



**Department of Energy**

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Mr. Edward Winner, FFA Manager  
Kentucky Department for Environmental Protection  
Division of Waste Management  
200 Fair Oaks Lane, 2<sup>nd</sup> Floor  
Frankfort, Kentucky 40601

Dear Mr. Ballard, Ms. Webb, and Mr. Winner:

**U.S. DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT  
FEDERAL FACILITY AGREEMENT SEMIANNUAL PROGRESS REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2008, PADUCAH, KENTUCKY**

Please find enclosed *U.S. Department of Energy (DOE) Paducah Gaseous Diffusion Plant Federal Facility Agreement Semiannual Progress Report for the Second Half of Fiscal Year 2008, Paducah, Kentucky, DOE/LX/07-0118/V2*. The enclosed report is required by Sections XXIII and XXXII of the Paducah Site Federal Facility Agreement (FFA) and Part IV of the Resource Conservation and Recovery Act Permit. This report describes the actions that DOE has taken during the reporting period of April 1, 2008 through September 30, 2008, to implement FFA requirements.

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

Sincerely,

Reinhard Knerr  
Paducah Site Lead  
Portsmouth/Paducah Project Office

I-02023-0046



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Initials Date

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Enclosure:

FFA Semiannual Report for the Second Half of FY 2008

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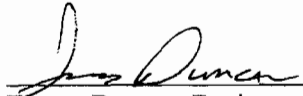
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## CERTIFICATION

**Document Identification:** *Federal Facility Agreement Semiannual Progress Report  
First Half Fiscal Year 2008 (DOE/LX/07-0118V1)  
Paducah Gaseous Diffusion Plant,  
Paducah, Kentucky*

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

Paducah Remediation Services LLC



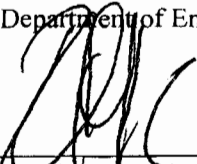
Tracey Duncan, Environmental Restoration/  
Environmental Monitoring Director

10/29/2008

Date Signed

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

U.S. Department of Energy (DOE)



Reinhard Kherr, Paducah Site Lead

10/3/08

Date Signed

**U.S. Department of Energy  
Paducah Gaseous Diffusion Plant  
Federal Facility Agreement  
Semiannual Progress Report for the  
Second Half of Fiscal Year 2008  
Paducah, Kentucky**



This document is approved for public release per review by:

*M. Brennan* \_\_\_\_\_ *10.28.08*  
Paducah Classification and Control Office Date  
Swift and Staley Team

**U.S. Department Of Energy  
Paducah Gaseous Diffusion Plant  
Federal Facility Agreement  
Semiannual Progress Report for the  
Second Half of Fiscal Year 2008  
Paducah, Kentucky**

Date Issued—October 2008

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

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

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## ACRONYMS

BRA	Baseline Risk Assessment
CAB	Citizens Advisory Board
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CQCP	Construction Quality Control Plan
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
FFA	Federal Facility Agreement
FS	Feasibility Study
FY	fiscal year
GWOU	Groundwater Operable Unit
IRA	Interim Remedial Action
KRCEE	Kentucky Research Consortium for Energy and the Environment
LUCIP	Land Use Control Implementation Plan
NEPCS	Northeast Plume Containment System
NSDD	North-South Diversion Ditch
NWPGS	Northwest Plume Groundwater System
O&M	operation and maintenance
PGDP	Paducah Gaseous Diffusion Plant
ppb	parts per billion
PRS	Paducah Remediation Services, LLC
RAR	Removal Action Report
RAWP	Remedial Action Work Plan
RDR	Remedial Design Report
RGA	Regional Gravel Aquifer
RI	remedial investigation
ROD	Record of Decision
SAP	sampling and analysis plan
SI	Site Investigation
SMP	Site Management Plan
SOU	Soils Operable Unit
SWMU	Solid Waste Management Unit
SWOU	Surface Water Operable Unit
<sup>99</sup> Tc	technetium-99
TCE	trichloroethene
WAG	waste area group

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# INTRODUCTION

## FEDERAL FACILITY AGREEMENT SEMIANNUAL REPORT SECOND HALF FISCAL YEAR 2008

**Facility: Paducah Gaseous Diffusion Plant**  
**Plant EPA I.D. No.: KY8-890-008-982**  
**Reporting Period: 4/1/08–9/30/08**

As specified by the Paducah Federal Facility Agreement (FFA) Section XXIII, the U.S. Department of Energy (DOE) has prepared this regulatory progress report that describes the actions that DOE has taken during the previous six months to implement the FFA requirements. This report also describes the schedules<sup>1</sup> for the upcoming six months. Activities that have taken place after the reporting period closed are not included in this report.

Projects reported within this update are grouped similarly to the organization presented in the *Site Management Plan Annual Revision FY 2008, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, DOE/OR/07-0105&D2 (SMP)*. Those projects are listed below.

**Table 1. Operable Units and Corresponding Report Topics**

<b>Operable Unit</b>	<b>Project</b>
Groundwater Operable Unit	C-400 Southwest Plume Sources Dissolved-Phase Plumes Northeast Plume Interim Remedial Action Northwest Plume Interim Remedial Action
Burial Grounds Operable Unit	Burial Grounds Operable Unit
Surface Water Operable Unit	Scrap Metal Surface Water (On-Site)
Soils Operable Unit	Sitewide Soils Inactive Facilities Soil and Rubble Areas <sup>2</sup>
Decontamination and Decommissioning Operable Unit	Decontamination and Decommissioning Operable Unit
Comprehensive Sitewide Operable Unit/Permitted/ No Further Action/Miscellaneous/Waste Disposal Alternatives	Waste Area Groups 1 and 7 Community Relations Plan Site Management Plan CERCLA Waste Disposal Alternatives

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

<sup>2</sup> Soil and rubble areas are not included within the Site Management Plan, but are reported under the Soils Operable Unit for clarity.

