FS activities, DOE conducted meetings and teleconferences with Kentucky and EPA during this period to discuss the D2 RI/FS Work Plan and issues associated with the design/construction of a potential on-site facility and the preliminary waste acceptance criteria.

During this period, DOE coordinated site visits to the Environmental Management Waste Management Facility in Oak Ridge, TN, with members of CAB, as well as elected officials and leaders. During this visit, the group met with local representatives from DOE, state regulatory agencies, and the Site-Specific Advisory Board.

VIII. Changes in relevant personnel:

None.

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

Not applicable.

APPENDIX A

**NORTHEAST AND NORTHWEST PLUME
WATER WITHDRAWAL REPORTS**

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**Table A.1. Northeast Plume Containment System
Water Withdrawal Reporting Form (gal of water pumped)**

Day	April 2010	May 2010	June 2010	July 2010	August 2010	September 2010
1	256,250	261,233	276,500	254,900	0	257,200
2	256,250	261,233	260,700	269,000	4,600	253,000
3	256,250	256,600	266,600	269,000	232,900	260,200
4	256,250	252,800	266,300	269,000	251,300	260,200
5	269,400	263,100	266,300	269,000	278,500	260,200
6	245,500	271,000	266,300	269,000	267,533	260,200
7	255,000	247,267	276,600	256,200	267,533	260,400
8	257,300	247,267	253,300	275,200	267,533	249,600
9	262,367	247,267	268,700	266,967	240,100	260,300
10	262,367	268,100	261,500	266,967	278,600	259,000
11	262,367	251,600	265,667	266,967	269,100	259,000
12	256,300	261,100	265,667	269,300	123,500	259,000
13	257,400	264,900	265,667	267,900	262,300	221,400
14	251,400	261,100	271,200	262,900	262,300	254,600
15	268,600	261,100	95,900	253,400	262,300	239,100
16	258,700	261,100	291,700	271,567	265,100	234,000
17	258,700	265,700	229,500	271,567	265,700	144,733
18	258,700	261,700	259,967	271,567	269,100	144,733
19	268,600	261,800	259,967	253,900	267,400	144,733
20	253,800	265,400	259,967	271,700	267,800	135,400
21	247,800	260,067	260,300	263,400	267,800	240,900
22	211,500	260,067	272,200	247,300	267,800	270,600
23	182,900	260,067	251,800	268,033	278,800	256,400
24	182,900	254,700	254,100	268,033	265,700	224,167
25	182,900	269,800	268,667	268,033	250,200	224,167
26	253,700	264,500	268,667	290,200	279,800	224,167
27	258,100	273,400	268,667	244,200	144,400	96,900
28	261,900	263,850	276,800	257,500	144,400	273,900
29	210,600	263,850	258,200	270,500	144,400	256,900
30	261,233	263,850	270,700	108,600	270,200	249,400
31	na	263,850	na	108,600	244,800	na
Monthly Total	7,425,033	8,089,367	7,778,100	7,920,499	7,161,500	6,934,500
*Daily Average	247,501	260,947	259,270	255,500	238,717	231,150
Days water pumped	30	31	30	31	30	30

na = Date not applicable for this month.

*Value based on number of days water was pumped.

Note: Each extraction well has a flow totalizer. To get the number of gal pumped each day, a flow totalizer reading is taken between 0700 and 1000 hours every working day that the system is operational. The difference between the flow totalizer reading one day and the flow totalizer reading the next day is recorded as the gal of water pumped on the first day (i.e., The flow totalizer reading taken on a Monday at 0800 hrs is subtracted from the flow totalizer reading taken on a Tuesday at 1000 hrs; the difference represents the amount of water reported being pumped on that Monday). On nonworking days (i.e., weekends, holidays), no reading is taken. The reading taken one day and the reading taken the next operational day then are averaged for the number of days between readings (i.e., A reading is taken at 0700 hours on Friday and then at 0800 hours on Monday—the number of gal of water pumped recorded would be the same for Friday, Saturday, and Sunday).

**Table A.2. Northwest Plume Groundwater System
Water Withdrawal Reporting Form**

Day	April 2010	May 2010	June 2010	July 2010	August 2010	September 2010
1	315,123	297,313	375,890	303,110	0	114,970
2	315,123	297,313	313,260	310,446	310,550	311,520
3	315,123	310,510	316,230	310,446	300,810	311,660
4	315,123	306,810	312,593	310,446	279,610	311,660
5	325,860	316,300	312,593	310,446	268,300	311,660
6	304,320	322,100	312,593	310,446	81,983	311,660
7	314,090	290,030	306,710	305,290	81,983	302,030
8	317,830	290,030	304,130	310,600	81,983	309,920
9	319,313	290,030	300,110	296,260	295,460	315,110
10	319,313	316,300	310,430	296,260	299,310	89,280
11	319,313	303,670	313,430	296,260	9,760	0
12	302,990	317,290	313,430	307,490	300	0
13	287,390	322,350	313,430	309,050	0	312,650
14	293,550	314,770	311,230	118,160	0	252,180
15	291,590	314,770	272,240	298,470	0	163,950
16	321,723	314,770	161,300	319,240	0	311,450
17	321,723	320,000	288,660	319,240	0	316,303
18	321,723	314,010	313,280	319,240	0	316,303
19	271,820	312,830	313,280	275,160	0	316,303
20	304,210	317,510	313,280	312,910	0	317,120
21	282,540	313,860	314,360	271,220	0	311,990
22	303,630	313,860	314,590	290,290	0	208,050
23	319,103	313,860	304,750	307,843	134,650	314,300
24	319,103	308,940	301,510	307,843	294,460	316,250
25	319,103	306,590	310,923	307,843	317,040	316,250
26	313,100	314,970	310,923	323,530	283,090	316,250
27	301,450	323,860	310,923	309,680	196,880	329,510
28	307,510	263,213	310,923	289,830	196,880	306,170
29	273,430	263,213	310,923	300,420	196,880	312,700
30	297,313	263,213	310,923	93,060	303,680	301,980
31	na	263,213	na	0	307,240	na
Monthly Total	9,233,533	9,437,497	9,176,060	8,740,530	4,240,850	8,029,180
*Daily Average	307,784	304,435	305,869	291,351	212,043	286,756
Days water pumped	30	31	30	30	20	28

na = Date not applicable for this month.

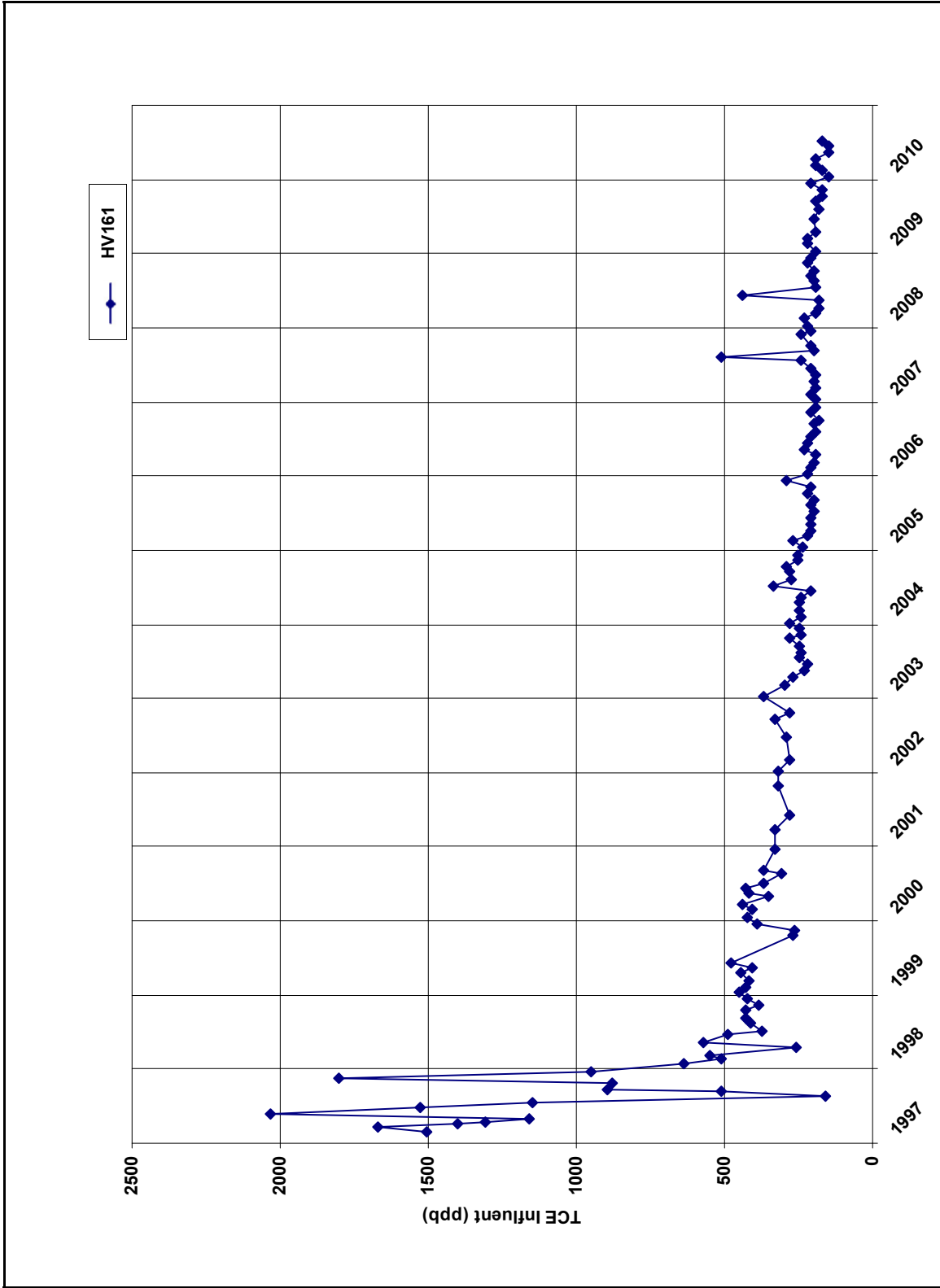
*Value based on number of days water was pumped.

Note: Each extraction well has a flow totalizer. To get the number of gal pumped each day, a flow totalizer reading is taken between 0700 and 1000 hours every working day that the system is operational. The difference between the flow totalizer reading one day and the flow totalizer reading the next day is recorded as the gal of water pumped on the first day (i.e., The flow totalizer reading taken on a Monday at 0800 hrs is subtracted from the flow totalizer reading taken on a Tuesday at 1000 hrs; the difference represents the amount of water reported being pumped on that Monday). On nonworking days (i.e., weekends, holidays), no reading is taken. The reading taken one day and the reading taken the next operational day then are averaged for the number of days between readings (i.e., A reading is taken at 0700 hours on Friday and then at 0800 hours on Monday—the number of gal of water pumped recorded would be the same for Friday, Saturday, and Sunday).

APPENDIX B

**NORTHEAST PLUME AND NORTHWEST PLUME GRAPHS AND MAPS
FIGURES B.1 THROUGH B.7**

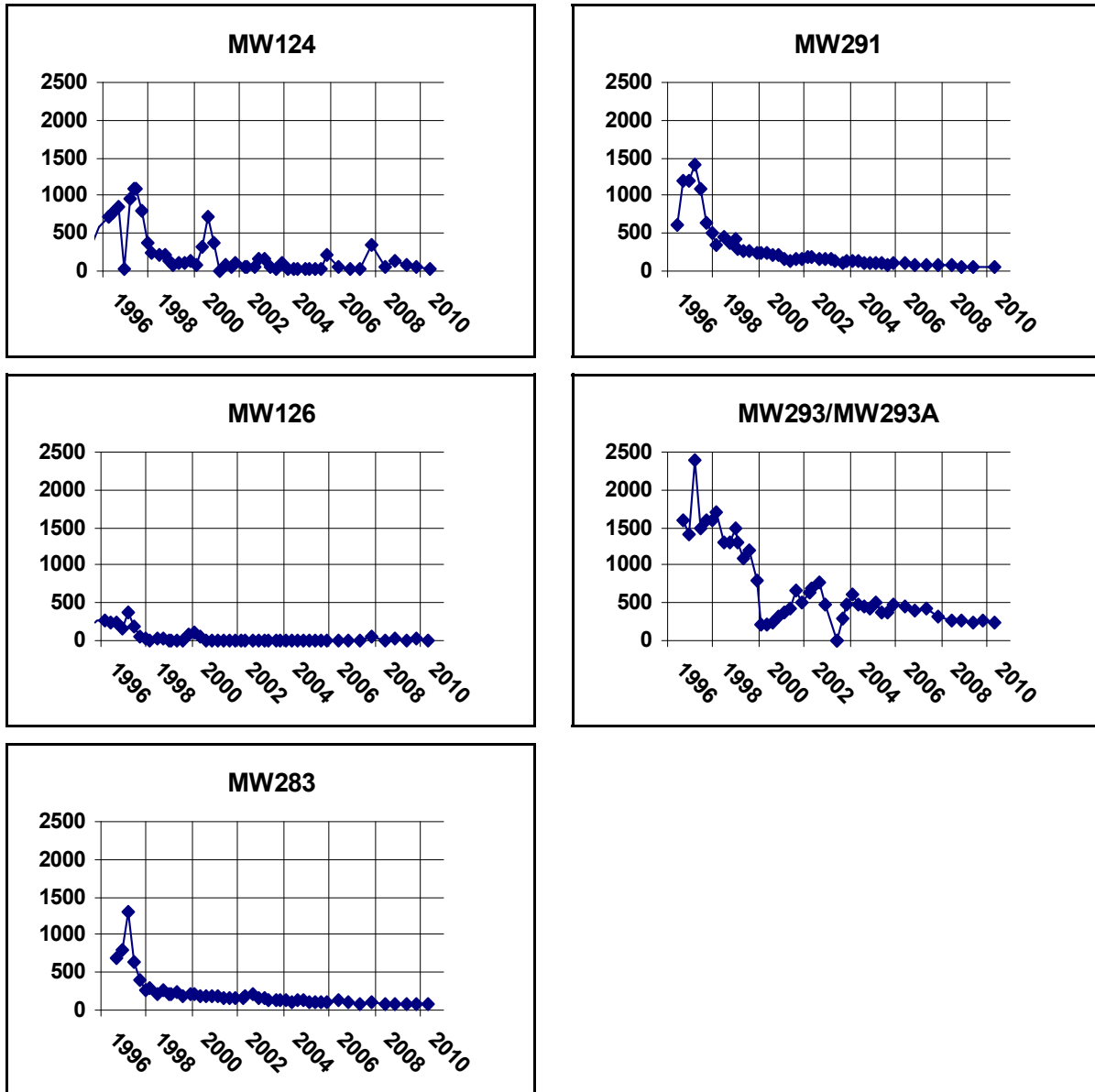
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NOTE: Data rejected by validation or assessment have not been graphed.

Figure D11. Northeast Plume Containment System Influent TCE Concentration

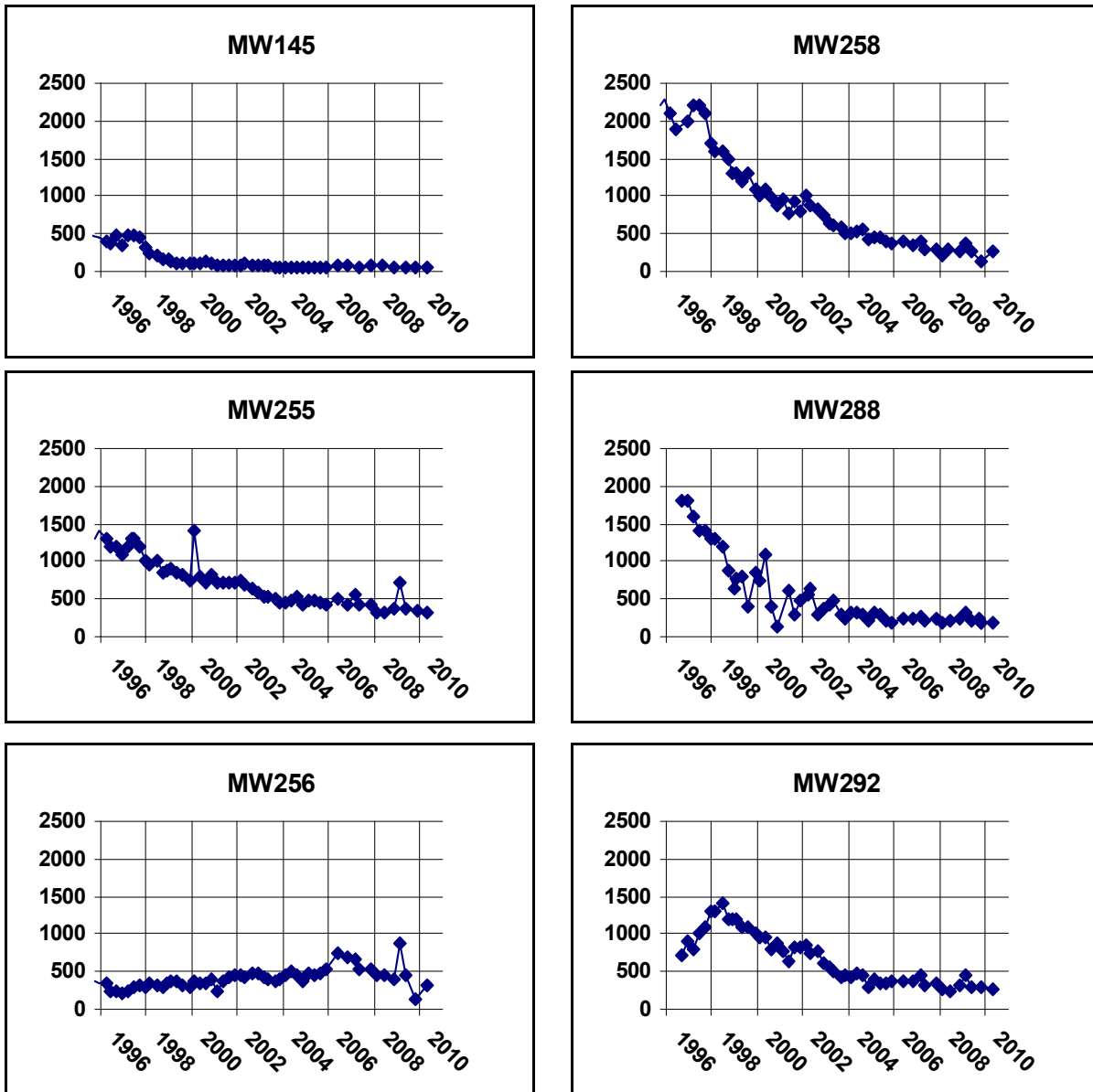
TCE (ppb)



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

Figure D02a. Northeast Plume—TCE Concentrations in Downgradient Wells

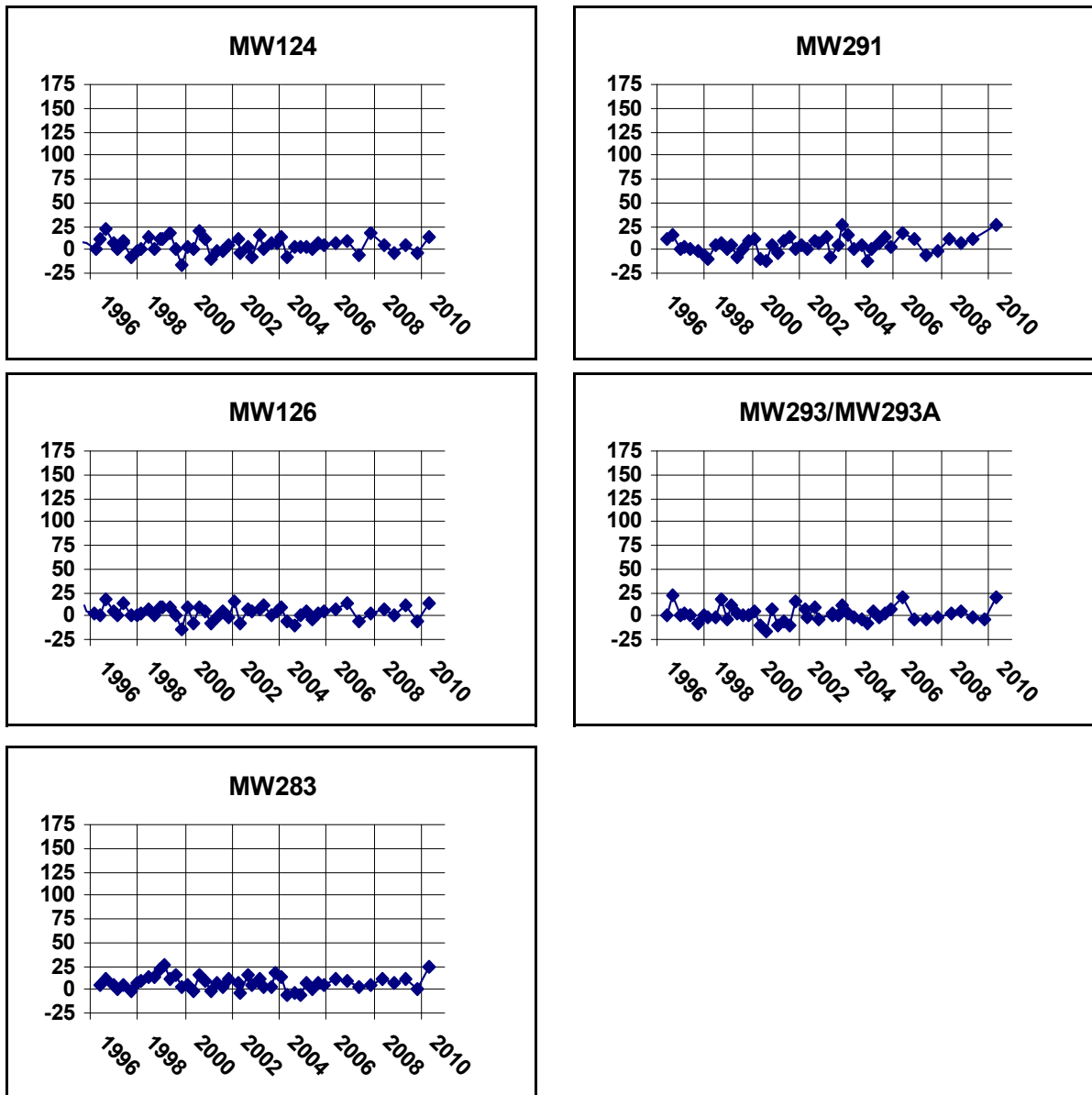
TCE (ppb)



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

Figure D2b. Northeast Plume—TCE Concentrations in Upgradient Wells

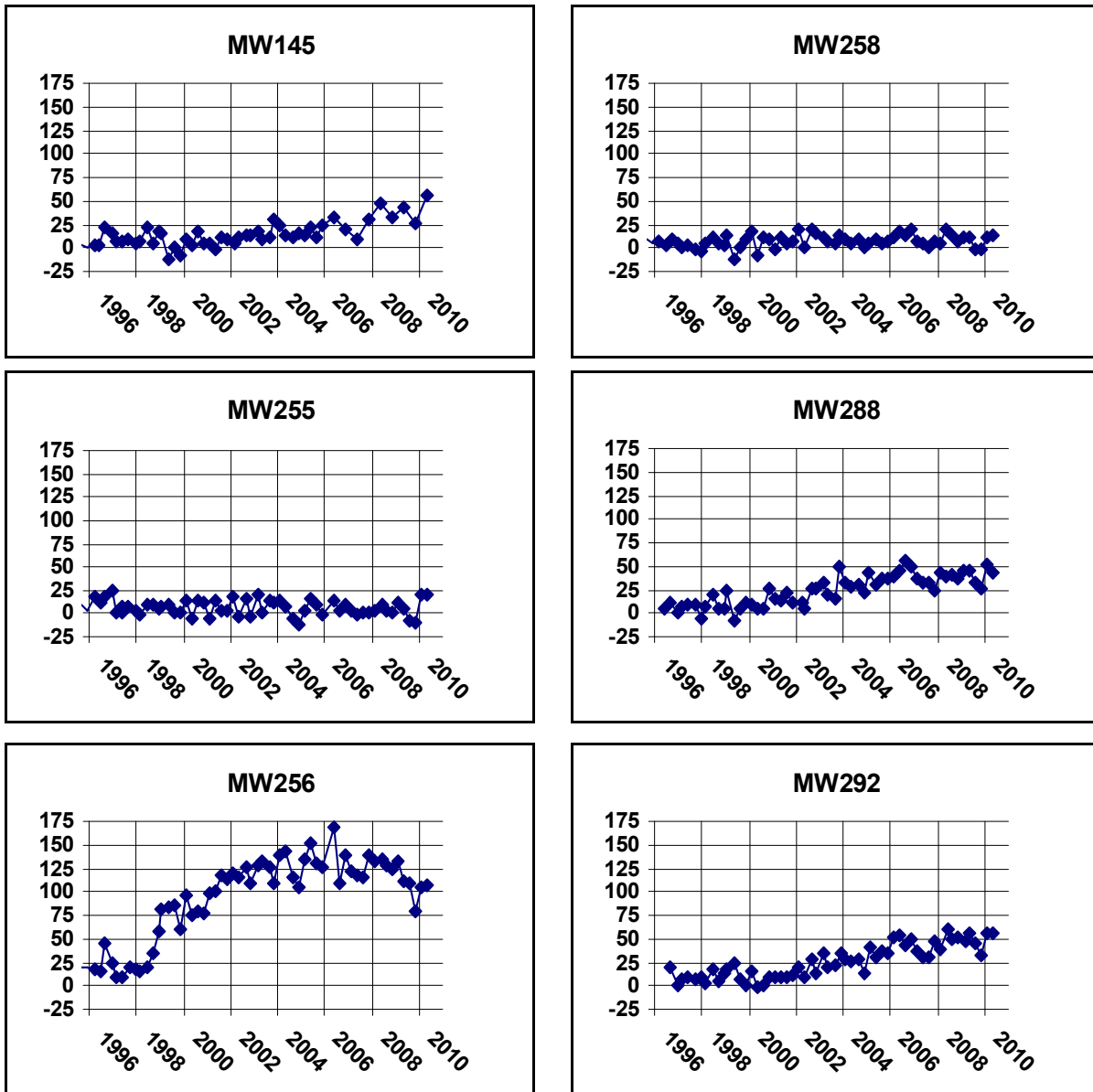
Tc-99 (pCi/L)



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

Figure D02c. Northeast Plume—Tc-99 Activities in Downgradient Wells

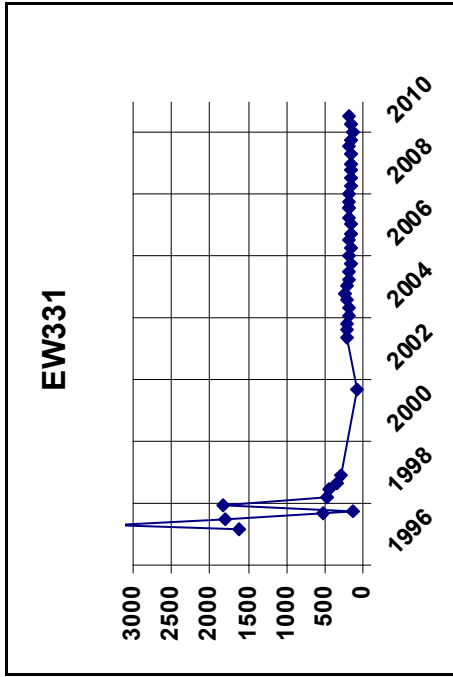
Tc-99 (pCi/L)



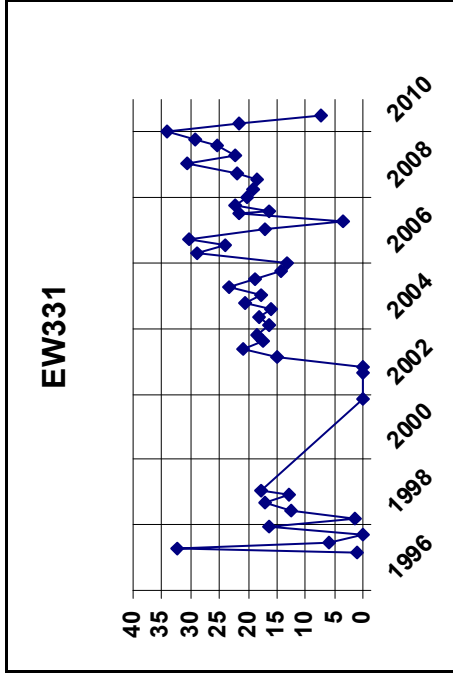
NOTE: Data rejected by validation or assessment have not been graphed.

Figure D0d. Northeast Plume—Tc-99 Activities in Upgradient Wells

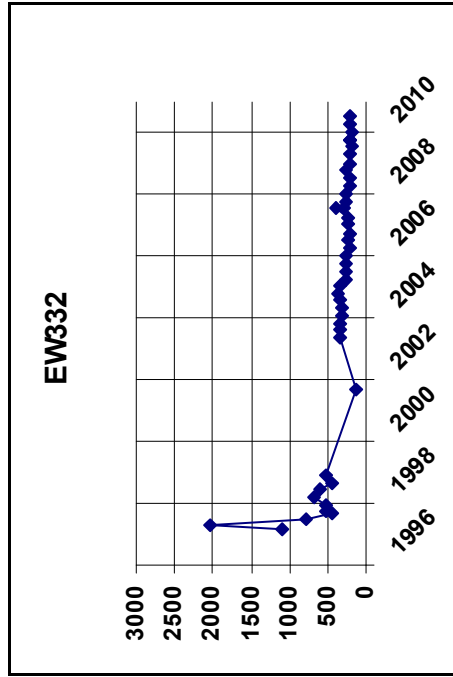
TCE (ppb)



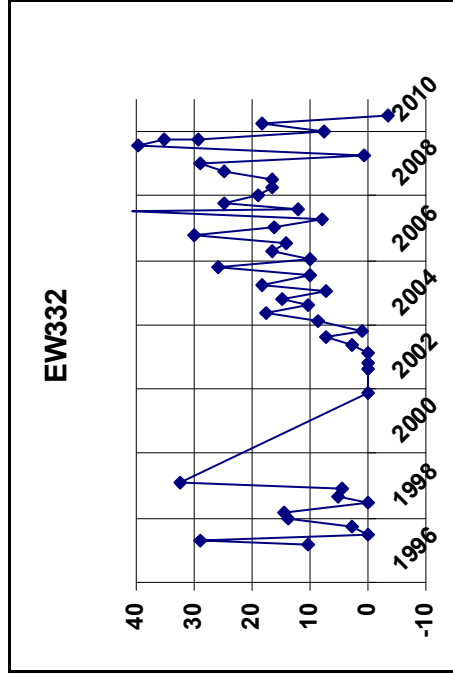
Tc-99 (pCi/L)



TCE (ppb)



Tc-99 (pCi/L)



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

Figure D02e. Northeast Plume—TCE Concentrations and Tc-99 Activities in Extraction Wells

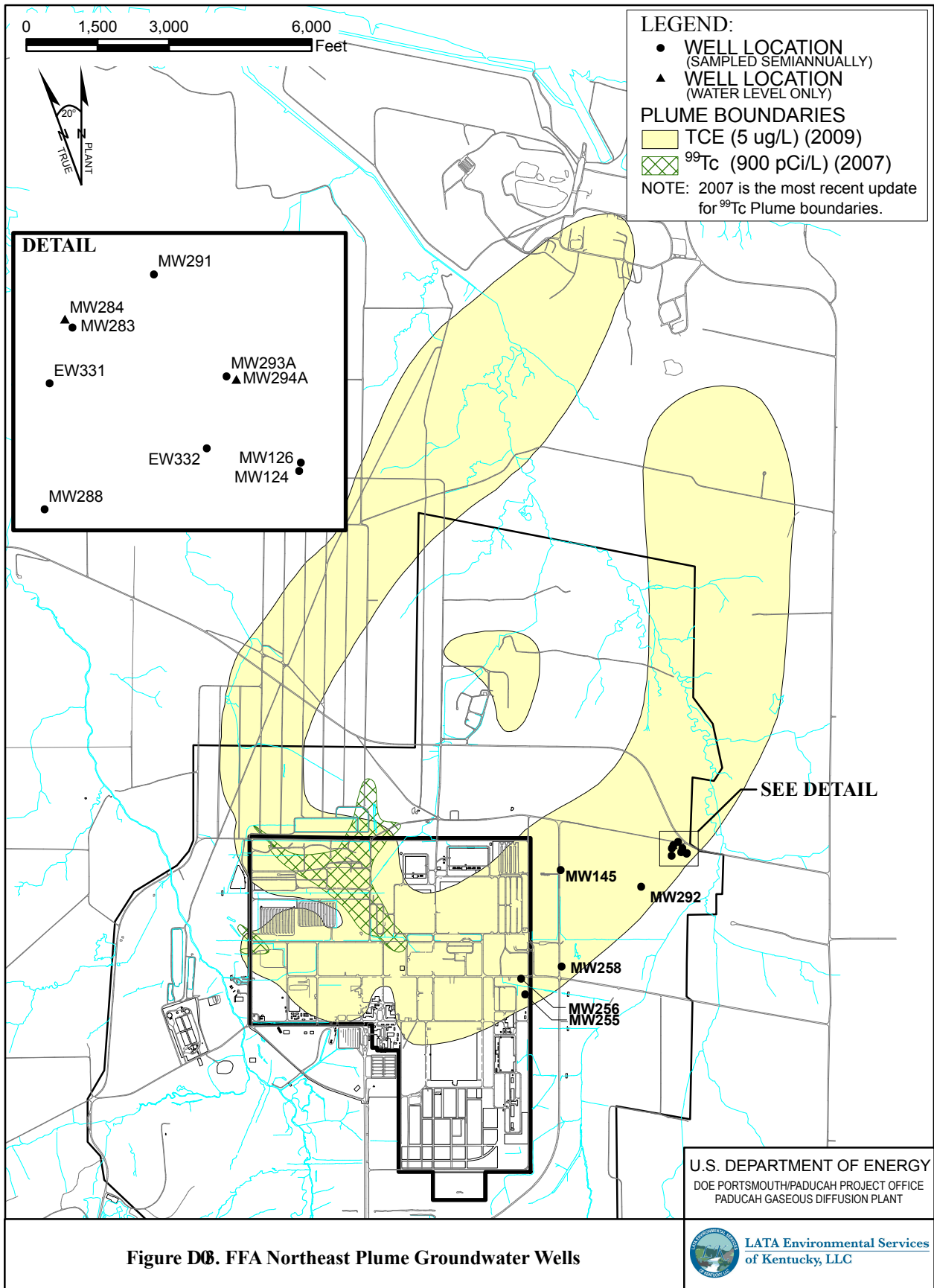
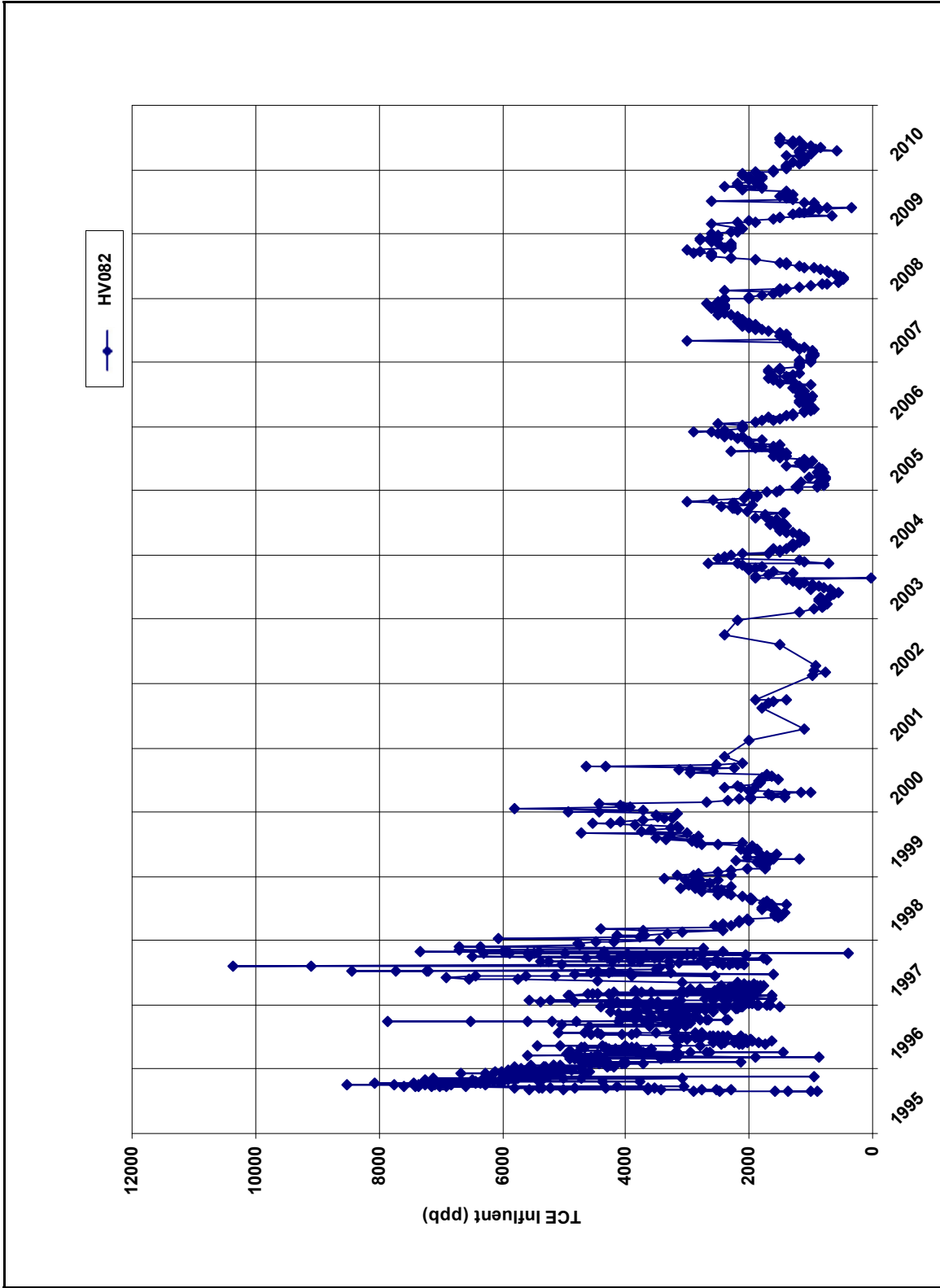
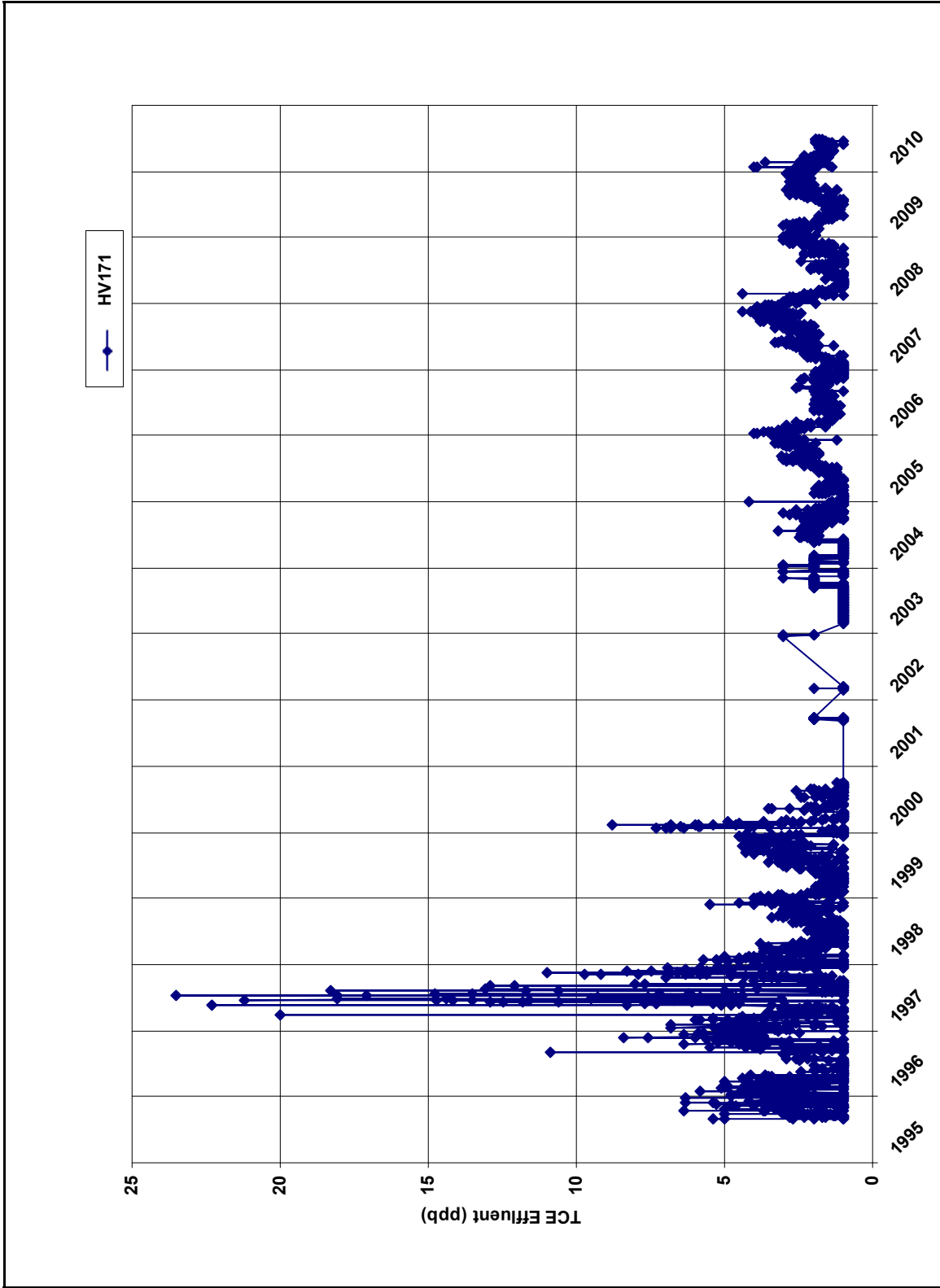


Figure D08. FFA Northeast Plume Groundwater Wells



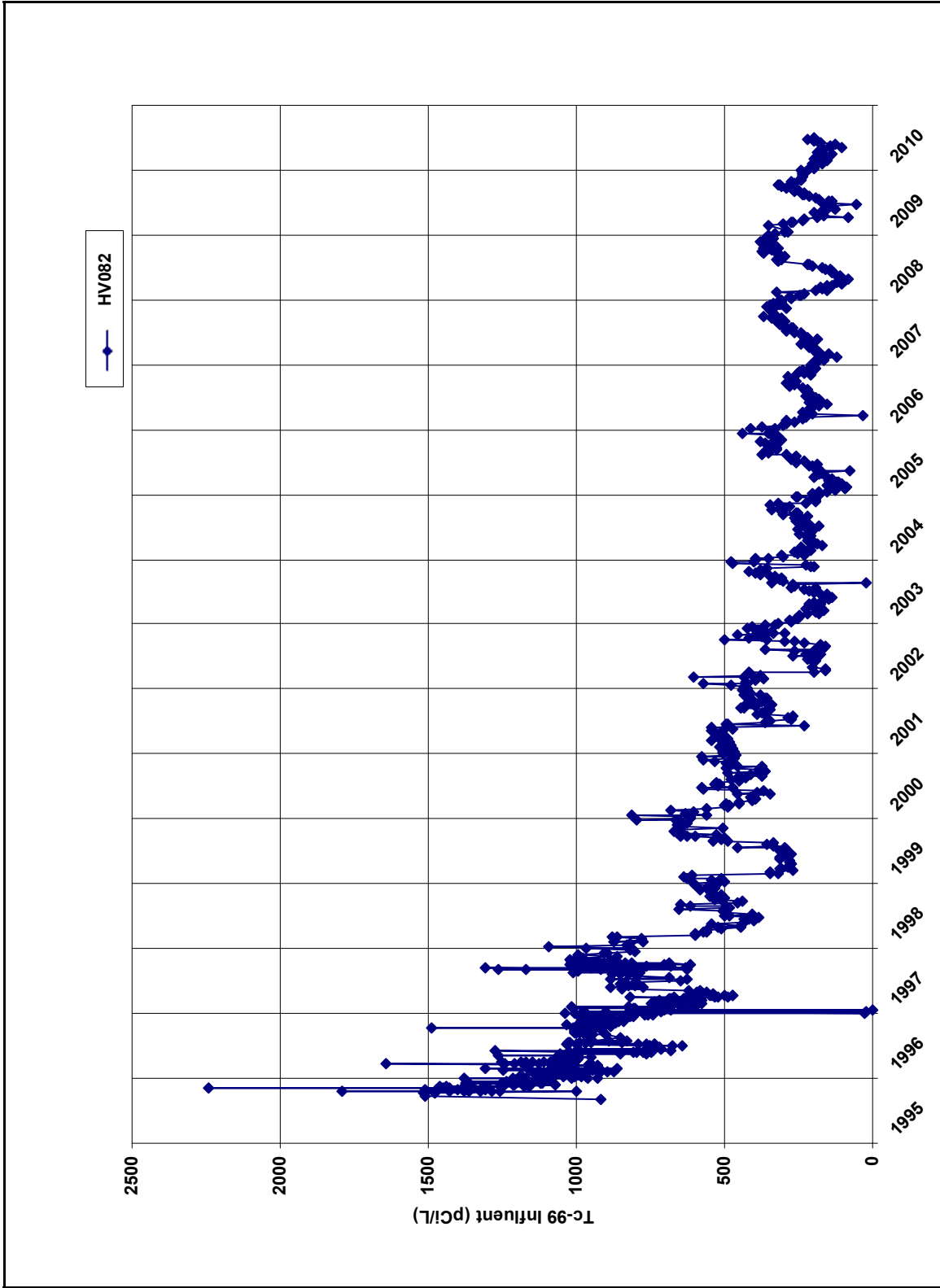
NOTE: Data rejected by validation or assessment have not been graphed.