Within this report, Appendix A contains Water Withdrawal Reports and Appendix B contains Figures 1 through 7, as referenced in the Northeast and Northwest Plume updates.

Appendix C reports the C-746-K Landfill groundwater monitoring data. Sampling of these monitoring wells is outlined in the Record of Decision (ROD) for Waste Area Groups (WAGs) 1 and 7.

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

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2008**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/1/08–9/30/08**

**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, Southwest Plume Sources, Dissolved-Phase Plumes, Northeast Plume Interim Remedial Action (IRA), and Northwest Plume IRA. Supporting projects in the GWOU include the update and revision of the Risk Methods Document and the Sitewide Numerical Groundwater Model, which are included in the Dissolved-Phase Plumes update.

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**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2008**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/1/08-9/30/08**

**GROUNDWATER OPERABLE UNIT PROJECT: C-400**

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

- Received approval of the Certified for Construction Remedial Design Report (RDR) (D2/R1) from the Commonwealth of Kentucky (Kentucky) and U.S. Environmental Protection Agency (EPA).
- Developed the D2/R1 Remedial Action Work Plan (RAWP) and submitted it to Kentucky and EPA for approval.
- Received approval of the D2/R2 Land Use Control Implementation Plan (LUCIP) from Kentucky and EPA.
- Initiated and completed removal of interfering infrastructure at the southwest corner of C-400 building area in preparation for installation of Phase I electrical resistance heating equipment.

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

- Obtain approval of the D2/R1 RAWP from Kentucky and EPA.
- Develop the D2/R1 Construction Quality Control Plan (CQCP) for the C-400 IRA and submit it to Kentucky and EPA for approval.
- Develop the Operations and Maintenance Plan for the C-400 IRA to include start up and testing and operating procedures.
- Develop and file a property record notice and survey plat for the C-400 land use control area in accordance with the C-400 LUCIP.
- Complete removal of interfering infrastructure at the C-400 Cleaning Building area in preparation for installation of Phase II of the C-400 IRA systems.
- Install electrical resistance heating and aboveground treatment system components for Phase I deployment of the C-400 IRA.

**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 Paducah Remediation Services, LLC, (PRS) as the DOE prime remediation contractor at the Paducah Gaseous

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Diffusion Plant (PGDP). In addition, PRS also provides programmatic and technical support, analytical services, and business management.

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

The requirements are being met for the Groundwater C-400 Action subproject; however, project field implementation is significantly behind the original planned schedule, as described in Section VI below. The April 2011 milestone date for submittal of the Remedial Action Completion Report will require modification.

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

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

- D2/R1 RAWP for the C-400 IRA,
- Property Record Notice and Survey Plat for the C-400 land use control area, and
- D2/R1 CQCP for the C-400 IRA.

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

- Approval by Kentucky and EPA of the D2/R1 C-400 IRA RAWP is anticipated by October 2008,
- Approval by Kentucky and EPA of the D2/R1 C-400 IRA CQCP is anticipated in November 2008, and
- Filing of the C-400 Property Record Notice and Survey Plat is scheduled for November 13, 2008.

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

The final DOE Headquarters Independent Technical Review Report was released to Kentucky and EPA on August 24, 2007. Kentucky comments on the D1 Remedial Design Report (RDR) were received on September 7, 2007, and EPA comments were received on October 17, 2007. The D2 RDR was developed and transmitted to Kentucky and EPA on February 14, 2008, to reflect the design for a phased approach requested by EPA. Both Kentucky and EPA requested additional time to complete their reviews of the D2 RDR. Final comments were received in June 2008, and the D2/R1 RDR was prepared and transmitted to Kentucky and EPA for approval. The D2/R1 Certified for Construction RDR was approved in July 2008.

EPA comments on the D1 RAWP, which was submitted on May 9, 2007, were received on March 28, 2008, and the D2 RAWP was prepared and transmitted to Kentucky and EPA in June 2008. Kentucky and EPA provided comments on the D2 RAWP in August 2008. A D2/R1 version of the RAWP was prepared and submitted to Kentucky and EPA in September 2008. Final approval of the D2/R1 RAWP is anticipated, as indicated above.

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

Routine updates on the subproject were provided to the Paducah Site Citizens Advisory Board (CAB) and FFA managers.

**VIII. Changes in relevant personnel:**

Mike Guffey, Kentucky Department for Environmental Protection's (KDEP's) FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

None.

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**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2008**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/1/08-9/30/08**

**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):**

- The project closed the FFA Informal Dispute with EPA at the end of the last reporting period. A resolution was signed and issued on March 25, 2008, closing the informal dispute. The resolution provided the following results:
  - The Southwest Plume Site Investigation (SI) Report was discontinued without approval.
  - DOE agreed to develop a focused feasibility study (FS) for the three Southwest Plume source areas. Data from the Southwest Plume SI Report can be utilized in developing the focused FS.
  - DOE will develop a proposed plan and ROD following the completion of the focused FS.
- DOE initiated and continues developing the focused FS for the project. The focused FS is scheduled for submission in July 2009.
- DOE issued to the Trichloroethene (TCE) Degradation Team a draft of the white paper being developed to support the determination of the rate of TCE degradation at the PGDP.