Figure D00a. Northwest Plume Groundwater System Influent TCE Concentrations



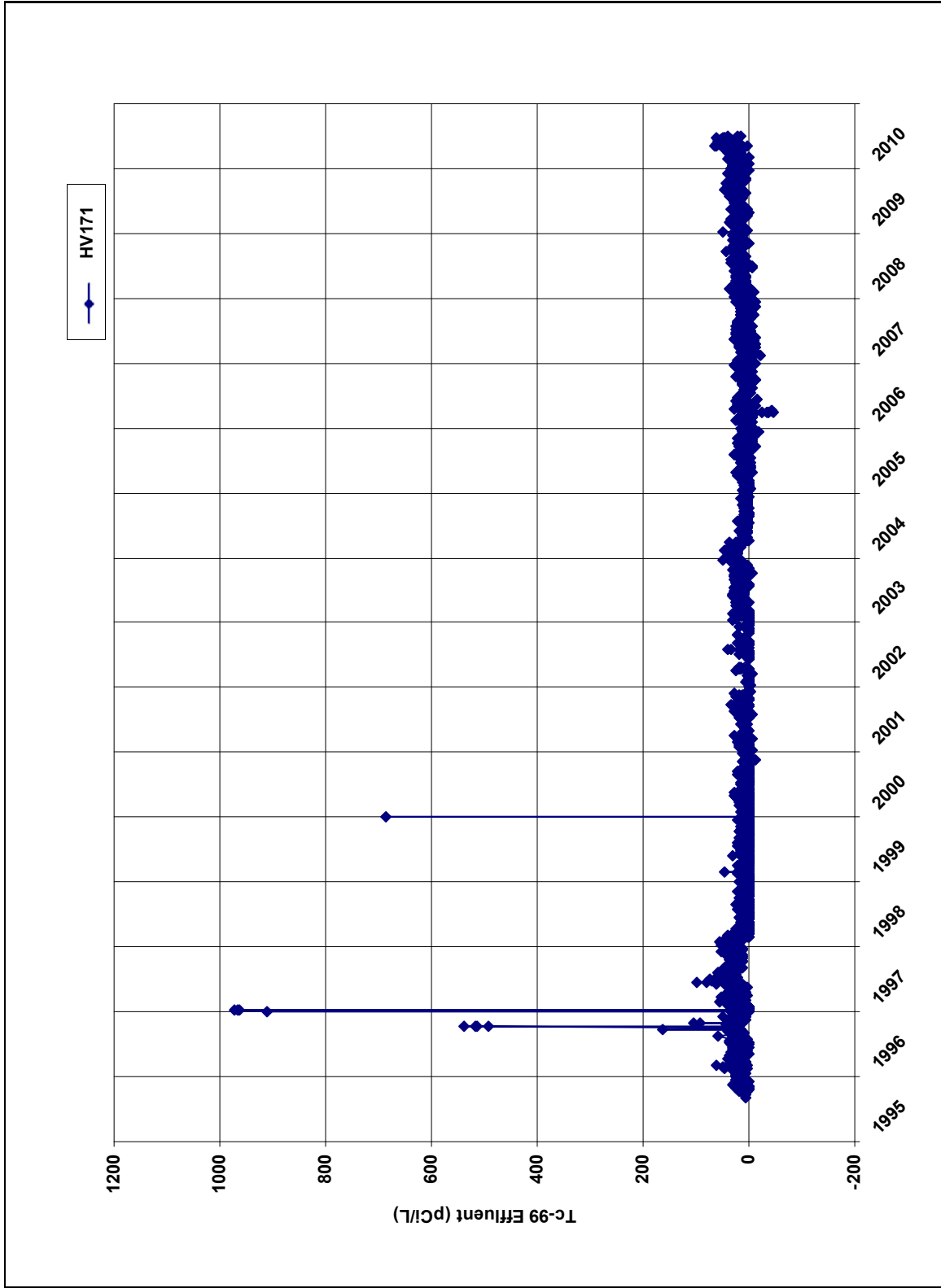
NOTE: Data rejected by validation or assessment have not been graphed.

Figure D00b. Northwest Plume Groundwater System Effluent TCE Concentrations



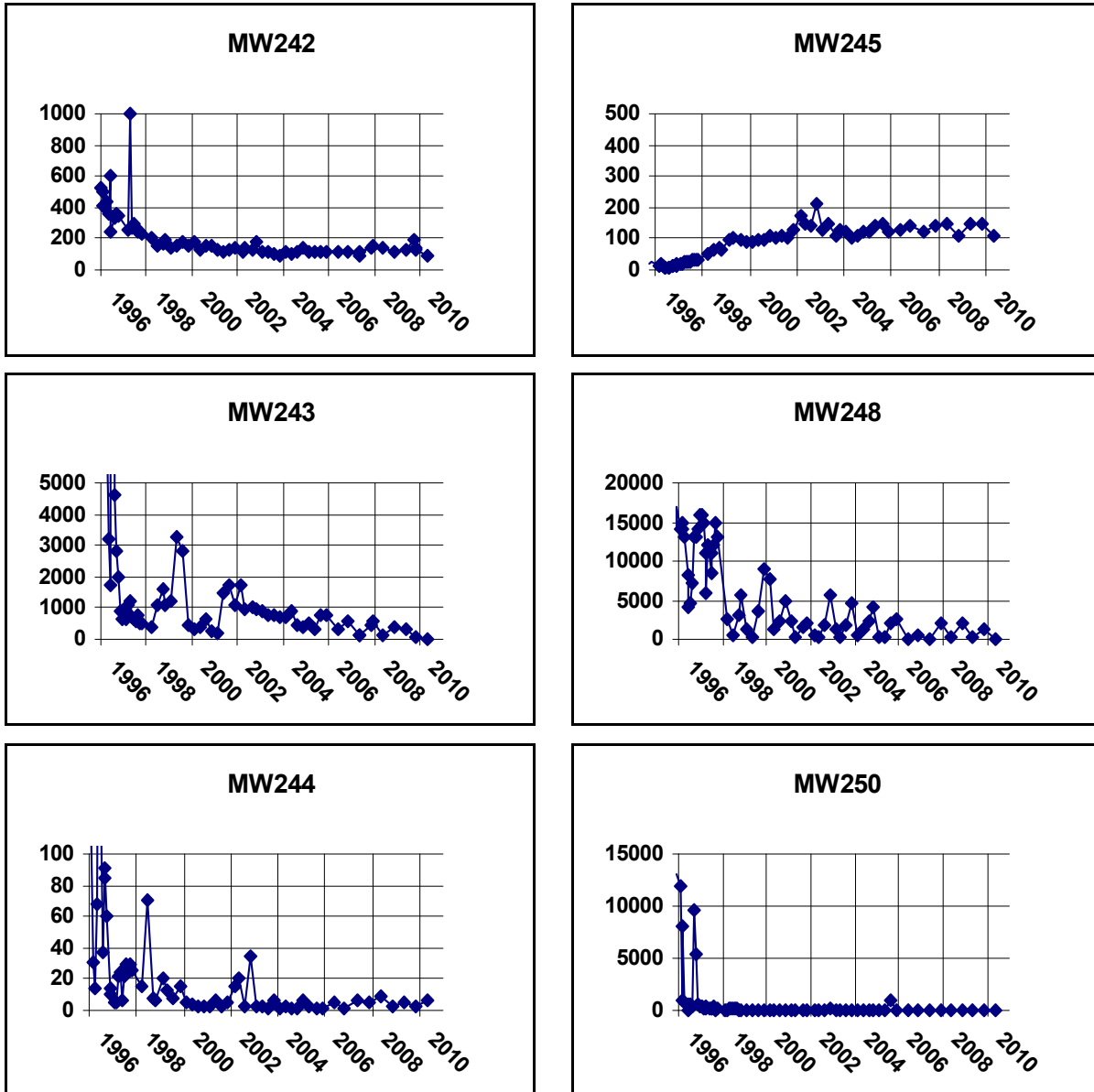
NOTE: Data rejected by validation or assessment have not been graphed.

Figure D05a. Northwest Plume Groundwater System Influent Tc-99 Activity



NOTE: Data rejected by validation or assessment have not been graphed.
Figure D6b. Northwest Plume Groundwater System Effluent Tc-99 Activity

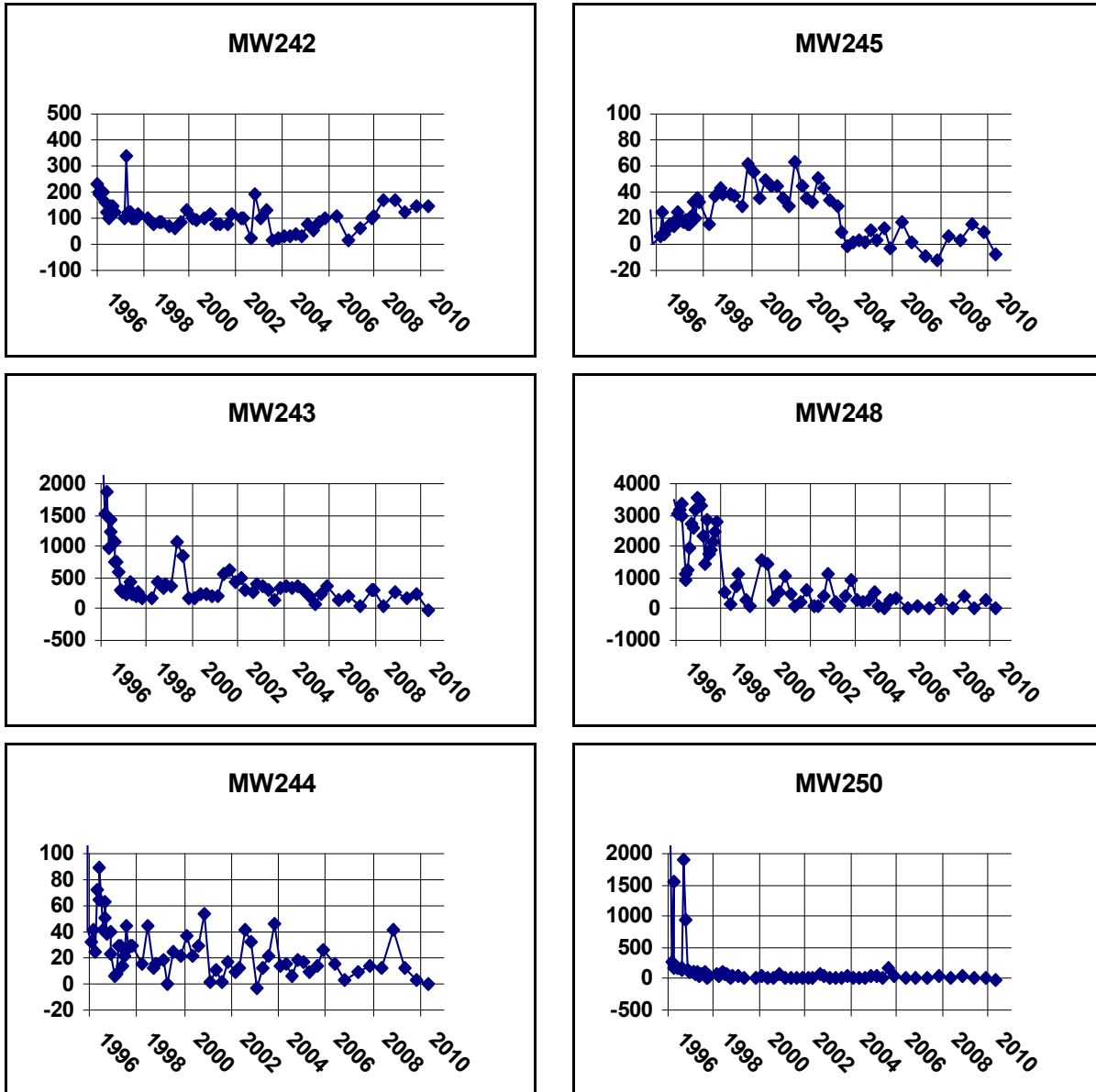
TCE (ppb)



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

Figure D06a. Northwest Plume—South Well Field TCE Concentrations

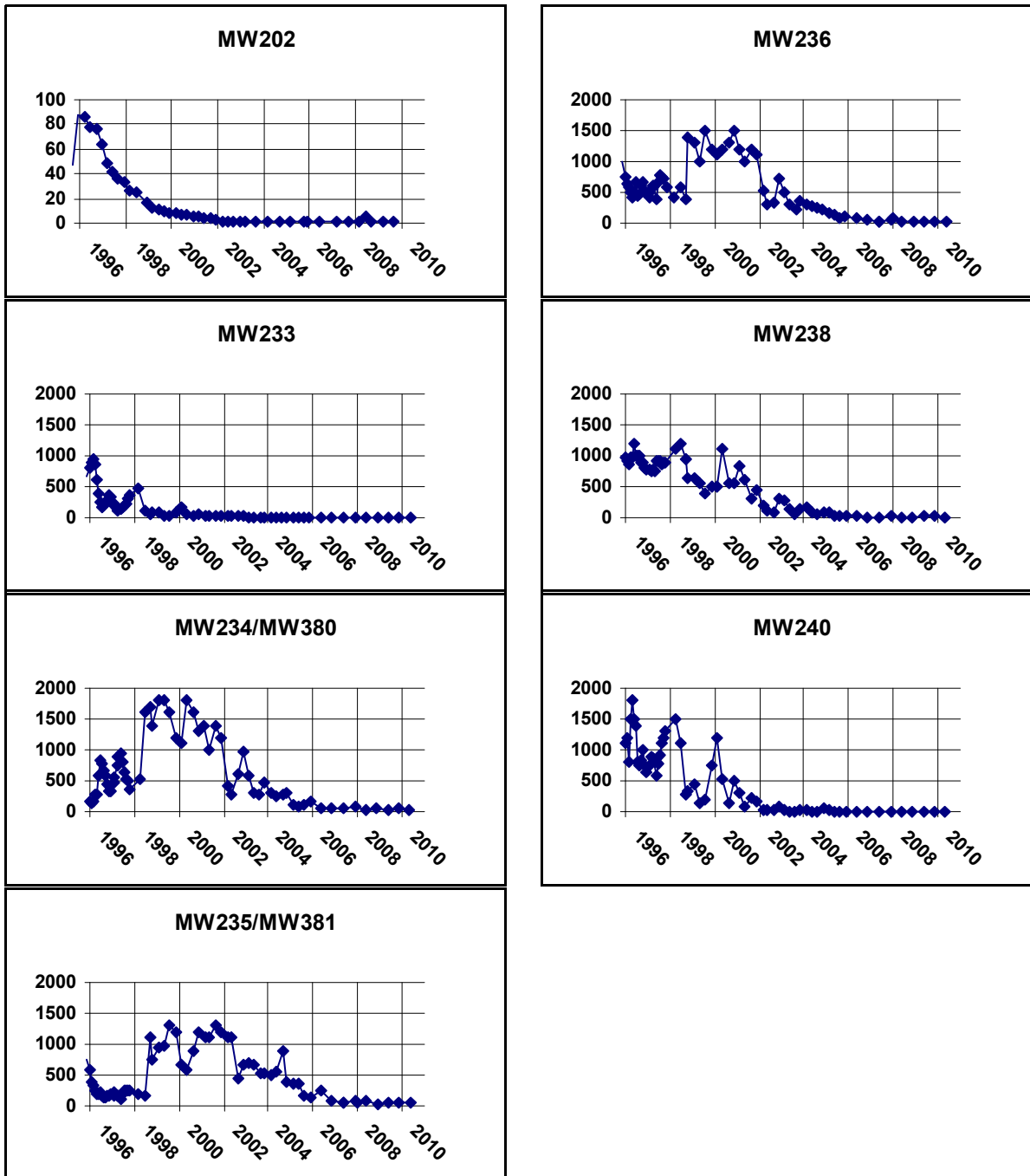
Tc-99 (pCi/L)



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

Figure D06b. Northwest Plume—South Well Field Tc-99 Activities

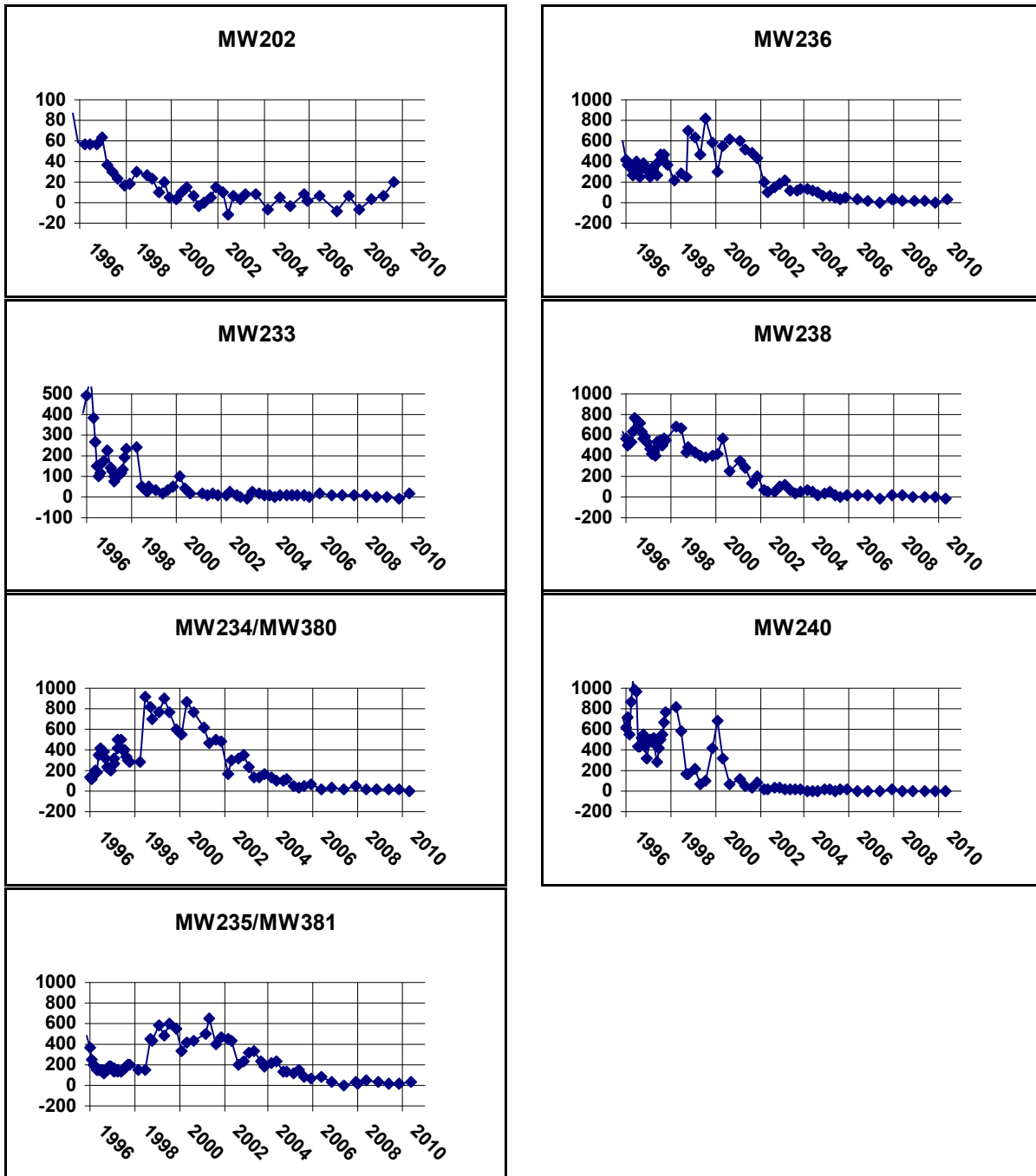
TCE (ppb)



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

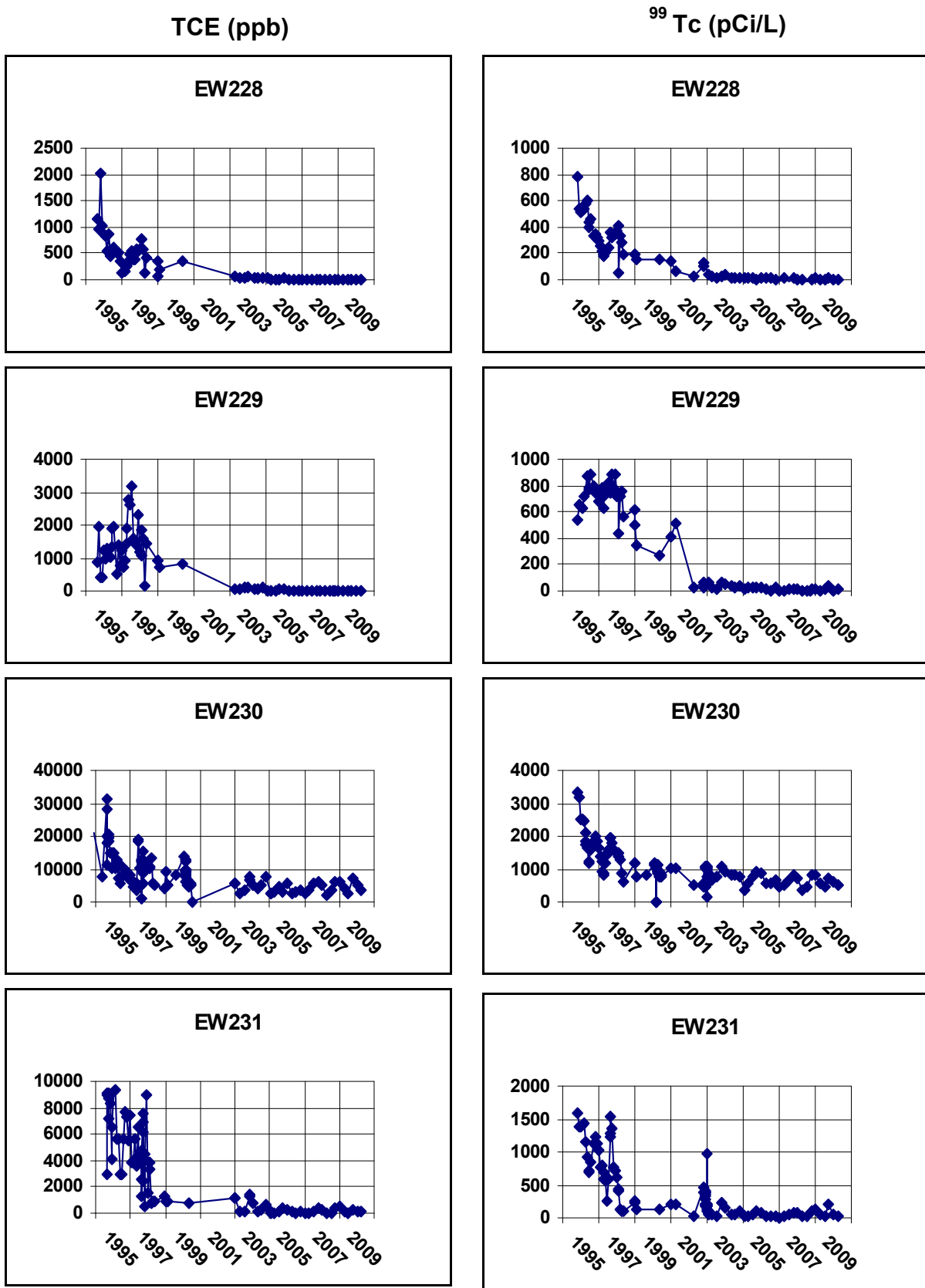
Figure D06c. Northwest Plume—North Well Field TCE Concentrations