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

- Continue support of Kentucky Research Consortium for Energy and the Environment (KRCEE) facilitated TCE degradation analysis.
- Continue development of a focused FS for three areas associated with the Southwest Plume.

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**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 PRS, as the DOE prime remediation contractor at the PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management.

KRCEE has been assigned the task of facilitating the TCE degradation evaluation with support from the TCE Technical Degradation Working Group that includes technical experts from DOE, EPA, Kentucky, PRS, and Performance Results Corporation.

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

All FFA parties are in agreement with the existing project extensions. Southwest Plume milestones have been realigned consistent with the informal dispute resolution and SMP negotiations.

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

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

- Focused FS for the Southwest Plume Sources.

**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):**

Not applicable.

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

Routine updates for the subproject were provided to the FFA managers.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

None.

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**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT  
FISCAL YEAR 2008**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/1/08–9/30/08**

**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):**

- Continued update of existing PGDP Sitewide Numerical Groundwater Model in support of the Dissolved-Phase Plumes, Burial Grounds Operable Unit, and other applicable projects. Periodic meetings or conference calls were held during this reporting period. The design of the updated flow model and the calibration of the revised model were completed during this reporting period.
- Continued update of the 2001 Risk Methods Documents in support of PGDP environmental restoration projects. The Human Health Risk Methods was developed up to the D1 document level during this reporting period and is pending release to EPA and Kentucky for review. The Ecological Risk Methods document update was continued during this reporting period.
- As a result of negotiations completed on informal dispute associated with the Southwest Plume SI, a remedial investigation (RI) and FS were incorporated into the baseline of the Dissolved-Phase Plumes Project, as part of project baseline schedule. Discussions for selecting baseline remedial actions for inclusion into the 2009 SMP were performed.

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

- Complete comment incorporation and development of final TCE Degradation Report concerning aerobic degradation of TCE contaminants in the Regional Gravel Aquifer (RGA) lead by the KRCEE-facilitated multidisciplined TCE Degradation Project Team.
- Make decision concerning initiation of scoping of work needed for abiotic TCE degradation based on recommendations developed by the KRCEE-facilitated multidisciplined TCE Degradation Project Team.
- Complete the updating of the Risk Methods Documents, including the Human Health and Ecological Risk volumes.
- Complete calibration of the transport component of PGDP Sitewide Numerical Model.

**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 PRS, as the DOE prime remediation contractor at the PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management. PRS also is facilitating the update of the Risk Methods Document and the Sitewide Groundwater Numerical Model.

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KRCEE has been assigned the task of facilitating the TCE degradation evaluation with support from the TCE Technical Degradation Working Group, which is comprised of representatives from DOE, EPA, Kentucky, PRS, and Performance Results Corporation.

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

The Dissolved-Phase Plume project is proceeding with planned scope by utilizing an interagency TCE Technical Degradation Working Group.

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

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

- White paper for TCE Degradation in the RGA at PGDP.
- Report on the Update of the PGDP Numerical Groundwater Flow Model.

**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:**

Routine updates on the subproject are provided to the CAB and FFA managers.

**VIII Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

None.



**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT  
FISCAL YEAR 2008**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/1/08–9/30/08**

**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):**

The Northeast Plume Containment System (NEPCS) achieved an operational efficiency of 88.7% during the reporting period of April through September 2008. During this reporting period, the NEPCS treated 38,248,600 gallons of contaminated groundwater. The average system treatment rate for the reporting period was 145.1 gal/min and was calculated assuming 100% operational uptime. Operational efficiencies for the reporting period were as follows: April, 100%; May, 100%; June, 79%; July, 54%; August, 100%; and September 2008, 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, 2008, the NEPCS has processed a total of 966,100,000 gallons of water. The monthly extraction volumes for April, May, June, July, August and September 2008 are presented in Appendix A, Table 1, of this report. This table includes a summary of the extracted water volumes and average daily rates.

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

Due to sample analysis time and the data assessment process, the analytical data included in this report lags operational data by three months. This report presents analytical data from January through June 2008.

Influent sample results, compared to the effluent (cooling tower shower) sample results, indicated that TCE was effectively removed below the operational goal of 5 parts per billion (ppb). The influent flow is a composite from two extraction wells. Influent TCE analytical data from the beginning of calendar year 2000 through the end of June 2008 are presented in Appendix B, Figure 1. Environmental samples were collected monthly from the treatment system influent and effluent for the period of January through June 2008. 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)	440	170	246
Effluent (Cooling Tower effluent)	< 1	< 1	< 1

As presented Table 2, the NEPCS continued to effectively remove TCE. The system operated with an average removal efficiency of 100% for TCE. All effluent TCE samples showed less than the 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 EW-331 had an average TCE concentration of 157 ppb, while EW-332 had an average concentration of 240 ppb.

Concentrations of technetium-99 (<sup>99</sup>Tc) in water samples collected from the EQ tank did not exceed the data quality objective of 50 pCi/L. The highest reading from the EQ tank was 25.4 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*, PRS-ENM-001, January 2008.

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

##### **Nonroutine Maintenance Activities**

On June 20 through June 23 and June 27 through July 15, the Northeast Pump and Treat System was removed from service due to electrical issues associated with the effluent flow meter from the EQ tank. System interlocks would not allow the system to be operated until the effluent flow meter was repaired. A replacement board for the flow meter was installed, and the system was returned to operation on July 15.

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**E) Effectiveness Monitoring—Monitoring Well Results**

Figures 2a, 2b, 2c, 2d, and 2e included in Appendix B, show TCE concentrations and <sup>99</sup>Tc activities in monitoring wells downgradient and upgradient and the extraction wells. Figure 3, included in Appendix B, shows locations of the monitoring wells and extraction wells.