Tc-99 (pCi/L)



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

Figure D06d. Northwest Plume—North Well Field Tc-99 Activities



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

Figure D06e. Northwest Plume—TCE Concentrations and Tc-99 Activities in Extraction Wells

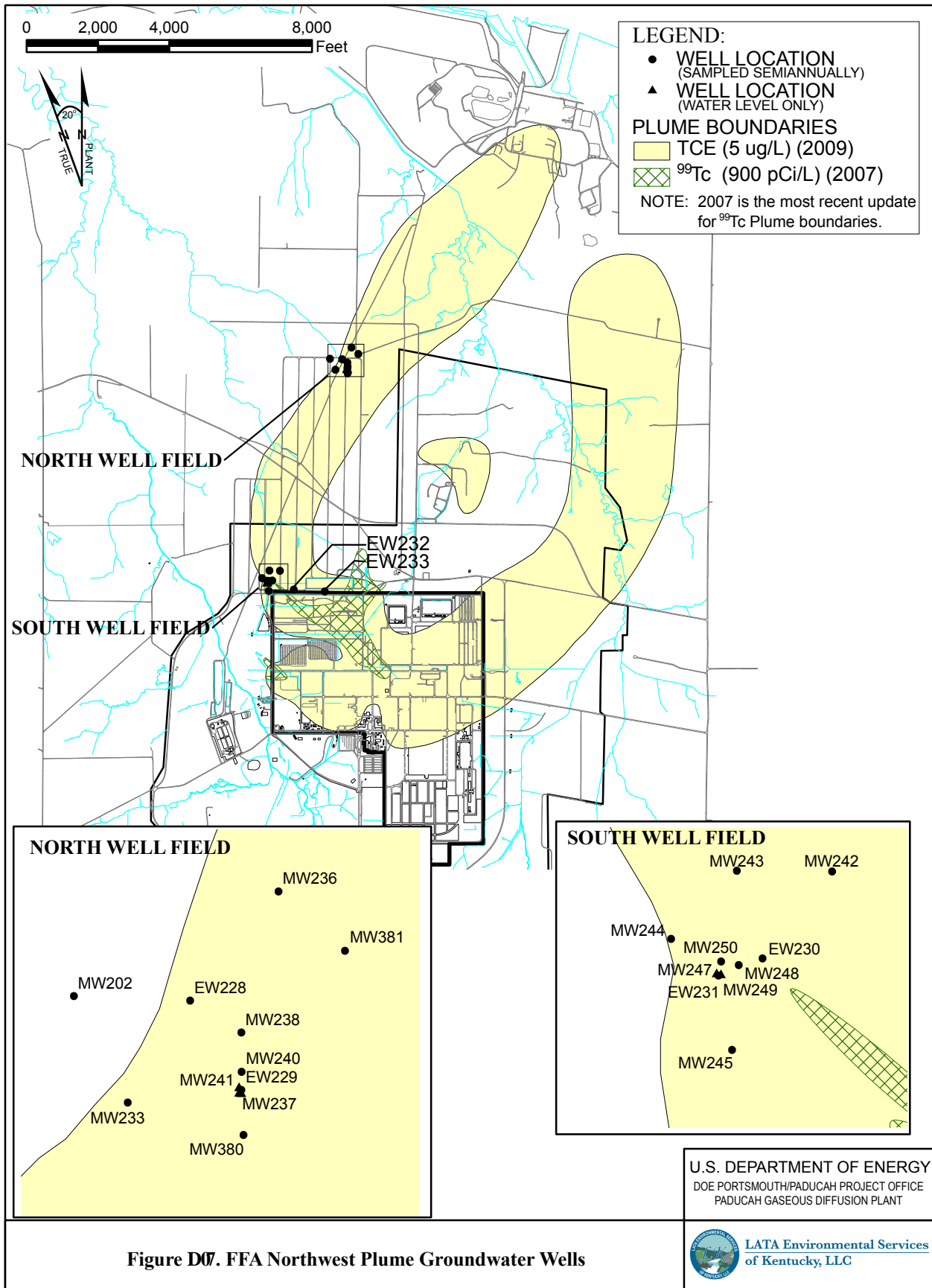


Figure D07. FFA Northwest Plume Groundwater Wells

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APPENDIX C

C-746-K LANDFILL DATA

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C-746-K Landfill groundwater data for reporting period 4/1/2010—9/30/2010 are not available at the time of preparation of this report. The data will be included in the next report.

C-746-K Landfill groundwater data for Reporting Period 10/01/2009—3/31/2010 has been included.

Paducah OREIS Report for KG10-01

MW300DKG1-10

from: MW300

on 10/19/2009

Media: WG

SmpMethod: GR

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	10		mg/L			2		SW846-9056	/ = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	810		mg/L			50		SW846-9056	IS / = /
FS									
Barometric Pressure Reading	30.18		Inches/Hg					FS	/ /
Conductivity	1650		umho/cm					FS	/ /
Depth to Water	4.9		ft					FS	/ /
Dissolved Oxygen	1.89		mg/L					FS	/ /
pH	4.91		Std Unit					FS	/ /
Redox	364		mV					FS	/ /
Temperature	67.1		deg F					FS	/ /
Turbidity	135		NTU					FS	/ /
METAL									
Aluminum	0.2		mg/L	U		0.2		SW846-6010B	/ = /
Arsenic	0.00238		mg/L			0.001		SW846-6020	/ = /
Barium	0.018		mg/L			0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	199		mg/L			1		SW846-6010B	/ = /
Iron	65		mg/L			0.1		SW846-6010B	l / = /
Iron (2+)	23		mg/L			5.5		SM-3500-Fe B 17	/ = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	41.1		mg/L			0.025		SW846-6010B	/ = /
Manganese	9.73		mg/L			0.05		SW846-6020	l / = /
Nickel	0.0255		mg/L	X		0.005		SW846-6020	S / J /
Potassium	19.1		mg/L			0.2		SW846-6010B	/ = /
Sodium	14.2		mg/L			1		SW846-6010B	/ = /
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
METAL-D									
Arsenic, Dissolved	0.00125		mg/L			0.001		SW846-6020	S / = /
Barium, Dissolved	0.0217		mg/L			0.005		SW846-6020	/ = /
Beryllium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Lead, Dissolved	0.0013		mg/L	UB		0.0013		SW846-6020	/ = /
Uranium, Dissolved	0.001		mg/L	UB		0.001		SW846-6020	/ = /
RADS									
Alpha activity	-2.41	0.946	pCi/L	U		14.6	0.993	SW846-9310	/ U /
Beta activity	27.1	2.73	pCi/L			11.5	3.4	SW846-9310	/ = /
Technetium-99	-8.19	12.3	pCi/L	U		19.4	12.3	RL-7100	/ U /
VOA									
1,1,1-Trichloroethane	2		ug/L	U		2		SW846-8260B	/ U /
1,1,2-Trichloroethane	2		ug/L	U		2		SW846-8260B	/ U /
1,1-Dichloroethane	24		ug/L	D		2		SW846-8260B	/ = /
1,1-Dichloroethene	41		ug/L	D		2		SW846-8260B	l / = /
1,2-Dichloroethane	2		ug/L	U		2		SW846-8260B	/ U /
Benzene	10		ug/L	U		10		SW846-8260B	/ U /
Bromodichloromethane	10		ug/L	U		10		SW846-8260B	/ U /
Carbon tetrachloride	2		ug/L	U		2		SW846-8260B	/ U /
Chloroform	10		ug/L	U		10		SW846-8260B	/ U /

Paducah OREIS Report for KG10-01

cis-1,2-Dichloroethene	290	ug/L	D	10	SW846-8260B	I / = /
Ethylbenzene	10	ug/L	U	10	SW846-8260B	/ U /
Tetrachloroethene	2	ug/L	U	2	SW846-8260B	/ U /
Toluene	10	ug/L	U	10	SW846-8260B	/ U /
Total Xylene	30	ug/L	U	30	SW846-8260B	/ U /
trans-1,2-Dichloroethene	2	ug/L	U	2	SW846-8260B	/ U /
Trichloroethene	9	ug/L	D	2	SW846-8260B	I / = /
Vinyl chloride	41	ug/L	D	4	SW846-8260B	I / = /
WETCHEM						
Alkalinity	61	mg/L		10	EPA-310.1	/ = /

Paducah OREIS Report for KG10-01

MW300KG1-10

from: MW300

on 10/19/2009

Media: WG

SmpMethod: GR

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	10		mg/L			2		SW846-9056	/ = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	830		mg/L			50		SW846-9056	IS / = /
FS									
Barometric Pressure Reading	30.18		Inches/Hg					FS	/ /
Conductivity	1650		umho/cm					FS	/ /
Depth to Water	4.9		ft					FS	/ /
Dissolved Oxygen	1.89		mg/L					FS	/ /
pH	4.91		Std Unit					FS	/ /
Redox	364		mV					FS	/ /
Temperature	67.1		deg F					FS	/ /
Turbidity	135		NTU					FS	/ /
METAL									
Aluminum	0.2		mg/L	U		0.2		SW846-6010B	/ = /
Arsenic	0.00183		mg/L			0.001		SW846-6020	/ = /
Barium	0.0201		mg/L			0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	232		mg/L			1		SW846-6010B	/ = /
Iron	36.9		mg/L			0.1		SW846-6010B	l / = /
Iron (2+)	28		mg/L			5.5		SM-3500-Fe B 17	/ = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	47.3		mg/L			0.025		SW846-6010B	/ = /
Manganese	11.2		mg/L			0.5		SW846-6020	l / = /
Nickel	0.0285		mg/L	X		0.005		SW846-6020	S / J /
Potassium	20.2		mg/L			0.2		SW846-6010B	/ = /
Sodium	16.3		mg/L			1		SW846-6010B	/ = /
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
METAL-D									
Arsenic, Dissolved	0.00142		mg/L			0.001		SW846-6020	S / = /
Barium, Dissolved	0.0224		mg/L			0.005		SW846-6020	/ = /
Beryllium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Lead, Dissolved	0.0013		mg/L	UB		0.0013		SW846-6020	/ = /
Uranium, Dissolved	0.001		mg/L	UB		0.001		SW846-6020	/ = /
RADS									
Alpha activity	-1.13	0.42	pCi/L	U		13.1	0.443	SW846-9310	/ U /
Beta activity	28.4	2.61	pCi/L			8.24	3.36	SW846-9310	/ = /
Technetium-99	-8.36	12.4	pCi/L	U		19.4	12.4	RL-7100	/ U /
VOA									
1,1,1-Trichloroethane	2		ug/L	U		2		SW846-8260B	/ U /
1,1,2-Trichloroethane	2		ug/L	U		2		SW846-8260B	/ U /
1,1-Dichloroethane	24		ug/L	D		2		SW846-8260B	/ = /
1,1-Dichloroethene	39		ug/L	D		2		SW846-8260B	l / = /
1,2-Dichloroethane	2		ug/L	U		2		SW846-8260B	/ U /
Benzene	10		ug/L	U		10		SW846-8260B	/ U /
Bromodichloromethane	10		ug/L	U		10		SW846-8260B	/ U /
Carbon tetrachloride	2		ug/L	U		2		SW846-8260B	/ U /
Chloroform	10		ug/L	U		10		SW846-8260B	/ U /

Paducah OREIS Report for KG10-01

cis-1,2-Dichloroethene	280	ug/L	D	10	SW846-8260B	I / = /
Ethylbenzene	10	ug/L	U	10	SW846-8260B	/ U /
Tetrachloroethene	2	ug/L	U	2	SW846-8260B	/ U /
Toluene	10	ug/L	U	10	SW846-8260B	/ U /
Total Xylene	30	ug/L	U	30	SW846-8260B	/ U /
trans-1,2-Dichloroethene	2	ug/L	U	2	SW846-8260B	/ U /
Trichloroethene	11	ug/L	D	2	SW846-8260B	I / = /
Vinyl chloride	41	ug/L	D	4	SW846-8260B	I / = /
WETCHEM						
Alkalinity	53	mg/L		10	EPA-310.1	/ = /

Paducah OREIS Report for KG10-01

MW301KG1-10

from: MW301

on 10/19/2009

Media: WG

SmpMethod: GR

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	63		mg/L			10		SW846-9056	S / = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	1760		mg/L			100		SW846-9056	I / = /
FS									
Barometric Pressure Reading	30.18		Inches/Hg					FS	/ /
Conductivity	3360		umho/cm					FS	/ /
Depth to Water	6.98		ft					FS	/ /
Dissolved Oxygen	0.65		mg/L					FS	/ /
pH	6		Std Unit					FS	/ /
Redox	145		mV					FS	/ /
Temperature	65.3		deg F					FS	/ /
Turbidity	42.9		NTU					FS	/ /
METAL									
Aluminum	0.2		mg/L	U		0.2		SW846-6010B	/ = /
Arsenic	0.001		mg/L	U		0.001		SW846-6020	/ = /
Barium	0.0244		mg/L			0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	515		mg/L			1		SW846-6010B	/ = /
Iron	208		mg/L			0.1		SW846-6010B	I / = /
Iron (2+)	210		mg/L			55		SM-3500-Fe B 17	/ = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	101		mg/L			0.05		SW846-6010B	/ = /
Manganese	14		mg/L			0.5		SW846-6020	I / = /
Nickel	0.011		mg/L	X		0.005		SW846-6020	/ J /
Potassium	43.8		mg/L			0.2		SW846-6010B	S / = /
Sodium	70.1		mg/L			1		SW846-6010B	/ = /
Uranium	0.0027		mg/L			0.001		SW846-6020	/ = /
METAL-D									
Arsenic, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Barium, Dissolved	0.0261		mg/L			0.005		SW846-6020	/ = /
Beryllium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Lead, Dissolved	0.0013		mg/L	UB		0.0013		SW846-6020	/ = /
Uranium, Dissolved	0.00278		mg/L	B		0.001		SW846-6020	/ = /
RADS									
Alpha activity	0.393	0.168	pCi/L	UX		16.4	0.226	SW846-9310	/ U /
Beta activity	58.6	6.06	pCi/L			14.4	8.44	SW846-9310	I / = /
Technetium-99	-1.75	12.7	pCi/L	U		19.4	12.7	RL-7100	/ U /
VOA									
1,1,1-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1,2-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethane	4.8		ug/L			1		SW846-8260B	/ = /
1,1-Dichloroethene	5.5		ug/L			1		SW846-8260B	/ = /
1,2-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
Benzene	5		ug/L	U		5		SW846-8260B	/ U /
Bromodichloromethane	5		ug/L	U		5		SW846-8260B	/ U /
Carbon tetrachloride	1		ug/L	U		1		SW846-8260B	/ U /
Chloroform	5		ug/L	U		5		SW846-8260B	/ U /

Paducah OREIS Report for KG10-01

cis-1,2-Dichloroethene	68	ug/L		1	SW846-8260B	/ = /
Ethylbenzene	5	ug/L	U	5	SW846-8260B	/ U /
Tetrachloroethene	1	ug/L	U	1	SW846-8260B	/ U /
Toluene	5	ug/L	U	5	SW846-8260B	/ U /
Total Xylene	15	ug/L	U	15	SW846-8260B	/ U /
trans-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260B	/ U /
Trichloroethene	3.8	ug/L		1	SW846-8260B	l / = /
Vinyl chloride	7.9	ug/L		2	SW846-8260B	l / = /
WETCHEM						
Alkalinity	388	mg/L		10	EPA-310.1	/ = /

Paducah OREIS Report for KG10-01

MW302KG1-10

from: MW302

on 10/19/2009

Media: WG

SmpMethod: GR

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	9.5		mg/L			2		SW846-9056	/ = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	150		mg/L			20		SW846-9056	/ = /
FS									
Barometric Pressure Reading	30.18		Inches/Hg					FS	/ /
Conductivity	1650		umho/cm					FS	/ /
Depth to Water	8.7		ft					FS	/ /
Dissolved Oxygen	1.89		mg/L					FS	/ /
pH	4.91		Std Unit					FS	/ /
Redox	364		mV					FS	/ /
Temperature	67.1		deg F					FS	/ /
Turbidity	135		NTU					FS	/ /
METAL									
Aluminum	0.493		mg/L			0.2		SW846-6010B	/ = /
Arsenic	0.01		mg/L	U		0.01		SW846-6020	/ = /
Barium	0.0577		mg/L			0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	49.3		mg/L			1		SW846-6010B	/ = /
Iron	0.425		mg/L			0.1		SW846-6010B	/ = /
Iron (2+)	0.55		mg/L	U		0.55		SM-3500-Fe B 17	/ = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	26.9		mg/L			0.025		SW846-6010B	/ = /
Manganese	0.433		mg/L			0.05		SW846-6020	/ = /
Nickel	0.05		mg/L	UX		0.05		SW846-6020	/ J /
Potassium	0.351		mg/L			0.2		SW846-6010B	/ = /
Sodium	78.6		mg/L			1		SW846-6010B	/ = /
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
METAL-D									
Arsenic, Dissolved	0.01		mg/L	UX		0.01		SW846-6020	/ = /
Barium, Dissolved	0.0601		mg/L			0.005		SW846-6020	/ = /
Beryllium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Lead, Dissolved	0.0013		mg/L	UB		0.0013		SW846-6020	/ = /
Uranium, Dissolved	0.001		mg/L	UB		0.001		SW846-6020	/ = /
RADS									
Alpha activity	0.942	0.323	pCi/L	U		5.39	0.344	SW846-9310	/ U /
Beta activity	1.51	0.194	pCi/L	U		5.34	0.224	SW846-9310	/ U /
Technetium-99	-6.33	12.5	pCi/L	U		19.4	12.5	RL-7100	/ U /
VOA									
1,1,1-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1,2-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
1,2-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
Benzene	5		ug/L	U		5		SW846-8260B	/ U /
Bromodichloromethane	5		ug/L	U		5		SW846-8260B	/ U /
Carbon tetrachloride	1		ug/L	U		1		SW846-8260B	/ U /
Chloroform	5		ug/L	U		5		SW846-8260B	/ U /

Paducah OREIS Report for KG10-01

cis-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260B	/ U /
Ethylbenzene	5	ug/L	U	5	SW846-8260B	/ U /
Tetrachloroethene	1	ug/L	U	1	SW846-8260B	/ U /
Toluene	5	ug/L	U	5	SW846-8260B	/ U /
Total Xylene	15	ug/L	U	15	SW846-8260B	/ U /
trans-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260B	/ U /
Trichloroethene	2.1	ug/L		1	SW846-8260B	! / = /
Vinyl chloride	2	ug/L	U	2	SW846-8260B	/ U /
WETCHEM						
Alkalinity	233	mg/L		10	EPA-310.1	/ = /

Paducah OREIS Report for KG10-01

MW344KG1-10

from: MW344

on 10/19/2009

Media: WG

SmpMethod: GR

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	22		mg/L			2		SW846-9056	/ = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	150		mg/L			10		SW846-9056	S / = /
FS									
Barometric Pressure Reading	30.18		Inches/Hg					FS	/ /
Conductivity	574		umho/cm					FS	/ /
Depth to Water	23.24		ft					FS	/ /
Dissolved Oxygen	0.78		mg/L					FS	/ /
pH	6.13		Std Unit					FS	/ /
Redox	306		mV					FS	/ /
Temperature	61.5		deg F					FS	/ /
Turbidity	61.7		NTU					FS	/ /
METAL									
Aluminum	3.55		mg/L			0.2		SW846-6010B	I / = /
Arsenic	0.01		mg/L	U		0.01		SW846-6020	/ = /
Barium	0.0679		mg/L			0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	55.8		mg/L			1		SW846-6010B	/ = /
Iron	3.04		mg/L			0.1		SW846-6010B	I / = /
Iron (2+)	0.55		mg/L	U		0.55		SM-3500-Fe B 17	/ = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	18.2		mg/L			0.025		SW846-6010B	/ = /
Manganese	0.299		mg/L			0.05		SW846-6020	I / = /
Nickel	0.05		mg/L	UX		0.05		SW846-6020	/ J /
Potassium	1.62		mg/L			0.2		SW846-6010B	/ = /
Sodium	27.1		mg/L			1		SW846-6010B	/ = /
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
METAL-D									
Arsenic, Dissolved	0.00292		mg/L			0.001		SW846-6020	S / = /
Barium, Dissolved	0.0573		mg/L			0.005		SW846-6020	/ = /
Beryllium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Lead, Dissolved	0.0013		mg/L	UB		0.0013		SW846-6020	/ = /
Uranium, Dissolved	0.001		mg/L	UB		0.001		SW846-6020	/ = /
RADS									
Alpha activity	1.6	0.512	pCi/L	U		4.71	0.549	SW846-9310	/ U /
Beta activity	4.25	0.506	pCi/L	U		5.17	0.597	SW846-9310	/ U /
Technetium-99	-0.283	14	pCi/L	U		19.4	14	RL-7100	/ U /
VOA									
1,1,1-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1,2-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
1,2-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
Benzene	5		ug/L	U		5		SW846-8260B	/ U /
Bromodichloromethane	5		ug/L	U		5		SW846-8260B	/ U /
Carbon tetrachloride	1		ug/L	U		1		SW846-8260B	/ U /
Chloroform	5		ug/L	U		5		SW846-8260B	/ U /

Paducah OREIS Report for KG10-01

cis-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260B	/ U /
Ethylbenzene	5	ug/L	U	5	SW846-8260B	/ U /
Tetrachloroethene	1	ug/L	U	1	SW846-8260B	/ U /
Toluene	5	ug/L	U	5	SW846-8260B	/ U /
Total Xylene	15	ug/L	U	15	SW846-8260B	/ U /
trans-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260B	/ U /
Trichloroethene	1.3	ug/L		1	SW846-8260B	! / = /
Vinyl chloride	2	ug/L	U	2	SW846-8260B	/ U /
WETCHEM						
Alkalinity	99	mg/L		10	EPA-310.1	/ = /

Paducah OREIS Report for KG10-01

FBMW300KG1-10

from: QC

on 10/19/2009

Media: WQ

SmpMethod:

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	2		mg/L	U		2		SW846-9056	/ = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	2		mg/L	U		2		SW846-9056	/ = /
METAL									
Aluminum	0.2		mg/L	U		0.2		SW846-6010B	/ = /
Arsenic	0.001		mg/L	U		0.001		SW846-6020	/ = /
Barium	0.005		mg/L	U		0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	1		mg/L	U		1		SW846-6010B	/ = /
Iron	0.1		mg/L	U		0.1		SW846-6010B	/ = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	0.025		mg/L	UB		0.025		SW846-6010B	/ = /
Manganese	0.005		mg/L	UB		0.005		SW846-6020	/ = /
Nickel	0.005		mg/L	UX		0.005		SW846-6020	/ U /
Potassium	0.2		mg/L	U		0.2		SW846-6010B	/ = /
Sodium	1		mg/L	U		1		SW846-6010B	/ = /
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
RADS									
Alpha activity	-0.00259	0.000963	pCi/L	U		2.78	0.00102	SW846-9310	/ U /
Beta activity	0.734	0.0958	pCi/L	U		4.25	0.11	SW846-9310	/ U /
Technetium-99	-5.09	12.6	pCi/L	U		19.4	12.6	RL-7100	/ U /
VOA									
1,1,1-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1,2-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
1,2-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
Benzene	5		ug/L	U		5		SW846-8260B	/ U /
Bromodichloromethane	5		ug/L	U		5		SW846-8260B	/ U /
Carbon tetrachloride	1		ug/L	U		1		SW846-8260B	/ U /
Chloroform	5		ug/L	U		5		SW846-8260B	/ U /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Ethylbenzene	5		ug/L	U		5		SW846-8260B	/ U /
Tetrachloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Toluene	5		ug/L	U		5		SW846-8260B	/ U /
Total Xylene	15		ug/L	U		15		SW846-8260B	/ U /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Trichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Vinyl chloride	2		ug/L	U		2		SW846-8260B	/ U /

Paducah OREIS Report for KG10-01

RIMW300KG1-10

from: QC

on 10/19/2009

Media: WQ

SmpMethod:

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	2		mg/L	U		2		SW846-9056	/ = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	2		mg/L	U		2		SW846-9056	/ = /
METAL									
Aluminum	0.2		mg/L	U		0.2		SW846-6010B	/ = /
Arsenic	0.001		mg/L	U		0.001		SW846-6020	/ = /
Barium	0.005		mg/L	U		0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	1		mg/L	U		1		SW846-6010B	/ = /
Iron	0.1		mg/L	U		0.1		SW846-6010B	/ = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	0.025		mg/L	UB		0.025		SW846-6010B	/ = /
Manganese	0.005		mg/L	UBX		0.005		SW846-6020	/ = /
Nickel	0.005		mg/L	U		0.005		SW846-6020	/ U /
Potassium	0.2		mg/L	U		0.2		SW846-6010B	/ = /
Sodium	1		mg/L	U		1		SW846-6010B	/ = /
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
RADS									
Alpha activity	-0.272	0.107	pCi/L	U		2.79	0.112	SW846-9310	/ U /
Beta activity	-0.974	0.136	pCi/L	U		4.27	0.154	SW846-9310	/ U /
Technetium-99	-11.6	12.1	pCi/L	U		19.4	12.1	RL-7100	/ U /
VOA									
1,1,1-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1,2-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
1,2-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
Benzene	5		ug/L	U		5		SW846-8260B	/ U /
Bromodichloromethane	5		ug/L	U		5		SW846-8260B	/ U /
Carbon tetrachloride	1		ug/L	U		1		SW846-8260B	/ U /
Chloroform	5		ug/L	U		5		SW846-8260B	/ U /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Ethylbenzene	5		ug/L	U		5		SW846-8260B	/ U /
Tetrachloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Toluene	5		ug/L	U		5		SW846-8260B	/ U /
Total Xylene	15		ug/L	U		15		SW846-8260B	/ U /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Trichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Vinyl chloride	2		ug/L	U		2		SW846-8260B	/ U /

Paducah OREIS Report for KG10-01

TBMW300KG1-10

from: QC

on 10/19/2009

Media: WQ

SmpMethod:

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
VOA									
1,1,1-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1,2-Trichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
1,1-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
1,2-Dichloroethane	1		ug/L	U		1		SW846-8260B	/ U /
Benzene	5		ug/L	U		5		SW846-8260B	/ U /
Bromodichloromethane	5		ug/L	U		5		SW846-8260B	/ U /
Carbon tetrachloride	1		ug/L	U		1		SW846-8260B	/ U /
Chloroform	5		ug/L	U		5		SW846-8260B	/ U /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Ethylbenzene	5		ug/L	U		5		SW846-8260B	/ U /
Tetrachloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Toluene	5		ug/L	U		5		SW846-8260B	/ U /
Total Xylene	15		ug/L	U		15		SW846-8260B	/ U /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Trichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Vinyl chloride	2		ug/L	U		2		SW846-8260B	/ U /

APPENDIX D

**ADMINISTRATIVE RECORD AND
POST-DECISION RECORD INDICES**

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Paducah Documents Added to the Administrative Record Files Second Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARF4-1	02/18/10	PPPO-02-359-10	TRANSMITTAL OF THE D1 REMOVAL NOTIFICATION FOR A REMOVAL ACTION AT C-747 CONTAMINATED BURIAL YARD AND C-748-B BURIAL AREA (SWMU 4) AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0334&D1)	DOE-PPPO	USEPA-4	No	I-05216-0003
ARF4-1	02/24/10	DOE/LX/07-0334&D1	APPROVAL OF THE REMOVAL NOTIFICATION FOR A REMOVAL ACTION AT THE C-747 CONTAMINATED BURIAL YARD AND C-748-B BURIAL AREA (SWMU 4) (DOE/LX/07-0334&D1)	KDEP	DOE-PPPO	No	I-05216-0002
ARF4-1	03/02/10	PPPO-02-384-10	TRANSMITTAL OF THE D1 ENGINEERING EVALUATION COST ANALYSIS FOR A REMOVAL ACTION AT C-747 CONTAMINATED BURIAL YARD AND C-748-B BURIAL AREA (SWMU 4) AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0335&D1)	DOE-PPPO	USEPA-4	No	I-05212-0001
ARF4-1	03/03/10		MEMORANDUM TO ADMINISTRATIVE RECORD FILE-OPENING OF NEW AR FILE FOR PHASE 1 OF SWMU-4 (C-747 CONTAMINATED BURIAL YARD AND C-748-B BURIAL AREA)	PRS	SST	No	I-05200-0092
ARF4-1	03/29/10	DOE/LX/07-0335&D1	EPA COMMENTS ON THE ENGINEERING EVALUATION COST ANALYSIS FOR THE C-747 CONTAMINATED BURIAL YARD AND C-748-B BURIAL AREA (SWMU 4) AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0335&D1)	USEPA-4	DOE-PPPO	No	I-05212-0003
ARF4-1	04/22/10	DOE/LX/07-0335&D1	COMMENTS ON THE ENGINEERING EVALUATION COST ANALYSIS FOR A REMOVAL ACTION AT THE C-747 CONTAMINATED BURIAL YARD AND C-748-B BURIAL AREA (SWMU 4) (DOE/LX/07-0335&D1)	KDEP	DOE-PPPO	No	I-05212-0002
ARF4-1	05/20/10	DOE/LX/07-0335&D2	NOTIFICATION OF SCHEDULE EXTENSION FOR THE ENGINEERING EVALUATION/COST ANALYSIS FOR REMOVAL ACTION AT THE C-747 CONTAMINATED BURIAL YARD AND C-748-B BURIAL AREA (SWMU 4) AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0335&D2)	DOE-PPPO	USEPA-4	No	I-05212-0005
ARFBGOU	04/02/08	AI3059	[KDEP] APPROVAL OF THE REVISED SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 13 PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE-PPPO	PRS	No	I-04907-0075
ARFBGOU	01/20/10	PPPO-02-215-10	REVISED ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 6	DOE-PPPO	USEPA-4	No	I-05207-0002
ARFBGOU	02/25/10	PPPO-02-293-10	TRANSMITTAL OF THE REVISED D2/A1/R2 ADDENDUM TO THE WORK PLAN FOR THE BURIAL GROUNDS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY AT PGDP, PADUCAH, KENTUCKY-SOLID WASTE MANAGEMENT UNIT (SWMU) 13 FIELD SAMPLING PLAN (DOE/OR/07-2179&D2/A1/R2)	DOE-PPPO	USEPA-4	No	I-05209-0055
ARFBGOU	03/16/10	DOE/OR/2179&D2/A1/R2	CONDITIONAL APPROVAL OF THE REVISED D2/A1/R2 ADDENDUM TO THE WORK PLAN FOR THE BURIAL GROUNDS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY (SWMU 13) FIELD SAMPLING PLAN (DOE/OR/07-2179&D2/A1/R2)	KDEP	DOE-PPPO	No	I-05209-0057

Paducah Documents Added to the Administrative Record Files Second Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFBGOU	03/16/10	DOE/LX/07-0030&D2/R1	APPROVAL OF THE D2/R1 REMEDIAL INVESTIGATION REPORT FOR THE BURIAL GROUNDS OPERABLE UNIT (DOE/LX/07-0030&D2/R1) PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE-PPPO	No	I-05210-0035
ARFBGOU	03/23/10		EPA APPROVAL OF THE ADDENDUM TO THE REMEDIAL INVESTIGATION WORK PLAN FOR THE BURIAL GROUNDS OPERABLE UNIT (OU-22); SOLID WASTE MANAGEMENT UNIT (SWMU) 13 FIELD SAMPLING PLAN (FSP) AT PGDP (DOE/OR/07-2179&D2/A1/R2)	USEPA-4	DOE-PPPO	No	I-05209-0056
ARFBGOU	04/13/10	PPPO-02-491-10	TRANSMITTAL OF REPLACEMENT PAGES FOR THE ADDENDUM TO THE WORK PLAN FOR THE BURIAL GROUNDS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY-SWMU 13 FIELD SAMPLING PLAN(DOE/OR/07-2179&D2/A1/R2)	DOE-PPPO	USEPA-4	No	I-05209-0058
ARFBGOU	04/22/10	DOE/LX/07-2179&D2/A1/R2	APPROVAL OF THE ADDENDUM TO THE WORK PLAN FOR THE BURIAL GROUNDS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY-SWMU 13 FIELD SAMPLING PLAN (DOE/LX/07-2179&D2/A1/R2)	KDEP	DOE-PPPO	No	I-05209-0059
ARFBGOU	04/28/10	DOE/LX/07-0130&D1	TRANSMITTAL OF THE D1 FEASIBILITY STUDY FOR THE BURIAL GROUND OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0130&D1)	DOE-PPPO	USEPA-4	No	I-05211-0016
ARFC-340	01/29/10		APPROVAL OF THE SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNITS 562,563,564,565 AND 566	KDEP	DOE-PPPO	No	I-04907-0073
ARFC-340	02/22/10	DOE/LX/07-0131&D1	CONDITIONAL APPROVAL OF THE ENGINEERING EVALUATION COST ANALYSIS FOR THE C-340 METALS REDUCTION PLANT COMPLEX AND THE C-746-A EAST END SMELTER (DOE/LX/07-0131&D1)	KDEP	DOE-PPPO	No	I-05612-0016
ARFC-340	02/26/10	PPPO-02-223-10	TRANSMITTAL OF THE ACTION MEMORANDUM FOR THE C-340 METALS REDUCTION PLANT COMPLEX AND THE C-746-A EAST END SMELTER NON-TIME-CRITICAL REMOVAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-0290&D1	DOE-PPPO	USEPA-4	No	I-05613-0006
ARFC-340	03/08/10		EPA COMMENTS ON THE ACTION MEMORANDUM FOR DECOMMISSIONING THE C-340 AND C-746-A BUILDINGS AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP) AS A NON-TIME-CRITICAL REMOVAL ACTION UNDER CERCLA	USEPA-4	DOE-PPPO	No	I-05613-0004
ARFC-340	03/08/10	PPPO-02-228-10	TRANSMITTAL OF THE REMOVAL ACTION WORK PLAN FOR THE C-746-A EAST END SMELTER DECOMMISSIONING AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-0296&D1	DOE-PPPO	USEPA-4	No	I-05616-0004
ARFC-340	03/10/10	DOE/LX/07-0296&D1	EPA COMMENTS ON THE REMOVAL ACTION WORK PLAN FOR THE C-746-A EAST END SMELTER AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0296&D1)	USEPA-4	DOE-PPPO	No	I-05616-0002

Paducah Documents Added to the Administrative Record Files Second Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFC-340	03/30/10	DOE/LX/07-0131&D2/R1	[EPA] APPROVAL OF THE ENGINEERING EVALUATION COST ANALYSIS (EE/CA) FOR THE DECOMMISSIONING OF THE C-340 AND C-746-A EAST END SMELTER AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP) (DOE/LX/07-0131&D2/R1)	USEPA-4	DOE-PPPO	No	I-05612-0018
ARFC-340	03/31/10		PUBLIC NOTICE FOR ENGINEERING EVALUATION COST ANALYSIS FOR REMOVAL OF INACTIVE FACILITIES AT C-340 METALS PLANT AND C-746-A EAST END SMELTER AT PADUCAH GASEOUS DIFFUSION PLANT	DOE-PPPO	PADUCAH SUN	No	I-05612-0017
ARFC-340	04/09/10	DOE/LX/07-0296&D1	CONDITIONAL APPROVAL OF THE REMOVAL ACTION WORK PLAN C-746-A EAST END SMELTER DECOMMISSIONING (DOE/LX/07-0296&D1) PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE-PPPO	No	I-05616-0003
ARFC-340	04/20/10	PPPO-02-498-10	NOTIFICATION OF SCHEDULE EXTENSION FOR THE ACTION MEMORANDUM FOR THE C-340 METALS REDUCTION PLANT COMPLEX AND THE C-746-A EAST END SMELTER AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0290&D2)	DOE-PPPO	USEPA-4	No	I-05613-0005
ARFC-340	05/06/10	PPPO-02-530-10	TRANSMITTAL OF THE REMOVAL ACTION WORK PLAN FOR THE C-746-A EAST END SMELTER DECOMMISSIONING AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-0296&D2	DOE-PPPO	USEPA-4	No	I-05616-0006
ARFC-340	05/06/10	PPPO-02-531-10	TRANSMITTAL OF THE ACTION MEMORANDUM FOR THE C-340 METALS REDUCTION PLANT COMPLEX AND THE C-746-A EAST END SMELTER NON-TIME-CRITICAL REMOVAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-0290&D2	DOE-PPPO	USEPA-4	No	I-05613-0009
ARFC-340	05/17/10	DOE/LX/07-0290&D2	[EPA] APPROVAL OF THE ACTION MEMORANDUM FOR THE DECOMMISSIONING OF THE C-340 AND C-746-A EAST END SMELTER AS A NON-TIME-CRITICAL REMOVAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP) (DOE/LX/07-0290&D2)	USEPA-4	DOE-PPPO	No	I-05613-0008
ARFC-340	05/18/10	DOE/LX/07-0290&D2	[KDEP] APPROVAL OF THE ACTION MEMORANDUM FOR THE C-340 METALS REDUCTION PLANT COMPLEX AND THE C-746 EAST END SMELTER NON-TIME-CRITICAL REMOVAL ACTION (DOE/LX/07-0290&D2)	KDEP	DOE-PPPO	No	I-05613-0007
ARFC-340	05/18/10	DOE/LX/07-0296&D2	APPROVAL OF THE REMOVAL ACTION WORK PLAN C-746 EAST END SMELTER DECOMMISSIONING (DOE/LX/07-0296&D2)	KDEP	DOE-PPPO	No	I-05616-0005
ARFC-340	06/06/10	DOE/LX/07-0296&D2/R1	EPA APPROVAL OF THE REMOVAL ACTION WORK PLAN FOR THE C-746-A EAST END SMELTER AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0296&D2/R1)	USEPA-4	DOE-PPPO	No	I-05616-0008
ARFC-410	03/22/09	DOE/LX/07-0304&D1	EXTENSION REQUEST FOR COMMENT SUBMITTAL TO THE REMOVAL ACTION WORK PLAN ADDENDUM FOR C-410 COMPLEX INFRASTRUCTURE D&D PROJECT (DOE/LX/07-0304&D1)	KDEP	DOE-PPPO	No	I-05116-0092
ARFC-410	12/13/09	DOE/OR/07-2002&D1/R1	PUBLIC NOTICE FOR ADDENDUM TO THE ACTION MEMORANDUM FOR THE C-410 INFRASTRUCTURE REMOVAL AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE-PPPO	GENERAL PUBLIC	No	I-05113-0046

Paducah Documents Added to the Administrative Record Files Second Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFC-410	03/16/10	PPPO-02-437-10	PUBLIC NOTICE FOR THE ACTION MEMORANDUM ADDENDUM FOR THE C-410 INFRASTRUCTURE REMOVAL AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0273&D2)	DOE-PPPO	USEPA-4	No	I-05113-0047
ARFC-410	03/24/10	DOE/LX/07-0304&D1	EPA COMMENTS ON THE REMOVAL WORK PLAN ADDENDUM FOR THE C-410 BUILDING COMPLEX AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0304&D1)	USEPA-4	DOE-PPPO	No	I-05116-0093
ARFC-410	04/09/10	DOE/LX/07-0304&D1	[KDEP] APPROVAL OF THE REMOVAL ACTION WORK PLAN ADDENDUM FOR C-410 COMPLEX INFRASTRUCTURE D&D PROJECT (DOE/LX/07-0304&D1)	KDEP	DOE-PPPO	No	I-05116-0094
ARFC-410	05/07/10	PPPO-02-536-10	NOTIFICATION OF SCHEDULE EXTENSION FOR THE REMOVAL ACTION WORK PLAN ADDENDUM FOR THE C-410 COMPLEX AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0304&D2)	DOE-PPPO	USEPA-4	No	I-05116-0095
ARFC-410	06/10/10	DOE/LX/07-0304&D2	[KDEP] APPROVAL OF THE REMOVAL ACTION WORK PLAN ADDENDUM FOR C-410 COMPLEX INFRASTRUCTURE DECONTAMINATION AND DECOMMISSION PROJECT (DOE/LX/07-0304&D2)	KDEP	DOE-PPPO	No	I-05116-0097
ARFREF	09/29/06	DOE/OR/07-2280&D2	SITE MANAGEMENT PLAN FOR THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY ANNUAL REVISION FY 2006 (DOE/OR/07-2280&D2)	USEPA-4	DOE-PPPO	No	I-02001-0744
ARFREF	11/02/06	DOE/OR/07-2280&D2	[KDEP APPROVES] SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FISCAL YEAR 2006 (DOE/OR/07-2280&D2)	KDEP	DOE-PPPO	No	I-02001-0743
ARFREF	12/14/06	DOE/LX/07-0009&D1	FISCAL YEAR 2007 SITE MANAGEMENT PLAN, D1, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0009&D1)	USEPA-4	DOE-PPPO	No	I-02001-0742
ARFREF	02/02/07	DOE/OR/07-2099&D2/R4	COMMUNITY RELATIONS PLAN (DOE/OR/07-2099&D2/R4) LETTER OF NON-CONCURRENCE AND INVOCATION OF INFORMAL DISPUTE	KDEP	DOE-PPPO	No	I-02001-0741
ARFREF	03/23/07	PPPO-02-379-07	REQUEST TO EXTEND THE INFORMAL DISPUTE PERIOD FOR THE COMMUNITY RELATIONS PLAN AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2099&D2R4)	DOE-PPPO	KDEP	No	I-02001-0747
ARFREF	04/25/08	KY8-890-008-982	DESIGNATION OF PROJECT MANAGER-FEDERAL FACILITIES AGREEMENT, PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE-PPPO	No	I-02001-0740
ARFREF	03/19/09	PPPO-02-376-09	FIVE-YEAR REVIEW FOR REMEDIAL ACTIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0117&D2)	DOE-PPPO	USEPA-4	No	I-02001-0749
ARFREF	06/09/09	PPPO-02-494-09	FEDERAL FACILITY AGREEMENT PROJECT MANAGERS MEETING CONDUCTED APRIL 16, 2009	DOE-PPPO	USEPA-4	No	I-02001-0738
ARFREF	06/17/09	PPPO-02-514-09	INDEPENDENT REVIEW TEAM SEISMIC REPORT	DOE-PPPO	USEPA-4	No	I-02001-0737
ARFREF	02/12/10	PPPO-02-330-10	NOTIFICATION OF SCHEDULE EXTENSION FOR SUBMITTAL OF THE D2 SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FISCAL YEAR 2010 (DOE/LX/07-0305&D2)	DOE-PPPO	USEPA-4	No	I-02001-0736

Paducah Documents Added to the Administrative Record Files Second Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFREF	03/05/10	PPPO-02-409-10	MILESTONE MODIFICATION REQUEST FOR SUBMITTAL OF THE D2 SITE MANAGEMENT PLAN-FISCAL YEAR 2010, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0305&D2)	DOE-PPPO	USEPA-4	No	I-02001-0739
ARFREF	03/11/10	(DOE/LX/07-0305&D2)	APPROVAL OF THE MILESTONE MODIFICATION REQUEST FOR SUBMITTAL OF THE D2 2010 SITE MANAGEMENT PLAN (DOE/LX/07-0305&D2)	KDEP	DOE-PPPO	No	I-02001-0746
ARFREF	03/24/10	KY8-890-008-982	APPROVAL OF MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT, OUT-YEAR COMPLETION DATES FOR OPERABLE UNITS, PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE-PPPO	No	I-02001-0745
ARFREF	04/13/10	PPPO-02-483-10	TRANSMITTAL OF THE D2 SITE MANAGEMENT PLAN-FISCAL YEAR 2010, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0305&D2)	DOE-PPPO	USEPA-4	No	I-02001-0750
ARFREF	04/19/10	DOE/LX/07-0305&D2	APPROVAL FOR THE FY 2010 SITE MANAGEMENT PLAN FOR THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP) (DOE/LX/07-0305&D2)	USEPA-4	DOE-PPPO	No	I-02001-0748
ARFREF	04/30/10	PPPO-02-511-10	FEDERAL FACILITY AGREEMENT PROJECT MANAGERS MEETING CONDUCTED JANUARY 20-21, 2010	DOE-PPPO	USEPA-4	No	I-02001-0751
ARFREF	04/30/10	PPPO-02-519-10	U.S. DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT FEDERAL FACILITY AGREEMENT SEMI-ANNUAL PROGRESS REPORT FOR THE FIRST HALF OF FISCAL YEAR 2010, PADUCAH, KENTUCKY	DOE-PPPO	USEPA-4	No	I-02001-0753
ARFREF	05/03/10	PPPO-02-527-10	FEDERAL FACILITY AGREEMENT BUDGET REPORTING-FISCAL YEAR 2012 BUDGET TARGET FUNDING GUIDANCE	DOE-PPPO	USEPA-4	No	I-02001-0752
ARFREF	05/17/10	PPPO-02-549-10	EXTENSION REQUEST FOR FEDERAL FACILITY AGREEMENT BUDGET REPORTING-FISCAL YEAR 2012 BUDGET TARGET FUNDING GUIDANCE	DOE-PPPO	USEPA-4	No	I-02001-0754
ARFREF	05/17/10	DOE/LX/07-0305&D2	2010 SITE MANAGEMENT PLAN NOTIFICATION OF SCHEDULE EXTENSION (DOE/LX/07-0305&D2)	KDEP	DOE-PPPO	No	I-02001-0755
ARFREF	05/18/10		[KDEP] APPROVAL OF THE EXTENSION REQUEST FOR COMPLETION OF THE PRELIMINARY ASSESSMENT OF THE FISCAL YEAR 2012-2016 TARGET FUNDING GUIDANCE	KDEP	DOE-PPPO	No	I-02001-0757
ARFREF	06/01/10	PPPO-02-565-10	FEDERAL FACILITY AGREEMENT BUDGET REPORTING PRELIMINARY ASSESSMENT OF FISCAL YEAR 2012 BUDGET TARGET FUNDING GUIDANCE	DOE-PPPO	USEPA-4	No	I-02001-0758
ARFSOU	04/02/08	KY8-890-008-982	[KDEP] APPROVAL OF THE REVISED SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 13 PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	KDEP	DOE-PPPO	No	I-04907-0075
ARFSOU	09/07/08		PUBLIC NOTICE-ENGINEERING EVALUATION COST ANALYSIS FOR SOILS INACTIVE FACILITIES AT PADUCAH GASEOUS DIFFUSION PLANT	DOE-PPPO	GENERAL PUBLIC	No	I-04912-0026
ARFSOU	11/06/08		NOTIFICATION LETTER REGARDING SAMPLING AT THE C-218 FIRING RANGE, SOLID WASTE MANAGEMENT UNIT 181	KDEP	DOE-PPPO	No	I-04909-0113