MW292 is located approximately 1,200 ft upgradient of the pumping wells to provide an early detection point for <sup>99</sup>Tc migration. During the first and second quarters of calendar year 2008, <sup>99</sup>Tc activity at MW292 was 32.6 and 61.1 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.

**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 PRS, as the DOE prime remediation contractor at PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management.

**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 88.7% of the time during this reporting period.

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

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

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

**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.

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

None.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

**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 period between April and September 2008 was \$212,962.

**FEDERAL FACILITY AGREEMENT  
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Reporting Period: 4/1/08–9/30/08**

**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 45,140,510 gallons of contaminated groundwater with an average monthly operational efficiency of 88.1%. The average system treatment rate for the reporting period was 171.3 gal/min and was calculated assuming 100% operational uptime. Operational efficiencies for the reporting period were as follows: April, 100%; May, 63%; June, 95%; July, 82%; August, 99%; and September 2008, 98%.

**A) Process Operations**

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

**B) Process Testing**

Operation of the NWPGS began on August 28, 1995. As of September 30, 2008, the NWPGS has processed a total of 1,321,000,000 gallons of water. The monthly extraction volumes for April, May, June, July, August and September 2008 are presented in Appendix A, Table 2, of this report. This table includes a summary of the extracted water volumes and average daily rates.

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

Due to sample analysis time and the data assessment process, the analytical data included in this report lags operational data by three months. This report presents analytical data from January through June 2008.

The influent sample results, compared to the NWPGS effluent results, indicated that the NWPGS continues to effectively remove TCE and <sup>99</sup>Tc. Influent and effluent TCE and <sup>99</sup>Tc analytical data from January 2000 through June 2008 are presented in Appendix B on Figures 4a, 4b, 5a, and 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 <sup>99</sup>Tc concentrations from January through June 2008 are presented in Table 3.

**Table 3. TCE and <sup>99</sup>Tc Concentrations for Northwest Plume**

	TCE (ppb)			<sup>99</sup> Tc (pCi/L)		
	High	Low	Average	High	Low	Average
Influent	2,400	470	1,093	325	83.8	168
Effluent	4.4	1.0	1.63	38.3	-8.84	12.9

The treatment system influent, a composite from four extraction wells, was sampled weekly, and the effluent was sampled daily during this reporting period. As presented in Table 3, the NWPGS continued to effectively remove TCE and <sup>99</sup>Tc. The system operated with an average removal efficiency of 99.85% for TCE and 92.3% for <sup>99</sup>Tc.

The average TCE effluent concentration for this reporting period was 1.63 ppb, which is less than the treatment goal of 5 ppb and the existing Kentucky Pollutant Discharge Elimination System Outfall 001 TCE permit limit of 80.7 ppb. The average <sup>99</sup>Tc effluent value was 12.9 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 2008. High, low, and average sample results for this reporting period at the extraction wells are shown in Table 4.

**Table 4. TCE and <sup>99</sup>Tc Concentrations for Northwest Plume Extraction Wells**

	TCE (ppb)			<sup>99</sup> Tc (pCi/L)		
	High	Low	Average	High	Low	Average
EW-228	10	7.5	8.75	3.8	3.6	3.7
EW-229	19	7.1	15	12.5	5.5	10
EW-230	5,000	1,900	3,033	724	327	467
EW-231	200	27	113.5	69.9	18.3	44.1

**D) Treatment Media**

**Ion Exchange Resins**

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

**Activated Carbon Media**

The NWPGS is equipped with two carbon columns containing granular activated carbon for adsorption of volatile organic compounds from the vapor-phase effluent of the air stripper unit. The carbon in each column is replaced routinely. The carbon in both columns was replaced on

August 27, 2008, with recycled carbon. The current stock of recycled carbon and future utilization of recycling technology will provide an adequate supply of carbon throughout 2009.

#### **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*, PRS-ENM-0001, January 28, 2008. Instances of minor downtime occurred during the reporting period relating to power outages, maintenance, and calibration of the system.

##### **Nonroutine Maintenance Activities**

On May 20 through June 2, the NWPGS was not operational due to electrical problems associated with the air blower motor on the air stripper. Repairs on the air blower motor were completed on June 2, and the NWPGS was returned to operation.

On July 25 through July 30, the NWPGS was removed from service to support a video camera inspection of extraction wells EW228 and EW229. The inspection of the wells identified no issues with EW228 and revealed silting of the lower screened interval and sump in EW229. Maintenance to remove the silt from EW229 is planned for the next reporting period. Due to the age of the pump and motor, the pump and motor for EW 229 also were replaced. The NWPGS was returned to operation on July 30, with the exception of extraction well EW229, which was returned to service on September 26, 2008.

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

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

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

There were no modifications of the NWPGS operations or configuration during the reporting period.

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

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

**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 PRS, as the DOE prime remediation contractor at the PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management.

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

The average NWPGS water effluent concentrations met the operational goals of 5 ppb for TCE and 900 pCi/L for <sup>99</sup>Tc during the reporting period. The NWPGS has remained operational 88.1% of the time during this reporting period.

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

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

The *Operations and Maintenance Plan for the Northwest Plume Groundwater System Interim Remedial Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-1253&D4, was revised to reflect comments received from KDEP. The document was forwarded to DOE/Kentucky Division of Waste Management for final approval. Proposed changes include reduced sampling frequencies at the Northwest Plume.

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

The approved O&M Plan revision was completed which incorporated comments received from Kentucky Division of Waste Management. Final approval by EPA of the document is pending.

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

No future operational problems or delays are anticipated.

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

The Water Withdrawal Reports for April, May, June, July, August, and September 2008 were submitted in their respective months to the Kentucky Division of Water.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

**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 period between April and September 2008 was \$212,962.



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**BURIAL GROUNDS OPERABLE UNIT**

The scope of this project includes an RI, BRA, 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: C-749 [Solid Waste Management Unit (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, which includes the area beneath SWMU 12); the residential/inert borrow area (SWMU 145); C-746-P/P1 Clean Scrap Yard (SWMU 13) and any additional disposal areas that might exist beneath the scrap yards; and the C-746-S&T Landfills (SWMUs 9 and 10).

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

The D1 RI Report was submitted to the regulators on July 25, 2008, for review. A presentation of the contents of the RI Report was given to the regulators on September 17, 2008. Scoping for FS has begun.

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

- Development of the FS Report is in process with a D1 milestone date of July 2, 2009.
- Sampling plan for further investigation of metal detected in C-746-P/P1 Scrap Yards (SWMU 13) will be submitted for regulatory review in October 2008.

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

Responsibility for the day-to-day operations of Burial Grounds Operable Unit belongs to PRS, as the DOE prime remediation contractor at the PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management.

**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 during this reporting period:**

RI Report.

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

D1 FS due July 2, 2009.

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

This project is scheduled for a 2019 completion of site cleanup activities.

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

On August 21, 2008, a CAB working session was briefed on the D1 RI Report. Regulators were briefed, as needed, on progress or issues.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

None.

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**SURFACE WATER OPERABLE UNIT**

The Surface Water Operable Unit (SWOU) includes Sections 1 and 2 of the North-South Diversion Ditch (NSDD), Scrap Metal, Surface Water (On-Site), and Surface Water (Offsite) projects. Additionally, O&M is performed on NSDD Sections 1 and 2 and Institutional Controls for Surface Water, 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, respectively. Inspection reports are filed in the Document Management Center, managed by Swift & Staley Team. The estimated annual cost of this O&M is \$94K.

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**SURFACE WATER OPERABLE UNIT PROJECT: Scrap Metal Removal**

- I. Work performed during the reporting period (including summaries of findings and any deviations from the work plan):**
- Received Kentucky comments on the D1 Removal Action Report (RAR) for Scrap Metal on March 24, 2008.
  - Received EPA comments on the D1 RAR on April 1, 2008.
  - Revised and submitted the D2 RAR, along with the Comment Response Summary on the D1 RAR to EPA and Kentucky for review and approval on May 9, 2008.
  - Received EPA approval of the D2 RAR on May 20, 2008.
  - Received KDWM approval of the D2 RAR on June 2, 2008.
- II. Schedules of activities to be performed during the next reporting period (including projected work/ crucial phases of construction):**
- None.
- III. Identity and assigned tasks of DOE contractors for work to be performed for this project:**
- PRS provides programmatic and technical support and business management.
- 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:**
- D2 Removal Action Report (Secondary Document) for Scrap Metal.

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

- D2 RAR was due by DOE to regulators by May 16, 2008 (actual submittal date was May 9).
- Approval of D2 was due from regulators by June 9, 2008 (Kentucky approval date was May 20; EPA approval date was June 2).

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

None.

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

Routine updates on the subproject were provided to the CAB and FFA managers.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

O&M costs include craft labor to inspect, in-line monitor, and discharge the C-613 Basin, as well as any discrete maintenance repairs that may be required, such as potential repairs of the high-density polyethylene basin liner or a pump. Cost is estimated at approximately \$20K.

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**SURFACE WATER OPERABLE UNIT PROJECT: SWOU On-Site Investigation**

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

Comments were received on the D1 SWOU Engineering Evaluation/Cost Analysis (EE/CA) on April 23, 2008, and June 3, 2008, from EPA and Kentucky, respectively. Comments were addressed, and the D2 SWOU EE/CA was issued to EPA and Kentucky on August 25, 2008, for final comment and/or approval. Approval of the D2 EE/CA by the regulators is anticipated on October 2, 2008. A Public Notice was drafted and will be issued upon regulatory approval of the D2 SWOU EE/CA. Comments received from the public will be incorporated into the D2 SWOU EE/CA and the D1 SWOU Action Memorandum (AM), as appropriate. The D1 SWOU AM is being drafted and has a current enforceable milestone date of October 8, 2008. A formal milestone modification request was submitted on 9/30/2008 asking that the SMP milestone dates for the D1 SWOU AM and the D1 SWOU RAWP be extended to December 6, 2008, and April 5, 2009, respectively to reflect the extension requests by EPA, Kentucky, and DOE.

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

- Continue to work closely with EPA and Kentucky to obtain final approval of the D2 SWOU EE/CA.
- Issue the Public Notice for review of the approved D2 SWOU EE/CA.
- Obtain public comments on the D2 SWOU EE/CA, incorporate comments, as appropriate, and issue the D1 SWOU Action Memorandum for regulatory review and approval by December 6, 2008.
- Prepare the D1 SWOU RAWP for issuance to the regulators by April 5, 2009.

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

Responsibility for the day-to-day operations belongs to PRS, as the DOE prime remediation contractor at the PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management.

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

Multiple extensions for document reviews and submittals have been requested by EPA, Kentucky, and DOE. Extension requests have impacted due dates for subsequent documents and impacted project milestones.