Paducah Documents Added to the Administrative Record Files Second Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFSOU	03/02/09	PPPO-02-346-09	TRANSMITTAL OF THE D2 ACTION MEMORANDUM FOR THE SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0121&D2)	DOE-PPPO	USEPA-4	No	I-04913-0031
ARFSOU	03/06/09	DOE/LX/07-0120&D1	TRANSMITTAL OF THE WORK PLAN FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0120&D1)	DOE-PPPO	USEPA-4	No	I-04909-0126
ARFSOU	10/13/09		DIVISION OF WASTE MANAGEMENT'S RESPONSE TO THE DOE'S RESPONSE TO THE DIVISION'S SIX RFIs LETTER	KDEP	DOE-PPPO	No	I-04907-0072
ARFSOU	10/26/09	CAV-0000ES-PO36	EVALUATION OF FILL AND COVER MATERIAL VERIFICATION FOR STOCKPILE OF SOIL FROM CONSTRUCTION OF THE NORTHWEST STORM WATER COLLECTION BASIN	PRS	PRS	No	I-04916-0023
ARFSOU	01/29/10		APPROVAL OF THE SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNITS 562,563,564,565 AND 566	KDEP	DOE-PPPO	No	I-04907-0073
ARFSOU	02/26/10	PPPO-02-391-10	EXTENSION REQUEST FOR SUBMITTAL OF THE D2/R1 WORK PLAN FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY, AND PROPOSED MILESTONE MODIFICATION FOR THE SOILS OPERABLE UNIT REMEDIAL ACTION PROJECT AT PGDP	DOE-PPPO	USEPA-4	No	I-04909-0116
ARFSOU	03/05/10	DOE/LX/07-0120&D2/R1	APPROVAL OF THE EXTENSION REQUEST FOR SUBMITTAL OF THE D2/R1 WORK PLAN FOR THE SOIL OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY (DOE/LX/07-0120&D2/R1); AND PROPOSED MILESTONE MODIFICATION FOR THE SOILS OPERABLE UNIT REMEDIAL ACTION PROJECT	KDEP	DOE-PPPO	No	I-04909-0114
ARFSOU	03/08/10	DOE/LX/07-0120&D2/R1	APPROVAL OF THE EXTENSION REQUEST FOR SUBMITTAL OF THE D2/R1 WORK PLAN FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY AND PROPOSED MILESTONE MODIFICATION FOR THE SOILS OPERABLE UNIT REMEDIAL ACTION PROJECT AT PGDP	USEPA-4	DOE-PPPO	No	I-04909-0115
ARFSOU	03/08/10	DOE/LX/07-0188&D2/R1	CONDITIONAL CONCURRENCE TO THE SITE EVALUATION REPORT FOR ADDENDUM 2 SOIL PILES (DOE/LX/07-0188&D2/R1)	KDEP	DOE-PPPO	No	I-04907-0074
ARFSOU	03/08/10	KY8-890-008-982	KDWM AIP DATA RELEASE TO OREIS SOIL SAMPLES FROM C-218-1, C-218-2, AND C-218-3 SPLIT WITH DOE, PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE-PPPO	No	I-04924-0002
ARFSOU	03/12/10	DOE/LX/07-0228&D1	COMMENTS ON THE SITEWIDE EVALUATION WORK PLAN AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0228&D1)	USEPA-4	DOE-PPPO	No	I-04907-0077
ARFSOU	03/29/10	PPPO-02-373-10	TRANSMITTAL OF THE D2/R1 WORK PLAN FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0120&D2/R1)	DOE-PPPO	USEPA-4	No	I-04909-0117
ARFSOU	04/28/10	DOE/LX/07-0120&D2/R1	CONDITIONAL CONCURRENCE WITH THE WORK PLAN FOR SOILS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY (DOE/LX/07-0120&D2/R1)	KDEP	DOE-PPPO	No	I-04909-0119

Paducah Documents Added to the Administrative Record Files Second Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFSOU	04/28/10	DOE/LX/07-0120&D2/R1	APPROVAL OF THE WORK PLAN FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY, AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH KENTUCKY (DOE/LX/07-0120&D2/R1)	USEPA-4	DOE-PPPO	No	I-04909-0125
ARFSOU	05/25/10	DOE/LX/07-0225&D2/R1	[EPA] APPROVAL OF THE SITE EVALUATION REPORT FOR ADDENDUM 1-B SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0225&D2/R1)	USEPA-4	DOE-PPPO	No	I-04907-0080
ARFSOU	05/25/10	DOE/LX/07-0188&D2/R1	[EPA] APPROVAL OF THE SITE EVALUATION REPORT FOR ADDENDUM 2 SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0188&D2/R1)	USEPA-4	DOE-PPPO	No	I-04907-0081
ARFSOU	05/28/10	PPPO-02-573-10	SCHEDULE EXTENSION FOR SUBMITTAL OF THE REPLACEMENT PAGES FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY WORK PLAN AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0120&D2/R1)	DOE-PPPO	USEPA-4	No	I-04909-0124
ARFSWOUOSD	01/24/08	PPPO-02-288-08	TRANSMITTAL OF THE SURFACE WATER OPERABLE UNIT (ON-SITE) SITE INVESTIGATION AND BASELINE RISK ASSESSMENT REPORT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0001&D2/R1)	DOE-PPPO	KDEP	No	I-04810-0052
ARFSWOUOSD	04/02/08		[KDEP] APPROVAL OF THE REVISED SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 13 PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	KDEP	DOE-PPPO	No	I-04907-0075
ARFSWOUOSD	10/06/08		PUBLIC NOTICE-ENGINEERING EVALUATION/COST ANALYSIS FOR SURFACE WATER OPERABLE UNIT (ON-SITE)	DOE-PPPO	PADUCAH SUN	No	I-04812-0144
ARFSWOUOSD	02/19/10	PPPO-02-362-10	AIP GRANT DE-FG30-06CC4003: INTENTION TO DISCONTINUE UNITED STATES GEOLOGICAL SURVEY SURFACE WATER GAGING STATION SUPPORT	DOE-PPPO	KDEP	No	I-04802-0115
ARFSWOUOSD	02/26/10	PPPO-02-355-10	FULFILLMENT OF SUBMITTAL REQUIREMENT FOR SURFACE WATER OPERABLE UNIT REMEDIAL INVESTIGATION/FEASIBILITY STUDY SCOPING, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE-PPPO	USEPA-4	No	I-04811-0052
ARFSWOUOSD	03/05/10	KY8-890-008-982	APPROVAL OF THE FULFILLMENT OF SUBMITTAL REQUIREMENT FOR THE SURFACE WATER OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY SCOPING DOCUMENT	KDEP	DOE-PPPO	No	I-04811-0053
ARFSWP	11/06/06	KY8-890-008-982	MILESTONE MODIFICATION FORM FOR THE GROUNDWATER OPERABLE UNIT SOUTHWEST PLUME INTERIM REMEDIAL ACTION PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE-PPPO	No	I-04612-0078
ARFSWP	12/21/06	DOE/OR/07-2180&D2	DEPARTMENT OF ENERGY LETTER PROPOSING RESOLUTION OF INFORMAL DISPUTE IN RESPONSE TO THE ENVIRONMENTAL PROTECTION AGENCY LETTER OF NON-CONCURRENCE	USEPA-4	DOE-PPPO	No	I-04610-0113
ARFSWP	10/22/09		EPA COMMENTS ON FOCUSED FEASIBILITY STUDY FOR SOUTHWEST PLUME- ARARs TABLE	EPA	DOE-PPPO	No	I-04611-0311

Paducah Documents Added to the Administrative Record Files Second Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFSWP	02/22/10	DOE/LX/07-0186&D2	CONDITIONAL CONCURRENCE TO THE FOCUSED FEASIBILITY STUDY FOR THE SOUTHWEST GROUNDWATER PLUME VOLATILE ORGANIC COMPOUND SOURCES (OIL LANDFARM AND C-720 NORTHEAST AND SOUTHEAST SITES)(DOE/LX/07-0186&D2)	KDEP	DOE-PPPO	No	I-04611-0310
ARFSWP	03/02/10	PPPO-02-393-10	TRANSMITTAL OF THE D1 PROPOSED REMEDIAL ACTION PLAN FOR TRICHLOROETHENE SOURCES TO THE SOUTHWEST PLUME AT PGDP (1) SWMU 1, (2) C-720 BUILDING AREA, AND (3) PART OF SWMU 102 (DOE/LX/07-2223&D1)	DOE-PPPO	USEPA-4	No	I-04612-0079
ARFSWP	03/12/10	DOE/LX/07-0186&D2	CONDITIONAL APPROVAL OF THE D2 FOCUSED FEASIBILITY STUDY FOR THE SOUTHWEST GROUNDWATER PLUME VOLATILE ORGANIC COMPOUND SOURCES (OIL LANDFARM AND C-720 NORTHEAST AND SOUTHEAST SITES) AT PGDP (DOE/LX/07-0186&D2)	USEPA-4	DOE-PPPO	No	I-04611-0312
ARFSWP	03/16/10	DOE/OR/07-2223&D1	COMMENTS ON THE PROPOSED REMEDIAL ACTION PLAN FOR TRICHLOROETHENE SOURCES TO THE SOUTHWEST PLUME AT PADUCAH GASEOUS DIFFUSION PLANT: (1) SWMU 1, (2) C-720 BUILDING AREA, AND (3) PART OF SWMU 102 (DOE/OR/2223&D1)	USEPA-4	DOE-PPPO	No	I-04612-0080
ARFSWP	03/16/10	DOE/LX/07-2223&D1	PROPOSED REMEDIAL ACTION PLAN FOR TRICHLOROETHENE SOURCES TO THE SOUTHWEST PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY: (1) SWMU 1, (2) C-720 BUILDING AREA, AND (3) PART OF SWMU 102, DOE/LX/07-2223&D1	KDEP	DOE-PPPO	No	I-04612-0081
ARFSWP	03/29/10	PPPO-02-459-10	REQUEST FOR EXTENSION IN RESPONSE TO CONDITIONAL CONCURRENCE ON THE D2 FOCUSED FEASIBILITY STUDY FOR THE SOUTHWEST GROUNDWATER PLUME VOLATILE ORGANIC COMPOUND SOURCES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE-PPPO	USEPA-4	No	I-04611-0314
ARFSWP	04/12/10	PPPO-02-485-10	INVOCATION OF INFORMAL DISPUTE FOR THE FOCUSED FEASIBILITY STUDY FOR THE SOUTHWEST GROUNDWATER PLUME VOLATILE ORGANIC COMPOUND SOURCES (OIL LANDFARM AND C-720 NORTHEAST AND SOUTHEAST SITES) AT PGDP (DOE/LX/07-0186&D2)	DOE-PPPO	USEPA-4	No	I-04611-0315
ARFSWP	04/30/10	DOE/LX/07-0186&D2	REPLY TO DOE LETTER INVOKING INFORMAL DISPUTE FOR THE FOCUSED FEASIBILITY STUDY FOR THE SOUTHWEST PLUME VOLATILE ORGANIC COMPOUND SOURCES (OIL LANDFARM AND C-720 NORTHEAST AND SOUTHEAST SITES) AT PGDP (DOE/LX/07-0186&D2)	USEPA-4	DOE-PPPO	No	I-04611-0316
ARFSWP	05/20/10	DOE/LX/07-0186&D2	MEMORANDUM OF AGREEMENT FOR RESOLUTION OF INFORMAL DISPUTE FOR THE FOCUSED FEASIBILITY STUDY FOR THE SOUTHWEST PLUME VOLATILE ORGANIC COMPOUND SOURCES OIL LANDFARM AND C-720 NORTHEAST AND SOUTHEAST SITES AT PGDP (DOE/LX/07-0186&D2)	USEPA-4	ADMINISTRATIVE RECORD	No	I-04611-0318

Paducah Documents Added to the Post-Decision Files Second Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
24-PD	01/12/10	PPPO-02-145-10	REPLACEMENT PAGE FOR THE OPERATIONS AND MAINTENANCE PLAN FOR THE NORTHWEST STORM WATER CONTROL FACILITY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2044&D1/R4)	DOE-PPPO	USEPA-4	No	I-01716-0200
24-PD	02/24/10	DOE/LX/07-2044&D1/R4	APPROVAL OF THE OPERATIONS AND MAINTENANCE PLAN FOR THE NORTHWEST STORM WATER CONTROL FACILITY (DOE/LX/07-2044&D1/R4)	KDEP	DOE-PPPO	No	I-01716-0201
6PHASE-PD	04/22/08	DOE/LX/07-0005&D2	CONDITIONAL CONCURRENCE FOR THE REMEDIAL DESIGN REPORT, CERTIFIED FOR CONSTRUCTION DESIGN DRAWINGS AND SPECIFICATIONS PACKAGE, FOR THE GROUNDWATER OPERABLE UNIT FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT PGDP	KDEP	DOE-PPPO	No	I-04615-0067
6PHASE-PD	07/09/08	DOE/LX/07-0005&D2/R1	TRANSMITTAL OF THE REMEDIAL DESIGN REPORT, CERTIFIED FOR CONSTRUCTION DESIGN DRAWINGS AND TECHNICAL SPECIFICATIONS PACKAGE, FOR THE GROUNDWATER OPERABLE UNIT FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT PGDP	DOE-PPPO	USEPA-4	No	I-04615-0068
GW1-PD	04/04/08	DOE/OR/07-1253&D4/R5	[KDEP APPROVES] 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/R5)	KDEP	DOE-PPPO	No	I-00116-0091
GW1-PD	03/15/10	PPPO-02-436-10	REQUEST FOR CONDITIONAL APPROVAL TO INITIATE NORTHWEST PLUME INTERIM REMEDIAL ACTION OPTIMIZATION CONSTRUCTION ACTIVITIES	DOE-PPPO	USEPA-4	No	I-00116-0088
GW1-PD	03/17/10	DOE/LX/07-0339&D1	RESPONSE TO THE DOE'S REQUEST FOR CONDITIONAL APPROVAL TO INITIATE NORTHWEST PLUME INTERIM REMEDIAL ACTION OPTIMIZATION CONSTRUCTION ACTIVITIES (DOE/LX/07-0339&D1)	KDEP	DOE-PPPO	No	I-00116-0089
GW1-PD	03/18/10		RECORD OF DISCUSSION-REQUEST FOR CONDITIONAL APPROVAL TO INITIATE NORTHWEST PLUME INTERIM REMEDIAL ACTION OPTIMIZATION CONSTRUCTION ACTIVITIES	PRS	USEPA-4	No	I-00116-0090
GW1-PD	05/04/10	PPPO-02-475-10	TRANSMITTAL OF THE REMEDIAL ACTION WORK PLAN FOR THE NORTHWEST PLUME INTERIM REMEDIAL ACTION OPTIMIZATION AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0339&D1)	DOE-PPPO	USEPA-4	No	I-00116-0095
GW1-PD	05/10/10		EPA APPROVAL OF THE REMOVAL ACTION WORK PLAN FOR THE NORTHWEST PLUME INTERIM REMEDIAL ACTION OPTIMIZATION AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP)	USEPA-4	DOE-PPPO	No	I-00116-0093
GW1-PD	06/03/10	PPPO-02-566-10	RESPONSE TO CONDITIONAL CONCURRENCE FOR THE REMEDIAL ACTION WORK PLAN FOR THE NORTHWEST PLUME INTERIM REMEDIAL ACTION OPTIMIZATION (DOE/LX/07-0339&D1)	DOE-PPPO	USEPA-4	No	I-00116-0094
GW1-PD	06/03/10	DOE/LX/07-0339&D1	APPROVAL OF THE REMEDIAL ACTION WORK PLAN FOR THE NORTHWEST PLUME INTERIM REMEDIAL ACTION OPTIMIZATION (DOE/LX/07-0339&D1)	KDEP	DOE-PPPO	No	I-00116-0096

Paducah Documents Added to the Administrative Record Files Third Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Notes	Object Name
ARF4-1	06/28/10	PPPO-02-593-10	EXTENSION REQUEST FOR SUBMITTAL OF THE D2 ENGINEERING EVALUATION COST ANALYSIS FOR A REMOVAL ACTION AT THE C-747 CONTAMINATED BURIAL YARD AND C-748-B BURIAL AREA (SWMU 4) AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE-PPPO	USEPA-4	No	I-05212-0009
ARF4-1	07/07/10	DOE/LX/07-0335&D2	APPROVAL OF THE MILESTONE MODIFICATION REQUEST FOR SUBMITTAL OF THE D2 ENGINEERING EVALUATION COST	KDEP	DOE-PPPO	No	I-05212-0010
ARF4-1	07/19/10	DOE/LX/07-0335&D2	APPROVAL OF THE MILESTONE MODIFICATION REQUEST FOR SUBMITTAL OF THE D2 ENGINEERING EVALUATION COST ANALYSIS FOR A REMOVAL ACTION AT THE C-747 CONTAMINATED BURIAL YARD AND C-748-B BURIAL AREA (SWMU 4)(DOE/LX/07-0335&D2) PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE-PPPO	No	I-05212-0015
ARFBGOU	07/07/10	PPPO-02-167-10	REVISED ASSESSMENT REPORTS FOR SOLID WASTE MANAGEMENT UNITS 472 AND 520	DOE-PPPO	USEPA-4	No	I-05207-0004
ARFBGOU	07/12/10		APPROVAL OF THE REVISED SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORTS FOR SOLID WASTE MANAGEMENT UNITS 472 AND 520	KDEP	DOE-PPPO	No	I-05207-0005
ARFBGOU	07/30/10	DOE/LX/07-0130&D1	FEASIBILITY STUDY FOR THE BURIAL GROUNDS OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0130&D1)	KDEP	DOE-PPPO	No	I-05211-0024
ARFC-340	07/30/10	PPPO-02-578-10	TRANSMITTAL OF THE REMOVAL ACTION WORK PLAN (RAWP) FOR THE C-340 COMPLEX DECOMMISSIONING AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0344&D1)	DOE-PPPO	USEPA-4	No	I-05616-0012
ARFC-340	08/27/10		APPROVAL OF THE EXTENSION REQUEST FOR COMPLETION OF CLOSURE ACTIVITIES AT THE C-746-A HAZARDOUS WASTE STORAGE AND TREATMENT FACILITY	KDEP	DOE-PPPO	No	I-05619-0001
ARFC-340	08/30/10	DOE/LX/07-0344&D1	COMMENTS ON THE REMOVAL ACTION WORK PLAN FOR THE C-340 COMPLEX DECOMMISSIONING (DOE/LX/07-0344&D1)	KDEP	DOE-PPPO	No	I-05616-0013
ARFC-340	08/31/10	(DOE/LX/07-0344&D1)	EPA COMMENTS ON THE REMOVAL (ACTION) WORK PLAN ADDENDUM FOR THE C-340 BUILDING COMPLEX AT THE PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4	DOE-PPPO	No	I-05616-0014
ARFC-410	06/08/10	PPPO-02-569-10	TRANSMITTAL OF THE REMOVAL ACTION WORK PLAN ADDENDUM FOR THE C-410 COMPLEX INFRASTRUCTURE DECONTAMINATION AND DECOMMISSIONING PROJECT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-0304&D2	DOE-PPPO	USEPA-4	No	I-05116-0101
ARFCC	06/28/10	DOE/LX/07-0099&D2	CONDITIONAL CONCURRENCE TO THE WORK PLAN FOR CERCLA WASTE DISPOSAL ALTERNATIVE EVALUATION REMEDIAL INVESTIGATION FEASIBILITY STUDY (DOE/LX/07-0099&D2)	KDEP	DOE-PPPO	No	I-05309-0020