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

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

- Issuance of D2 SWOU EE/CA
- Issuance of the Public Notice
- Preparation of the D1 SWOU Action Memorandum
- Preparation of the D1 SWOU RAWP

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

D1 SWOU Action Memorandum—Issue for regulatory review October 8, 2008. (Current date will be modified based upon extension request to December 6, 2008.)

D1 SWOU RAWP—Issue for regulatory review February 5, 2009. (Current date will be modified based upon extension request to April 5, 2009.)

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

Extension requests to review documents have delayed document approvals and resulted in impacts to project milestones. The project has experienced a nine-month delay associated with the approval of the SWOU SI/BRA and a 133-day delay associated with issuance of the D2 SWOU EE/CA. These schedule impacts have a compounding effect, resulting in schedule impacts to subsequent documents, which routinely are performed in sequence. These schedule impacts will result in delays in the implementation of fieldwork and resulted in the approved FFA modification of the completion milestone from September 30, 2017, to December 13, 2017.

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

Routine updates on the subproject are provided to the CAB and FFA managers.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

None.



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**SOILS OPERABLE UNIT**

This project includes a removal action coordinated with an RI, BRA, evaluation of cleanup alternatives, remedy selection, and implementation of necessary response actions. The scope of the Soils Operable Unit (SOU) is intended to address primarily those units where contamination is believed to be confined to shallow soil horizons, units currently not being addressed by the accelerated actions, and units that require additional characterization. The scope of the SOU RI will include a multimedia evaluation (e.g., groundwater, surface water) to ensure that all exposure pathways for the subject units are assessed adequately to support cleanup decisions.

The SOU also includes (1) the Soils Inactive Facilities that include the removal of portions of the C-218 Firing Range, the C-410-B Sludge Lagoon, and the C-403 Neutralization Pit; and (2) the Soil/Rubble Areas that include conducting a site evaluation of the identified areas, developing site evaluation reports, and implementing a removal action, if necessary, to address areas of contamination with unacceptable risk.

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**SOILS OPERABLE UNIT PROJECT: Sitewide Soils**

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

Comments on the SOU RI/FS Scoping Document were received from the regulators and were incorporated into the Soils RI/FS Work Plan to be issued by November 18, 2008. The work plan currently is being finalized and has a milestone date of March 12, 2009.

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

- Issue the D1 RI/FS Work Plan to the regulators for review.

**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 belongs to PRS, as the DOE prime remediation contractor at the PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management.

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

The regulatory requirements and time schedules are being met.

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

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

The D1 SOU RI/FS Work Plan currently is being finalized for submittal to the regulators.

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

D1 SOU RI/FS is due March 12, 2009.

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

None.

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

Routine updates on the subproject are provided to the CAB and FFA managers.

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**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

None.

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**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):**

Issued the D2 Soils Inactive Facilities EE/CA to the regulators on July 28, 2008. Approval of the D2 Soils Inactive Facilities EE/CA was received from EPA and Kentucky on September 3, 2008, and September 4, 2008, respectively. The Public Notice was issued on September 7, 2008. Comments are due from the public on October 7, 2008, for incorporation into the D2 Soils Inactive Facilities EE/CA and the D1 Soils Inactive Facilities Action Memorandum, as appropriate. The D1 Soils Inactive Facilities Action Memorandum currently is being drafted and has an enforceable milestone date of December 10, 2008.

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

Obtain public comments on the D2 Soils Inactive Facilities EE/CA and incorporate comments, as appropriate.

Issue the D1 Soils Inactive Facilities Action Memorandum for regulatory review and approval.

Prepare the D1 Soils Inactive Facilities RAWP.

**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 PRS, as the DOE prime remediation contractor at the PGDP. In addition PRS also provides programmatic and technical support, analytical services, and business management.

**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:**

- Issuance of D2 Soils Inactive Facilities EE/CA
- Issuance of the Public Notice
- Issuance of the D1 Soils Inactive Facilities Action Memorandum
- Preparation of the D1 Soils Inactive Facilities RAWP

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

The SMP milestone for the D2 Soils Inactive Facilities Action Memorandum is December 10, 2008. Due dates for subsequent documents follow the standard FFA timeline.

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

None.

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

Routine updates on the subproject are provided to the CAB and FFA managers.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

None.

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**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):**

- Issued and obtained approval on Addendum 1-B to the Sampling and Analysis Plan (SAP) for Soil Piles at the Paducah Gaseous Diffusion Plant (PGDP) (DOE/LX/07-0015/1B&D2).
- Issued and obtained approval on Addendum 2 to the (SAP) for Soil Piles at the PGDP (DOE/LX/07-0015/A2&D2).
- Issued the D1 Soil Pile I Site Evaluation and SWMU Assessment Report to Kentucky and EPA.
- Issued the D2 SAP for Rubble Areas at the PGDP (DOE/LX/07-0060&D2) to Kentucky and EPA for approval.
- Initiated soil sampling for Addendum 2.

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

- Obtain approval of the Soil Pile I Site Evaluation and SWMU Assessment Report
- Obtain approval on the Rubble Area SAP
- Complete sampling of the Rubble, Addenda 1-B and 2 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 Inactive Facilities and the Soil and Rubble Areas belongs to PRS, as the DOE prime remediation contractor at the PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management.

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**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 SAP. The project currently is behind schedule due to multiple review and extension requests.

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

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

- Soil Pile I Site Evaluation and SWMU Assessment Report
- SAP for Rubble Areas

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

- In accordance with the February 16, 2007, Notification letter for soil and rubble areas.

**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 Addendum 1-A impacted implementation of the Addenda 1-B and 2 fieldwork. The two addenda were approved during this time period however, and fieldwork commenced in September 2008.

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

Routine updates on the subproject are provided to the CAB and FFA managers. DOE updated the local media on background information and the planned activities for the new soil and rubble areas identified in November 2006.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

None.



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**DECONTAMINATION AND DECOMMISSIONING OPERABLE UNIT**

The scope of this project includes decontamination and decommissioning (D&D) of the C-410 and C-340 facilities, as well as the other 17 inactive DOE facilities, assuming the use of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) removal actions implemented in accordance with the FFA. In instances where facilities do not have a known or potential release, DOE may decommission the facility as a non-CERCLA demolition action.

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

- Continued asbestos abatement as a part of D&D activities in the C-410 Complex in multiple areas using glovebag techniques and enclosures. Accessible asbestos was removed in Sectors 2, 3, 4, 5, 6, and 7, and work continued in the final sector (Sector 8).
- Accessible asbestos abatement in Sectors 5, 6, and 7 was completed during this reporting period.
- Abated approximately 38,000 linear ft of asbestos thermal surfacing insulation to date, with approximately 6,000 linear ft abated during this reporting period. Additionally, over 6,500 ft<sup>2</sup> of asbestos containing transite or asbestos insulation on tanks or other large equipment has been removed.
- Shipped approximately 6,700 ft<sup>3</sup> of low-level waste asbestos debris and low-level waste polychlorinated biphenyl bulk product debris from the C-410 Complex to *EnergySolutions* for disposal.
- Disposed of 90 ft<sup>3</sup> of waste from the C-405 Incinerator at *EnergySolutions* in Utah.
- Completed demolition of the C-746-A West End Smelter and sealing of slab.
- Disposed of over 14,000 ft<sup>3</sup> of debris from the demolition of the West End Smelter at the C-746-U Landfill.
- Submitted D1 Removal Action Completion Report for the C-405 Incinerator and D1 Removal Action Completion Report for C-746-A West End Smelter. Received Regulatory agency comments on both reports, and resolution underway.

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

- Complete asbestos abatement in Sector 8 of the C-410 Complex.

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- Initiate stabilization and removal of fluorine, hydrogen fluoride, and hydrogen systems in the C-410 Complex.
- Continue collection, sorting, and packaging of stored material inside C-410 Complex for disposition.
- Submit D2 Removal Action Completion Report for the C-746-A West End Smelter Demolition.
- Submit D2 Removal Action Completion Report for C-405

**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 PRS, as the DOE prime remediation contractor at the PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management.

**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:**

D2 of C-405 Removal Action Completion Report and C-746-A West End Smelter Removal Action Completion Report are 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 to report at this time.

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

Routine updates on the subproject were provided to the CAB, FFA managers, and D&D Tri-Party Working Group.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

None.

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2008**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/1/08–9/30/08**

**COMPREHENSIVE SITEWIDE OPERABLE UNIT**

Presented in this operable unit 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 FOR THE  
SECOND HALF OF FISCAL YEAR 2008**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/1/08–9/30/08**

**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 WAGs 1 and 7 ROD. The results of the groundwater monitoring are reported in Appendix C.

**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.

Maintenance was completed related to repair of the rip rap that had eroded from the stream bank at the C-746-K Landfill.

**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 PRS, as the DOE prime remediation contractor at the PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management.

**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:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

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

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2008**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/1/08–9/30/08**

**PROJECT: Community Relations Plan**

- I. Work performed during the reporting period (including summaries of findings and any deviations from the work plan):**
- None.
- II. Schedules of activities to be performed during the next reporting period (including projected work/crucial phases of construction):**
- Appendix A of the CRP will be modified to update the list of key contacts for the PGDP. Several changes have occurred since the CRP was approved (e.g., FFA managers), and these changes need to be reflected in the Appendix.
- 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 PRS, as the DOE prime remediation contractor at the PGDP.
- IV. Statement of the manner and extent to which the requirements and time schedules are being met:**
- Not applicable.
- V. Primary/Secondary Document Tracking System:**
- A) Documents under review and/or preparation for this reporting period:**
- None.
- B) Due dates for completion of review/modification tasks:**
- None.
- VI. Anticipated problems/delays (provide summary of problems, schedule, reason for delay, and actions taken to prevent or mitigate delay):**
- None.
- VII. Summary of all contacts with local community, public interest groups, or state government:**
- None.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

Not applicable.



**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2008**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/1/08–9/30/08**

**PROJECT: Site Management Plan**

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

DOE requested a 30-day extension to submit the D2 SMP FY2008 in order to adequately respond to comments received from Kentucky on March 14, 2008 and from EPA on May 12, 2008. The FFA managers met on June 17 and 18, 2008, to determine an appropriate path forward for the FY 2008 SMP and begin defining expectations for the FY 2009 SMP. The D2 SMP FY 2008 was issued on June 28, 2008. Appendix 5 of the SMP was modified based on verbal comments received from EPA and Kentucky on the June 28 submittal. The modified Appendix 5 was sent to EPA and Kentucky on July 17, 2008. The D2 SMP FY 2008 was approved by Kentucky on July 29, 2008; EPA approved it on July 31, 2008.

During this period the FFA managers also held several meetings to scope the FY 2009 D1 SMP. Specific information discussed includes the scope and schedule assumptions that feed into Appendix 3 and Appendix 5 of the SMP and development of the draft language to be included in the FY 2009 D1 SMP.

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

Complete development of D1 SMP FY 2009 and transmit to EPA and Kentucky by November 15, 2008, 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 PRS, as the DOE prime remediation contractor at the PGDP. In addition, PRS also provides programmatic and technical support, analytical services, and business management.