Paducah Documents Added to the Administrative Record Files Third Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Notes	Object Name
ARFCC	07/28/10	PPPO-02-9495665-10	EXTENSION REQUEST FOR SUBMITTAL OF THE D2/R1 WORK PLAN FOR THE CERCLA WASTE DISPOSAL ALTERNATIVES EVALUATION REMEDIAL INVESTIGATION FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0099&D2/R1)	DOE-PPPO	USEPA-4	No	I-05309-0029
ARFCC	08/02/10	DOE/LX/07-0099&D2/R1	[KDEP] APPROVAL OF THE EXTENSION REQUEST FOR SUBMITTAL OF THE D2/R1 WORK PLAN FOR THE CERCLA WASTE DISPOSAL ALTERNATIVE EVALUATION REMEDIAL INVESTIGATION/FEASIBILITY STUDY (DOE/LX/07-0099&D2/R1)	KDEP	DOE-PPPO	No	I-05309-0030
ARFREF	12/31/08	PPPO-02-237-09	FEDERAL FACILITY AGREEMENT PROJECT MANAGERS MEETINGS CONDUCTED AUGUST 19-21, SEPTEMBER 17-18, AND OCTOBER 15, 2008	DOE-PPPO	USEPA-4	No	I-02001-0789
ARFREF	06/16/10	PPPO-02-576-10	FEDERAL FACILITY AGREEMENT PROJECT MANAGERS MEETINGS CONDUCTED MARCH 18, 2010 AND APRIL 13-14, 2010	DOE-PPPO	USEPA-4	No	I-02001-0774
ARFREF	06/25/10	DOE/LX/07-0305&D2	APPROVAL OF THE 2010 SITE MANAGEMENT PLAN ANNUAL REVISION (DOE/LX/07-0305&D2)	KDEP	DOE-PPPO	No	I-02001-0775
ARFSOU	04/08/10	B100-BP-10-0062	FINAL AERIAL RADIOLOGICAL SURVEY REPORT OF THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	NST LLC	DOE-PPPO	No	I-04902-0078
ARFSOU	06/24/10	PPPO-02-563-10	TRANSMITTAL OF THE REPLACEMENT PAGES FOR THE WORK PLAN FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0120&D2/R2)	DOE-PPPO	USEPA-4	No	I-04909-0141
ARFSOU	07/08/10	DOE/LX/07-0188&D2/R1	EXTENSION REQUEST FOR COMMENT SUBMITTAL TO THE SITE EVALUATION REPORT FOR ADDENDUM 2 SOIL PILES (DOE/LX/07-0188&D2/R1)	KDEP	DOE-PPPO	No	I-04907-0094
ARFSOU	07/08/10	DOE/LX/07-0188&D2/R1	APPROVAL OF THE SITE EVALUATION REPORT FOR ADDENDUM 2 SOIL PILES (DOE/LX/07-0188&D2/R1)	KDEP	DOE-PPPO	No	I-04907-0095
ARFSOU	07/08/10	DOE/LX/07-0120&D2/R2	APPROVAL OF THE WORK PLAN FOR SOILS OPERABLE UNIT REMEDIAL INVESTIGATION/FEASIBILITY STUDY (DOE/LX/07-0120&D2/R2)	KDEP	DOE-PPPO	No	I-04909-0140
ARFSOU	09/09/10		[FOR INFORMATION ONLY] FIELD INSTRUMENTATION INVESTIGATION LEVELS CALCULATION FOR DEPLETED URANIUM PLUS DAUGHTERS	LATA	DMC-KEVIL	No	I-04910-0013
ARFSWP	06/28/10	PPPO-02-597-10	TRANSMITTAL OF THE FOCUSED FEASIBILITY STUDY FOR THE SOUTHWEST GROUNDWATER PLUME VOLATILE ORGANIC COMPOUND SOURCES (OIL LANDFARM AND C-720 NORTHEAST AND SOUTHEAST SITES) (DOE/LX/07-0186&D2/R1)	DOE-PPPO	USEPA-4	No	I-04611-0321
ARFSWP	06/28/10	PPPO-02-596-10	PROPOSED REMEDIAL ACTION PLAN FOR TRICHLOROETHENE SOURCES TO THE SOUTHWEST PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY: (1) SWMU 1, (2) C-720 BUILDING AREA, AND (3) PART OF SWMU 102. DOE/LX/07-2223&D2	DOE-PPPO	USEPA-4	No	I-04612-0085

Paducah Documents Added to the Administrative Record Files Third Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Notes	Object Name
ARFSWP	07/28/10	PPPO-02-646-10	TRANSMITTAL OF THE REPLACEMENT PAGES FOR THE FOCUSED FEASIBILITY STUDY FOR THE SOUTHWEST GROUNDWATER PLUME VOLATILE ORGANIC COMPOUND SOURCES (OIL LANDFARM AND C-720 NORTHEAST AND SOUTHEAST SITES) AT PGDP, PADUCAH KY, DOE/LX/07-0186&D2/R2	DOE-PPPO	USEPA-4	No	I-04611-0324
ARFSWP	07/30/10	DOE/LX/07-0186&D2/R2	[KDEP APPROVES REPLACEMENT PAGES] APPROVAL OF THE FOCUSED FEASIBILITY STUDY FOR THE SOUTHWEST GROUNDWATER PLUME VOLATILE ORGANIC COMPOUND SOURCES (OIL LANDFARM AND C-720 NORTHEAST AND SOUTHEAST SITES) (DOE/LX/07-0186&D2/R2)	KDEP	DOE-PPPO	No	I-04611-0322
ARFSWP	09/07/10	PPPO-02-988499-10	SCHEDULE EXT. FOR SUBMITTAL OF THE D2/R1 PROPOSED PLAN FOR TRICHLOROETHENE SOURCES TO THE SW PLUME AT PGDP: (1) SWMU 1, (2) C-720 BLDG. AREA, (3) PART OF SWMU 102, AND MILESTONE MOD. REQ. FOR SUBMITTAL OF THE D1 ROD, D1 RDWP, D1 RD REPORT, D1 RAWP, D1 RA	DOE-PPPO	USEPA-4	No	I-04612-0088

Paducah Documents Added to the Post-Decision Third Quarter CY2010

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
			There were no PD's added to the AR during 3rd quarter 2010.				

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APPENDIX E

C-400 GROUNDWATER MONITORING WELLS DATA

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Paducah OREIS Report for GWES10-10 and GWES10-11

MW175C4001-10

from: MW175

on 12/14/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	67		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	29.88		Inches/Hg					FS	/ /
Conductivity	517		umho/cm					FS	/ /
Depth to Water	54.32		ft					FS	/ /
Dissolved Oxygen	2.67		mg/L					FS	/ /
pH	6.14		Std Unit					FS	/ /
Redox	304		mV					FS	/ /
Temperature	67.5		deg F					FS	/ /
Turbidity	53.1		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-0.722	0.168	pCi/L	U	E	4.9	0.238	SW846-9310	/ X /
Beta activity	363	14.8	pCi/L		E	5.13	40.7	SW846-9310	/ X /
Technetium-99	357	20.7	pCi/L			17.2	22.5	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ X /
cis-1,2-Dichloroethene	250		ug/L			50		SW846-8260B	/ X /
trans-1,2-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ X /
Trichloroethene	7900		ug/L	D		100		SW846-8260B	/ X /
Vinyl chloride	100		ug/L	U		100		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW175C4002-10

from: MW175

on 3/24/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	69		mg/L			5		SW846-9056	/ = /
FS									
Barometric Pressure Reading	30		Inches/Hg					FS	/ /
Conductivity	505		umho/cm					FS	/ /
Depth to Water	52.69		ft					FS	/ /
Dissolved Oxygen	2.76		mg/L					FS	/ /
pH	5.97		Std Unit					FS	/ /
Redox	297		mV					FS	/ /
Temperature	67.7		deg F					FS	/ /
Turbidity	81		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	1.61	0.475	pCi/L	U		4.17	0.659	SW846-9310	/ U /
Beta activity	211	11	pCi/L	M	E	4.31	24.8	SW846-9310	/ J /
Technetium-99	360	20.5	pCi/L			16.1	22.3	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ U /
cis-1,2-Dichloroethene	210		ug/L	D		50		SW846-8260B	/ = /
trans-1,2-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ U /
Trichloroethene	5600		ug/L	D		50		SW846-8260B	/ = /
Vinyl chloride	50		ug/L	U		50		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW342C4001-10

from: MW342

on 12/14/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	73		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	29.94		Inches/Hg					FS	/ /
Conductivity	586		umho/cm					FS	/ /
Depth to Water	53.39		ft					FS	/ /
Dissolved Oxygen	2.45		mg/L					FS	/ /
pH	6.21		Std Unit					FS	/ /
Redox	349		mV					FS	/ /
Temperature	68.7		deg F					FS	/ /
Turbidity	12.9		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-6.46	0.963	pCi/L	U	E	4.84	1.79	SW846-9310	/ X /
Beta activity	978	24.5	pCi/L		E	5.11	105	SW846-9310	/ X /
Technetium-99	1290	34.7	pCi/L			17.2	47.2	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ X /
cis-1,2-Dichloroethene	230		ug/L			50		SW846-8260B	IS / X /
trans-1,2-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ X /
Trichloroethene	9500		ug/L			50		SW846-8260B	/ X /
Vinyl chloride	100		ug/L	U		100		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW342C4002-10

from: MW342

on 3/23/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	73		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	30.12		Inches/Hg					FS	/ /
Conductivity	544		umho/cm					FS	/ /
Depth to Water	51.25		ft					FS	/ /
Dissolved Oxygen	1.43		mg/L					FS	/ /
pH	6.08		Std Unit					FS	/ /
Redox	382		mV					FS	/ /
Temperature	70.9		deg F					FS	/ /
Turbidity	5.1		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	10.3	2.07	pCi/L			4.06	3.59	SW846-9310	/ = /
Beta activity	386	14.9	pCi/L	M	E	4.26	43.5	SW846-9310	/ / J /
Technetium-99	827	28.4	pCi/L			16.1	35.1	RL-7100	/ / = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ U /
cis-1,2-Dichloroethene	150		ug/L	D		50		SW846-8260B	/ / = /
trans-1,2-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ U /
Trichloroethene	4700		ug/L	D		50		SW846-8260B	/ / = /
Vinyl chloride	50		ug/L	U		50		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW342DC4001-10	from: MW342	on 12/14/2009	Media: WG	SmpMethod: GR
Comments: F001, F002, U228				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	77		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	29.94		Inches/Hg					FS	/ /
Conductivity	586		umho/cm					FS	/ /
Depth to Water	53.39		ft					FS	/ /
Dissolved Oxygen	2.45		mg/L					FS	/ /
pH	6.21		Std Unit					FS	/ /
Redox	349		mV					FS	/ /
Temperature	68.7		deg F					FS	/ /
Turbidity	12.9		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	0.633	0.0928	pCi/L	U	E	4.9	0.174	SW846-9310	/ X /
Beta activity	926	23.8	pCi/L		E	5.13	99.5	SW846-9310	/ X /
Technetium-99	1280	34.4	pCi/L			17.2	46.8	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ X /
cis-1,2-Dichloroethene	230		ug/L			50		SW846-8260B	IS / X /
trans-1,2-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ X /
Trichloroethene	9900		ug/L			50		SW846-8260B	/ X /
Vinyl chloride	100		ug/L	U		100		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW343C4001-10

from: MW343

on 12/14/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	79		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	29.91		Inches/Hg					FS	/ /
Conductivity	637		umho/cm					FS	/ /
Depth to Water	50.73		ft					FS	/ /
Dissolved Oxygen	2.2		mg/L					FS	/ /
pH	6.02		Std Unit					FS	/ /
Redox	361		mV					FS	/ /
Temperature	68.9		deg F					FS	/ /
Turbidity	14.4		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-176	11.5	pCi/L	U	E	5.37	42.6	SW846-9310	/ X /
Beta activity	6970	66.8	pCi/L		E	5.29	731	SW846-9310	/ X /
Technetium-99	9250	87.8	pCi/L			17.2	246	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	2000		ug/L	U		2000		SW846-8260B	/ X /
cis-1,2-Dichloroethene	400		ug/L	U		400		SW846-8260B	/ X /
trans-1,2-Dichloroethene	400		ug/L	U		400		SW846-8260B	/ X /
Trichloroethene	43000		ug/L			400		SW846-8260B	IS / X /
Vinyl chloride	800		ug/L	U		800		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW343C4002-10

from: MW343

on 3/22/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	82		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	29.83		Inches/Hg					FS	/ /
Conductivity	610		umho/cm					FS	/ /
Depth to Water	48.46		ft					FS	/ /
Dissolved Oxygen	2.02		mg/L					FS	/ /
pH	5.82		Std Unit					FS	/ /
Redox	397		mV					FS	/ /
Temperature	68.6		deg F					FS	/ /
Turbidity	6.1		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	37.4	2.02	pCi/L			4.05	10.8	SW846-9310	/ = /
Beta activity	6850	63.2	pCi/L	M	E	4.26	726	SW846-9310	/ J /
Technetium-99	8920	84.8	pCi/L			16.3	237	RL-7100	/ U /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
cis-1,2-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
trans-1,2-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
Trichloroethene	37000		ug/L	D		400		SW846-8260B	/ = /
Vinyl chloride	250		ug/L	U		250		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW343DC4002-10

from: MW343

on 3/22/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	81		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	29.83		Inches/Hg					FS	/ /
Conductivity	610		umho/cm					FS	/ /
Depth to Water	48.46		ft					FS	/ /
Dissolved Oxygen	2.02		mg/L					FS	/ /
pH	5.82		Std Unit					FS	/ /
Redox	397		mV					FS	/ /
Temperature	68.6		deg F					FS	/ /
Turbidity	6.1		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	92.1	5.17	pCi/L			4.13	26.6	SW846-9310	/ = /
Beta activity	5660	57.6	pCi/L	M	E	4.29	601	SW846-9310	/ / J /
Technetium-99	9010	85.6	pCi/L			16.3	239	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
cis-1,2-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
trans-1,2-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
Trichloroethene	37000		ug/L	D		400		SW846-8260B	/ = /
Vinyl chloride	250		ug/L	U		250		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW421P1C4001-10

from: MW421-PRT1

on 12/16/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	110		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.56		Inches/Hg					FS	/ /
Conductivity	623		umho/cm					FS	/ /
Depth to Water	52.41		ft					FS	/ /
Dissolved Oxygen	2.69		mg/L					FS	/ /
pH	6.22		Std Unit					FS	/ /
Redox	295		mV					FS	/ /
Temperature	61.9		deg F					FS	/ /
Turbidity	40.6		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	27.7	3.58	pCi/L			5.13	6.95	SW846-9310	/ X /
Beta activity	906	23.7	pCi/L			5.19	97.7	SW846-9310	/ X /
Technetium-99	1160	33.1	pCi/L			17.7	43.9	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	1000		ug/L	U		1000		SW846-8260B	/ X /
cis-1,2-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ X /
trans-1,2-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ X /
Trichloroethene	27000		ug/L	D		200		SW846-8260B	/ X /
Vinyl chloride	400		ug/L	U		400		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW421P1C4002-10

from: MW421-PRT1

on 3/23/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	100		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	30.09		Inches/Hg					FS	/ /
Conductivity	618		umho/cm					FS	/ /
Depth to Water	49.6		ft					FS	/ /
Dissolved Oxygen	2.17		mg/L					FS	/ /
pH	5.97		Std Unit					FS	/ /
Redox	429		mV					FS	/ /
Temperature	67		deg F					FS	/ /
Turbidity	6.9		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	15.5	1.95	pCi/L			4.41	4.8	SW846-9310	/ = /
Beta activity	1180	26.6	pCi/L	M	E	4.39	127	SW846-9310	/ J /
Technetium-99	1780	40.1	pCi/L			16.1	59.7	RL-7100	IS / = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ U /
cis-1,2-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ U /
trans-1,2-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ U /
Trichloroethene	24000		ug/L	D		200		SW846-8260B	/ = /
Vinyl chloride	200		ug/L	U		200		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW421P2C4001-10

from: MW421-PRT2

on 12/16/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	95		mg/L	*N		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.53		Inches/Hg					FS	/ /
Conductivity	555		umho/cm					FS	/ /
Depth to Water	52.33		ft					FS	/ /
Dissolved Oxygen	3.84		mg/L					FS	/ /
pH	6.15		Std Unit					FS	/ /
Redox	358		mV					FS	/ /
Temperature	63.1		deg F					FS	/ /
Turbidity	9.7		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	4.74	0.908	pCi/L			4.71	1.37	SW846-9310	/ X /
Beta activity	475	16.8	pCi/L			5.04	52.5	SW846-9310	/ X /
Technetium-99	618	25.6	pCi/L			17.7	29.8	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	2500		ug/L	U		2500		SW846-8260B	/ X /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
Trichloroethene	62000		ug/L	D		500		SW846-8260B	/ X /
Vinyl chloride	1000		ug/L	U		1000		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW421P2C4002-10

from: MW421-PRT2

on 3/23/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	95		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	30.12		Inches/Hg					FS	/ /
Conductivity	562		umho/cm					FS	/ /
Depth to Water	49.6		ft					FS	/ /
Dissolved Oxygen	3.42		mg/L					FS	/ /
pH	5.95		Std Unit					FS	/ /
Redox	436		mV					FS	/ /
Temperature	67.2		deg F					FS	/ /
Turbidity	4.5		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	12.7	2.4	pCi/L			4.01	4.32	SW846-9310	/ = /
Beta activity	417	15.4	pCi/L	M	E	4.24	46.7	SW846-9310	IS / J /
Technetium-99	777	27.7	pCi/L			16.1	33.7	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
Trichloroethene	55000		ug/L	D		500		SW846-8260B	/ = /
Vinyl chloride	500		ug/L	U		500		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW421P3C4001-10

from: MW421-PRT3

on 12/16/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	82		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.5		Inches/Hg					FS	/ /
Conductivity	485		umho/cm					FS	/ /
Depth to Water	52.31		ft					FS	/ /
Dissolved Oxygen	3.63		mg/L					FS	/ /
pH	6.09		Std Unit					FS	/ /
Redox	355		mV					FS	/ /
Temperature	64.7		deg F					FS	/ /
Turbidity	5.5		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	4.67	1.17	pCi/L			4.26	1.54	SW846-9310	/ X /
Beta activity	226	11.3	pCi/L			4.87	26.3	SW846-9310	/ X /
Technetium-99	345	20.7	pCi/L			17.7	22.4	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	2500		ug/L	U		2500		SW846-8260B	/ X /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
Trichloroethene	77000		ug/L	D		500		SW846-8260B	/ X /
Vinyl chloride	1000		ug/L	U		1000		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW421P3C4002-10

from: MW421-PRT3

on 3/23/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	85		mg/L			10		SW846-9056	S / = /
FS									
Barometric Pressure Reading	30.12		Inches/Hg					FS	/ /
Conductivity	491		umho/cm					FS	/ /
Depth to Water	49.6		ft					FS	/ /
Dissolved Oxygen	2.96		mg/L					FS	/ /
pH	5.93		Std Unit					FS	/ /
Redox	433		mV					FS	/ /
Temperature	67.7		deg F					FS	/ /
Turbidity	3.3		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	12.8	2.87	pCi/L			3.61	4.63	SW846-9310	S / = /
Beta activity	218	10.9	pCi/L	M	E	4.08	25.5	SW846-9310	IS / J /
Technetium-99	376	20.8	pCi/L			16.1	22.8	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
Trichloroethene	70000		ug/L	D		500		SW846-8260B	/ = /
Vinyl chloride	500		ug/L	U		500		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW422P1C4001-10

from: MW422-PRT1

on 12/16/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	85		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.36		Inches/Hg					FS	/ /
Conductivity	730		umho/cm					FS	/ /
Depth to Water	52		ft					FS	/ /
Dissolved Oxygen	3.93		mg/L					FS	/ /
pH	5.9		Std Unit					FS	/ /
Redox	430		mV					FS	/ /
Temperature	54.6		deg F					FS	/ /
Turbidity	219		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-15.7	0.703	pCi/L	U		4.27	3.45	SW846-9310	/ X /
Beta activity	10200	77.4	pCi/L			4.87	1070	SW846-9310	/ X /
Technetium-99	13900	108	pCi/L			17.7	361	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	1000		ug/L	U		1000		SW846-8260B	/ X /
cis-1,2-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ X /
trans-1,2-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ X /
Trichloroethene	16000		ug/L	D		200		SW846-8260B	/ X /
Vinyl chloride	400		ug/L	U		400		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW422P1C4002-10

from: MW422-PRT1

on 3/23/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	84		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	29.91		Inches/Hg					FS	/ /
Conductivity	718		umho/cm					FS	/ /
Depth to Water	49.22		ft					FS	/ /
Dissolved Oxygen	3.42		mg/L					FS	/ /
pH	5.6		Std Unit					FS	/ /
Redox	519		mV					FS	/ /
Temperature	65.2		deg F					FS	/ /
Turbidity	59.1		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	UX		0.16		SW846-8082	/ UJ /
PCB-1221	0.17		ug/L	UX		0.17		SW846-8082	/ UJ /
PCB-1232	0.13		ug/L	UX		0.13		SW846-8082	/ UJ /
PCB-1242	0.09		ug/L	UX		0.09		SW846-8082	/ UJ /
PCB-1248	0.11		ug/L	UX		0.11		SW846-8082	/ UJ /
PCB-1254	0.07		ug/L	UX		0.07		SW846-8082	/ UJ /
PCB-1260	0.05		ug/L	UX		0.05		SW846-8082	/ UJ /
PCB-1268	0.08		ug/L	UX		0.08		SW846-8082	/ UJ /
Polychlorinated biphenyl	0.17		ug/L	UX		0.17		SW846-8082	/ UJ /
RADS									
Alpha activity	-25.6	1.34	pCi/L	U		4.55	7.37	SW846-9310	/ U /
Beta activity	8460	71.8	pCi/L	M	E	4.45	897	SW846-9310	IS / J /
Technetium-99	13400	103	pCi/L			16.3	349	RL-7100	IS / = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ U /
cis-1,2-Dichloroethene	180		ug/L	D		100		SW846-8260B	1 / = /
trans-1,2-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ U /
Trichloroethene	14000		ug/L	D		100		SW846-8260B	1 / = /
Vinyl chloride	100		ug/L	U		100		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW422P2C4001-10

from: MW422-PRT2

on 12/16/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	82		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.36		Inches/Hg					FS	/ /
Conductivity	518		umho/cm					FS	/ /
Depth to Water	51.99		ft					FS	/ /
Dissolved Oxygen	3.75		mg/L					FS	/ /
pH	6.17		Std Unit					FS	/ /
Redox	350		mV					FS	/ /
Temperature	61		deg F					FS	/ /
Turbidity	10.5		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	16.1	1.95	pCi/L			4.29	3.97	SW846-9310	/ X /
Beta activity	1110	25.4	pCi/L			4.88	119	SW846-9310	/ X /
Technetium-99	1660	39	pCi/L			17.7	56.8	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	2500		ug/L	U		2500		SW846-8260B	/ X /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
Trichloroethene	53000		ug/L	D		500		SW846-8260B	/ X /
Vinyl chloride	1000		ug/L	U		1000		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW422P2C4002-10

from: MW422-PRT2

on 3/23/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	85		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	30		Inches/Hg					FS	/ /
Conductivity	516		umho/cm					FS	/ /
Depth to Water	49.22		ft					FS	/ /
Dissolved Oxygen	3.27		mg/L					FS	/ /
pH	5.91		Std Unit					FS	/ /
Redox	475		mV					FS	/ /
Temperature	66.3		deg F					FS	/ /
Turbidity	4.9		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	24	3.2	pCi/L			3.7	7.53	SW846-9310	/ = /
Beta activity	823	21.5	pCi/L	M	E	4.12	89.6	SW846-9310	IS / J /
Technetium-99	1600	37.2	pCi/L			16.3	54.4	RL-7100	IS / = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
Trichloroethene	51000		ug/L	D		500		SW846-8260B	/ = /
Vinyl chloride	500		ug/L	U		500		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW422P3C4001-10

from: MW422-PRT3

on 12/16/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	81		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.47		Inches/Hg					FS	/ /
Conductivity	520		umho/cm					FS	/ /
Depth to Water	51.9		ft					FS	/ /
Dissolved Oxygen	3.48		mg/L					FS	/ /
pH	6.13		Std Unit					FS	/ /
Redox	363		mV					FS	/ /
Temperature	63		deg F					FS	/ /
Turbidity	66.1		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	20.7	2.39	pCi/L			4.55	5.05	SW846-9310	/ X /
Beta activity	1230	27.1	pCi/L			4.98	132	SW846-9310	/ X /
Technetium-99	1630	38.6	pCi/L			17.7	55.9	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	2500		ug/L	U		2500		SW846-8260B	/ X /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
Trichloroethene	58000		ug/L	D		500		SW846-8260B	/ X /
Vinyl chloride	1000		ug/L	U		1000		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW422P3C4002-10

from: MW422-PRT3

on 3/23/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	85		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	30		Inches/Hg					FS	/ /
Conductivity	515		umho/cm					FS	/ /
Depth to Water	49.2		ft					FS	/ /
Dissolved Oxygen	3.51		mg/L					FS	/ /
pH	5.92		Std Unit					FS	/ /
Redox	470		mV					FS	/ /
Temperature	65.7		deg F					FS	/ /
Turbidity	21.2		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	19.6	2.62	pCi/L			3.63	6.14	SW846-9310	/ = /
Beta activity	866	21.9	pCi/L	M	E	4.09	94.1	SW846-9310	IS / J /
Technetium-99	1490	36.1	pCi/L			16.3	51.8	RL-7100	IS / = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
Trichloroethene	53000		ug/L	D		500		SW846-8260B	/ = /
Vinyl chloride	500		ug/L	U		500		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW423P1C4001-10

from: MW423-PRT1

on 12/15/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	76		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.18		Inches/Hg					FS	/ /
Conductivity	738		umho/cm					FS	/ /
Depth to Water	51.55		ft					FS	/ /
Dissolved Oxygen	3.59		mg/L					FS	/ /
pH	5.81		Std Unit					FS	/ /
Redox	409		mV					FS	/ /
Temperature	63.5		deg F					FS	/ /
Turbidity	5.5		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-236	11.6	pCi/L	U	E	5.28	56.1	SW846-9310	/ X /
Beta activity	11500	85.4	pCi/L		E	5.26	1200	SW846-9310	/ X /
Technetium-99	14400	110	pCi/L			17.2	375	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	1000		ug/L	U		1000		SW846-8260B	/ X /
cis-1,2-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ X /
trans-1,2-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ X /
Trichloroethene	15000		ug/L	D		200		SW846-8260B	/ X /
Vinyl chloride	400		ug/L	U		400		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW423P1C4002-10

from: MW423-PRT1

on 3/22/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	78		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	29.65		Inches/Hg					FS	/ /
Conductivity	702		umho/cm					FS	/ /
Depth to Water	48.7		ft					FS	/ /
Dissolved Oxygen	3.46		mg/L					FS	/ /
pH	5.71		Std Unit					FS	/ /
Redox	440		mV					FS	/ /
Temperature	65.6		deg F					FS	/ /
Turbidity	4.4		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	45.5	2.25	pCi/L			4.54	13.1	SW846-9310	/ = /
Beta activity	8550	72.1	pCi/L	M	E	4.45	906	SW846-9310	IS / J /
Technetium-99	13800	105	pCi/L			16.3	357	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	64		ug/L	D		25		SW846-8260B	/ = /
cis-1,2-Dichloroethene	200		ug/L	D		25		SW846-8260B	/ = /
trans-1,2-Dichloroethene	25		ug/L	U		25		SW846-8260B	/ U /
Trichloroethene	15000		ug/L	D		500		SW846-8260B	/ = /
Vinyl chloride	25		ug/L	U		25		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW423P2C4001-10

from: MW423-PRT2

on 12/15/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	81		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.27		Inches/Hg					FS	/ /
Conductivity	548		umho/cm					FS	/ /
Depth to Water	51.59		ft					FS	/ /
Dissolved Oxygen	2.78		mg/L					FS	/ /
pH	5.97		Std Unit					FS	/ /
Redox	383		mV					FS	/ /
Temperature	64.9		deg F					FS	/ /
Turbidity	4.2		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-51.8	4.24	pCi/L	U	E	4.53	12.8	SW846-9310	/ X /
Beta activity	3650	46.9	pCi/L		E	4.99	384	SW846-9310	/ X /
Technetium-99	4930	64.5	pCi/L			17.2	138	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	2500		ug/L	U		2500		SW846-8260B	/ X /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
Trichloroethene	54000		ug/L	D		500		SW846-8260B	/ X /
Vinyl chloride	1000		ug/L	U		1000		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW423P2C4002-10

from: MW423-PRT2

on 3/22/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	84		mg/L			10		SW846-9056	S / = /
FS									
Barometric Pressure Reading	29.65		Inches/Hg					FS	/ /
Conductivity	540		umho/cm					FS	/ /
Depth to Water	48.72		ft					FS	/ /
Dissolved Oxygen	2.53		mg/L					FS	/ /
pH	5.89		Std Unit					FS	/ /
Redox	394		mV					FS	/ /
Temperature	67.3		deg F					FS	/ /
Turbidity	2.8		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	40.2	3.45	pCi/L			3.75	11.9	SW846-9310	IS / = /
Beta activity	2260	35.7	pCi/L	M	E	4.14	242	SW846-9310	IS / J /
Technetium-99	4310	59.4	pCi/L			16.3	122	RL-7100	IS / = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
Trichloroethene	52000		ug/L	D		500		SW846-8260B	/ = /
Vinyl chloride	500		ug/L	U		500		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW423P3C4001-10

from: MW423-PRT3

on 12/15/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	79		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.27		Inches/Hg					FS	/ /
Conductivity	539		umho/cm					FS	/ /
Depth to Water	51.59		ft					FS	/ /
Dissolved Oxygen	3		mg/L					FS	/ /
pH	5.9		Std Unit					FS	/ /
Redox	370		mV					FS	/ /
Temperature	63.9		deg F					FS	/ /
Turbidity	4		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-48.6	4.48	pCi/L	U	E	4.59	12.2	SW846-9310	/ X /
Beta activity	2970	42.4	pCi/L		E	5.02	313	SW846-9310	/ X /
Technetium-99	4030	58.8	pCi/L			17.2	116	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	2500		ug/L	U		2500		SW846-8260B	/ X /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
Trichloroethene	53000		ug/L	D		500		SW846-8260B	/ X /
Vinyl chloride	1000		ug/L	U		1000		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW423P3C4002-10

from: MW423-PRT3

on 3/22/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	83		mg/L			10		SW846-9056	S / = /
FS									
Barometric Pressure Reading	29.83		Inches/Hg					FS	/ /
Conductivity	531		umho/cm					FS	/ /
Depth to Water	48.72		ft					FS	/ /
Dissolved Oxygen	2.78		mg/L					FS	/ /
pH	5.89		Std Unit					FS	/ /
Redox	389		mV					FS	/ /
Temperature	67.2		deg F					FS	/ /
Turbidity	2.5		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	43.5	3.91	pCi/L			3.68	12.9	SW846-9310	/ = /
Beta activity	1960	33.2	pCi/L	M	E	4.11	210	SW846-9310	IS / J /
Technetium-99	3810	56	pCi/L			16.3	110	RL-7100	IS / = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
cis-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
trans-1,2-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ U /
Trichloroethene	51000		ug/L	D		500		SW846-8260B	/ = /
Vinyl chloride	500		ug/L	U		500		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW424P1C4001-10

from: MW424-PRT1

on 12/17/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	83		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.24		Inches/Hg					FS	/ /
Conductivity	763		umho/cm					FS	/ /
Depth to Water	52.92		ft					FS	/ /
Dissolved Oxygen	4.05		mg/L					FS	/ /
pH	6.08		Std Unit					FS	/ /
Redox	349		mV					FS	/ /
Temperature	65.9		deg F					FS	/ /
Turbidity	10.9		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-31.9	1.74	pCi/L	U		5.59	7.09	SW846-9310	/ X /
Beta activity	7760	70.6	pCi/L			5.35	815	SW846-9310	/ X /
Technetium-99	10000	90	pCi/L			16.6	264	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ X /
cis-1,2-Dichloroethene	260		ug/L	D		100		SW846-8260B	/ X /
trans-1,2-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ X /
Trichloroethene	9200		ug/L	D		100		SW846-8260B	/ X /
Vinyl chloride	200		ug/L	U		200		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW424P1C4002-10

from: MW424-PRT1

on 3/24/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	77		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	30		Inches/Hg					FS	/ /
Conductivity	724		umho/cm					FS	/ /
Depth to Water	50.45		ft					FS	/ /
Dissolved Oxygen	3.06		mg/L					FS	/ /
pH	5.99		Std Unit					FS	/ /
Redox	348		mV					FS	/ /
Temperature	70.4		deg F					FS	/ /
Turbidity	6.2		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	86.8	5.63	pCi/L			4.82	25.2	SW846-9310	/ = /
Beta activity	4420	52.5	pCi/L	M	E	4.55	471	SW846-9310	/ J /
Technetium-99	6540	74.5	pCi/L			16.1	179	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ U /
cis-1,2-Dichloroethene	250		ug/L	D		100		SW846-8260B	/ = /
trans-1,2-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ U /
Trichloroethene	7900		ug/L	D		100		SW846-8260B	/ = /
Vinyl chloride	100		ug/L	U		100		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW424P2C4001-10

from: MW424-PRT2

on 12/17/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	81		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.33		Inches/Hg					FS	/ /
Conductivity	597		umho/cm					FS	/ /
Depth to Water	52.9		ft					FS	/ /
Dissolved Oxygen	4.38		mg/L					FS	/ /
pH	5.95		Std Unit					FS	/ /
Redox	347		mV					FS	/ /
Temperature	66.3		deg F					FS	/ /
Turbidity	8.6		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	7.27	0.512	pCi/L			4.54	1.65	SW846-9310	/ X /
Beta activity	4010	49	pCi/L			4.98	423	SW846-9310	/ X /
Technetium-99	6180	72.4	pCi/L			17.7	170	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ X /
cis-1,2-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ X /
trans-1,2-Dichloroethene	200		ug/L	U		200		SW846-8260B	/ X /
Trichloroethene	18000		ug/L	D		200		SW846-8260B	/ X /
Vinyl chloride	400		ug/L	U		400		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW424P2C4002-10

from: MW424-PRT2

on 3/24/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	85		mg/L			10		SW846-9056	S / = /
FS									
Barometric Pressure Reading	30.12		Inches/Hg					FS	/ /
Conductivity	597		umho/cm					FS	/ /
Depth to Water	50.42		ft					FS	/ /
Dissolved Oxygen	3.29		mg/L					FS	/ /
pH	5.77		Std Unit					FS	/ /
Redox	349		mV					FS	/ /
Temperature	71		deg F					FS	/ /
Turbidity	4.8		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	52.8	4.02	pCi/L			3.93	15.5	SW846-9310	/ = /
Beta activity	2940	41.2	pCi/L	M	E	4.21	314	SW846-9310	IS / J /
Technetium-99	6240	73.1	pCi/L			16.1	171	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
cis-1,2-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
trans-1,2-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
Trichloroethene	17000		ug/L	D		250		SW846-8260B	/ = /
Vinyl chloride	250		ug/L	U		250		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW424P3C4001-10

from: MW424-PRT3

on 12/17/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	88		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.36		Inches/Hg					FS	/ /
Conductivity	575		umho/cm					FS	/ /
Depth to Water	52.82		ft					FS	/ /
Dissolved Oxygen	3.79		mg/L					FS	/ /
pH	5.95		Std Unit					FS	/ /
Redox	342		mV					FS	/ /
Temperature	66.2		deg F					FS	/ /
Turbidity	4.6		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	12.3	0.992	pCi/L			4.43	2.84	SW846-9310	/ X /
Beta activity	2960	41.9	pCi/L			4.94	313	SW846-9310	/ X /
Technetium-99	4500	62.1	pCi/L			17.7	128	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	200		ug/L	UX		200		SW846-8260B	/ X /
cis-1,2-Dichloroethene	200		ug/L	UX		200		SW846-8260B	/ X /
trans-1,2-Dichloroethene	200		ug/L	UX		200		SW846-8260B	/ X /
Trichloroethene	23000		ug/L	DX		200		SW846-8260B	/ X /
Vinyl chloride	400		ug/L	UX		400		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW424P3C4002-10

from: MW424-PRT3

on 3/24/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	87		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	30.12		Inches/Hg					FS	/ /
Conductivity	576		umho/cm					FS	/ /
Depth to Water	50.37		ft					FS	/ /
Dissolved Oxygen	3.5		mg/L					FS	/ /
pH	5.8		Std Unit					FS	/ /
Redox	342		mV					FS	/ /
Temperature	70.3		deg F					FS	/ /
Turbidity	3.7		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	-39.3	3.19	pCi/L	U		3.9	11.6	SW846-9310	/ U /
Beta activity	2810	40.2	pCi/L			4.2	300	SW846-9310	/ J /
Technetium-99	4600	63	pCi/L			16.1	130	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
cis-1,2-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
trans-1,2-Dichloroethene	250		ug/L	U		250		SW846-8260B	/ U /
Trichloroethene	23000		ug/L	D		250		SW846-8260B	/ = /
Vinyl chloride	250		ug/L	U		250		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW425P1C4001-10

from: MW425-PRT1

on 12/16/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	74		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.53		Inches/Hg					FS	/ /
Conductivity	717		umho/cm					FS	/ /
Depth to Water	53.6		ft					FS	/ /
Dissolved Oxygen	2.88		mg/L					FS	/ /
pH	5.95		Std Unit					FS	/ /
Redox	365		mV					FS	/ /
Temperature	68.3		deg F					FS	/ /
Turbidity	53.1		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ X /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ X /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	26.5	1.5	pCi/L			5.21	5.91	SW846-9310	/ X /
Beta activity	6360	63.2	pCi/L			5.22	669	SW846-9310	/ X /
Technetium-99	9490	89.2	pCi/L			17.7	252	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
cis-1,2-Dichloroethene	290		ug/L	D		100		SW846-8260B	/ X /
trans-1,2-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ X /
Trichloroethene	13000		ug/L	D		100		SW846-8260B	/ X /
Vinyl chloride	200		ug/L	U		200		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW425P1C4002-10

from: MW425-PRT1

on 3/23/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	74		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	29.83		Inches/Hg					FS	/ /
Conductivity	575		umho/cm					FS	/ /
Depth to Water	49.8		ft					FS	/ /
Dissolved Oxygen	2.97		mg/L					FS	/ /
pH	5.92		Std Unit					FS	/ /
Redox	379		mV					FS	/ /
Temperature	68		deg F					FS	/ /
Turbidity	41.6		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	51.4	4.49	pCi/L			4.26	15.2	SW846-9310	/ = /
Beta activity	2200	36.1	pCi/L	M	E	4.34	236	SW846-9310	/ / J /
Technetium-99	3010	50.2	pCi/L			16.3	90	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ U /
cis-1,2-Dichloroethene	260		ug/L	D		100		SW846-8260B	/ = /
trans-1,2-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ U /
Trichloroethene	8900		ug/L	D		100		SW846-8260B	/ = /
Vinyl chloride	100		ug/L	U		100		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW425P2C4001-10

from: MW425-PRT2

on 12/16/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	77		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.53		Inches/Hg					FS	/ /
Conductivity	676		umho/cm					FS	/ /
Depth to Water	53.6		ft					FS	/ /
Dissolved Oxygen	2.79		mg/L					FS	/ /
pH	5.94		Std Unit					FS	/ /
Redox	364		mV					FS	/ /
Temperature	68		deg F					FS	/ /
Turbidity	3.9		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-17.7	1.12	pCi/L	U		5.05	3.98	SW846-9310	/ X /
Beta activity	5550	58.7	pCi/L			5.16	584	SW846-9310	/ X /
Technetium-99	7850	81.6	pCi/L			17.7	211	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	500		ug/L	U		500		SW846-8260B	/ X /
cis-1,2-Dichloroethene	240		ug/L	D		100		SW846-8260B	/ X /
trans-1,2-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ X /
Trichloroethene	11000		ug/L	D		100		SW846-8260B	/ X /
Vinyl chloride	200		ug/L	U		200		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW425P2C4002-10

from: MW425-PRT2

on 3/23/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	76		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	29.85		Inches/Hg					FS	/ /
Conductivity	604		umho/cm					FS	/ /
Depth to Water	50.77		ft					FS	/ /
Dissolved Oxygen	3.15		mg/L					FS	/ /
pH	5.87		Std Unit					FS	/ /
Redox	388		mV					FS	/ /
Temperature	69.4		deg F					FS	/ /
Turbidity	4.1		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	49.5	3.52	pCi/L			4.28	14.5	SW846-9310	/ = /
Beta activity	3710	47	pCi/L	M	E	4.35	395	SW846-9310	/ / J /
Technetium-99	5600	67.7	pCi/L			16.3	155	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ U /
cis-1,2-Dichloroethene	250		ug/L	D		50		SW846-8260B	/ = /
trans-1,2-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ U /
Trichloroethene	9300		ug/L	D		100		SW846-8260B	/ = /
Vinyl chloride	50		ug/L	U		50		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW425P3C4001-10

from: MW425-PRT3

on 12/17/2009

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	78		mg/L	*		10		SW846-9056	/ X /
FS									
Barometric Pressure Reading	30.18		Inches/Hg					FS	/ /
Conductivity	615		umho/cm					FS	/ /
Depth to Water	53.47		ft					FS	/ /
Dissolved Oxygen	3.66		mg/L					FS	/ /
pH	5.93		Std Unit					FS	/ /
Redox	385		mV					FS	/ /
Temperature	66		deg F					FS	/ /
Turbidity	19.6		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	UB		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	39.3	2.8	pCi/L			4.86	8.91	SW846-9310	/ X /
Beta activity	3620	47.1	pCi/L			5.1	382	SW846-9310	/ X /
Technetium-99	5210	66.7	pCi/L			17.7	145	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ X /
cis-1,2-Dichloroethene	180		ug/L	D		100		SW846-8260B	/ X /
trans-1,2-Dichloroethene	100		ug/L	U		100		SW846-8260B	/ X /
Trichloroethene	8100		ug/L	D		100		SW846-8260B	/ X /
Vinyl chloride	200		ug/L	U		200		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

MW425P3C4002-10

from: MW425-PRT3

on 3/23/2010

Media: WG

SmpMethod: GR

Comments: F001, F002, U228

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	79		mg/L			10		SW846-9056	/ = /
FS									
Barometric Pressure Reading	29.85		Inches/Hg					FS	/ /
Conductivity	585		umho/cm					FS	/ /
Depth to Water	50.78		ft					FS	/ /
Dissolved Oxygen	3.12		mg/L					FS	/ /
pH	5.85		Std Unit					FS	/ /
Redox	391		mV					FS	/ /
Temperature	69		deg F					FS	/ /
Turbidity	3.2		NTU					FS	/ /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	57	4.59	pCi/L			4.12	16.8	SW846-9310	/ = /
Beta activity	2590	38.9	pCi/L	M	E	4.28	276	SW846-9310	IS / J /
Technetium-99	4290	59.2	pCi/L			16.3	122	RL-7100	/ = /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ U /
cis-1,2-Dichloroethene	180		ug/L	D		50		SW846-8260B	/ = /
trans-1,2-Dichloroethene	50		ug/L	U		50		SW846-8260B	/ U /
Trichloroethene	7600		ug/L	D		100		SW846-8260B	/ = /
Vinyl chloride	50		ug/L	U		50		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

FBMW342C4001-10

from: QC

on 12/14/2009

Media: WQ

SmpMethod:

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	2		mg/L	*NU		2		SW846-9056	/ X /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-0.683	0.966	pCi/L	U		2.36	0.979	SW846-9310	/ X /
Beta activity	-0.545	0.138	pCi/L	U		3.79	0.15	SW846-9310	/ X /
Technetium-99	-12.2	11.6	pCi/L	U		17.7	11.6	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	5		ug/L	U		5		SW846-8260B	/ X /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ X /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ X /
Trichloroethene	1		ug/L	U		1		SW846-8260B	/ X /
Vinyl chloride	2		ug/L	U		2		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

FBMW343C4002-10

from: QC

on 3/22/2010

Media: WQ

SmpMethod:

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	2		mg/L	U		2		SW846-9056	/ = /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	-0.00728	0.00651	pCi/L	U		2.03	0.00683	SW846-9310	/ U /
Beta activity	7.22	1.34	pCi/L	M		3.22	1.54	SW846-9310	/ J /
Technetium-99	3.88	11.2	pCi/L	U		16.3	11.2	RL-7100	/ U /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Trichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Vinyl chloride	1		ug/L	U		1		SW846-8260B	/ U /

Paducah OREIS Report for GWES10-10 and GWES10-11

RIMW342C4001-10

from: QC

on 12/14/2009

Media: WQ

SmpMethod:

Comments:

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	2		mg/L	*U		2		SW846-9056	/ X /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ X /
PCCB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ X /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ X /
PCB-1232	0.13		ug/L	U		0.13		SW846-8082	/ X /
PCB-1242	0.09		ug/L	U		0.09		SW846-8082	/ X /
PCB-1248	0.11		ug/L	U		0.11		SW846-8082	/ X /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ X /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ X /
PCB-1268	0.08		ug/L	U		0.08		SW846-8082	/ X /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ X /
RADS									
Alpha activity	-0.334	0.334	pCi/L	U		2.37	0.343	SW846-9310	/ X /
Beta activity	0.489	0.116	pCi/L	U		3.81	0.127	SW846-9310	/ X /
Technetium-99	-13.9	11.5	pCi/L	U		17.7	11.5	RL-7100	/ X /
Uranium	0.005		mg/L	U		0.005		ST7106	/ X /
VOA									
1,1-Dichloroethene	5		ug/L	U		5		SW846-8260B	/ X /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ X /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ X /
Trichloroethene	1		ug/L	U		1		SW846-8260B	/ X /
Vinyl chloride	2		ug/L	U		2		SW846-8260B	/ X /

Paducah OREIS Report for GWES10-10 and GWES10-11

RIMW343C4002-10	from: QC	on 3/22/2010	Media: WQ	SmpMethod:
Comments:				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
ANION									
Chloride	2		mg/L	U		2		SW846-9056	/ = /
METAL									
Uranium	0.001		mg/L	U		0.001		SW846-6020	/ = /
PCPB									
PCB-1016	0.16		ug/L	U		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	U		0.17		SW846-8082	/ U /
PCB-1232	0.14		ug/L	U		0.14		SW846-8082	/ U /
PCB-1242	0.1		ug/L	U		0.1		SW846-8082	/ U /
PCB-1248	0.12		ug/L	U		0.12		SW846-8082	/ U /
PCB-1254	0.07		ug/L	U		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	U		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	U		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	U		0.17		SW846-8082	/ U /
RADS									
Alpha activity	0.0404	0.0404	pCi/L	U		2	0.0419	SW846-9310	/ U /
Beta activity	2.22	0.528	pCi/L	MU		3.19	0.578	SW846-9310	/ U /
Technetium-99	-3.94	10.9	pCi/L	U		16.3	10.9	RL-7100	/ U /
Uranium	0.005		mg/L	U		0.005		ST7106	/ = /
VOA									
1,1-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Trichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Vinyl chloride	1		ug/L	U		1		SW846-8260B	/ U /

TB1C4001-10	from: QC	on 12/14/2009	Media: WQ	SmpMethod:
Comments:				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
VOA									
1,1-Dichloroethene	5		ug/L	U		5		SW846-8260B	/ X /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ X /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ X /
Trichloroethene	1		ug/L	U		1		SW846-8260B	/ X /
Vinyl chloride	2		ug/L	U		2		SW846-8260B	/ X /

TB1C4002-10	from: QC	on 3/22/2010	Media: WQ	SmpMethod:
Comments:				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
VOA									
1,1-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Trichloroethene	1		ug/L	U		1		SW846-8260B	/ U /
Vinyl chloride	1		ug/L	U		1		SW846-8260B	/ U /