**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. The D1 SMP FY 2009 is on schedule to be submitted by its due date.

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

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

- The D1 SMP FY 2009 has been under development during this reporting period.

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

- D1 SMP FY 2009 is due November 15, 2008.
- Comments on the D1 SMP FY 2009 are due to DOE within 30 days from the document being issued or December 15, 2008.
- D2 SMP FY 2009, if needed, will be due to EPA and Kentucky within 15 days of receipt of their comments on the D1 SMP FY 2009.

**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:**

No briefings were held during this reporting period.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

Not applicable.

**FEDERAL FACILITY AGREEMENT  
SEMIANNUAL REPORT FOR THE  
SECOND HALF OF FISCAL YEAR 2008**

**Facility: Paducah Gaseous Diffusion Plant  
Plant EPA I.D. No.: KY8-890-008-982  
Reporting Period: 4/1/08–9/30/08**

**PROJECT: CERCLA Waste Disposal Alternatives Evaluation**

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

DOE issued a scoping document for this project to Kentucky and EPA on April 7, 2008. The three FFA parties held a scoping planning teleconference on April 30 to develop a sequence and schedule for preliminary scoping topic discussions. Three topic-specific scoping discussions occurred in early June 2008 to determine if data needs would be satisfied by utilizing data collected during the earlier evaluation that ended in 2004. In accordance with the FFA, following submittal of a scoping document, a project scoping meeting was held in Paducah on June 19, 2008. The FFA parties agreed upon two alternatives to be evaluated in the upcoming FS, potential data gaps were identified, and the CERCLA regulatory document framework was developed. Additional topic-specific scoping discussions were held in July 2008 after the scoping meeting to determine if data gaps were present for seismic issues, hydrologic data, and groundwater modeling. DOE received comments on the scoping document from EPA and Kentucky, the last of which were received on August 13, 2008. DOE requested a 17-day extension, extending the due date from the original date of September 27, 2008 to a revised date of October 14, 2008.

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

Issue responses to scoping document comments to Kentucky and EPA by October 14, 2008. Conduct public involvement meetings to solicit public input during the CERCLA waste disposal evaluation process. Issue a draft RI/FS Work Plan to Kentucky and EPA for review and comment.

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

PRS and subcontractors provide technical support to DOE for this project.

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

The submittal of a D1 RI/FS Work Plan was delayed temporarily due to additional scoping discussions. The additional scoping discussions are being held to resolve technical issues prior to submittal of the work plan. Following submittal of the work plan, the standard FFA review and comment periods for primary documents will apply.

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

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

- Finalization of responses to regulator comments on the Scoping Document.
- Development of a draft RI/FS Work Plan.

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

DOE will submit the final responses to scoping document comments by October 14, 2008.

**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:**

The CAB was briefed during monthly meetings in earlier stages of the project. An initial public meeting is planned for the first quarter of FY 2009. Additional public meetings, as needed, will be scheduled in subsequent months.

**VIII. Changes in relevant personnel:**

Mike Guffey, KDEP's FFA manager assigned to Paducah, has retired. Edward Winner was assigned as his replacement.

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

Not applicable.

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

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**TABLE 1. NORTHEAST PLUME CONTAINMENT SYSTEM  
WATER WITHDRAWAL REPORTING FORM (gallons of water pumped)**

Day	April 2008	May 2008	June 2008	July 2008	August 2008	September 2008
1	290,000	159,700	283,133	0	210,333	268,925
2	282,400	339,200	277,600	0	210,333	146,400
3	306,100	0	234,200	0	210,333	262,600
4	275,633	0	161,200	0	426,900	278,100
5	275,633	269,100	164,100	0	264,900	261,967
6	275,633	283,200	14,833	0	264,400	261,967
7	284,100	286,500	14,833	0	262,300	261,967
8	273,500	293,300	14,833	0	267,000	268,700
9	302,600	284,600	262,400	0	267,000	193,000
10	256,100	284,600	183,300	0	267,000	255,500
11	166,300	284,600	283,000	0	285,000	266,500
12	0	273,000	273,700	0	230,200	174,800
13	0	270,100	37,767	0	267,800	174,800
14	296,100	259,400	37,767	0	250,700	174,800
15	155,100	280,400	37,767	254,200	115,400	259,400
16	288,100	267,633	260,400	268,100	115,400	308,300
17	130,200	267,633	273,500	264,700	115,400	144,600
18	159,267	267,633	271,100	264,167	259,900	262,500
19	159,267	258,800	282,200	264,167	266,000	265,033
20	159,267	253,500	0	264,167	255,800	265,033
21	287,500	294,900	0	277,800	272,700	265,033
22	125,300	243,000	0	247,500	266,800	272,900
23	288,200	268,575	278,600	166,500	266,800	263,600
24	307,500	268,575	243,800	125,800	266,800	273,100
25	293,400	268,575	263,500	192,033	262,400	257,500
26	293,400	268,575	149,000	192,033	225,900	274,667
27	293,400	277,400	0	192,033	289,800	274,667
28	303,600	258,500	0	267,500	261,700	274,667
29	288,300	244,600	0	115,900	268,925	225,600
30	301,900	283,133	0	226,400	268,925	262,400
31	na	283,133	na	272,600	268,925	na
Monthly Total	7,117,800	7,841,867	4,302,533	3,855,600	7,731,775	7,399,025
*Daily Average	237,260	252,963	143,418	124,374	249,412	246,634
Days water pumped	30	31	30	31	31	30

\*Value based on number of days water was pumped

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A-3

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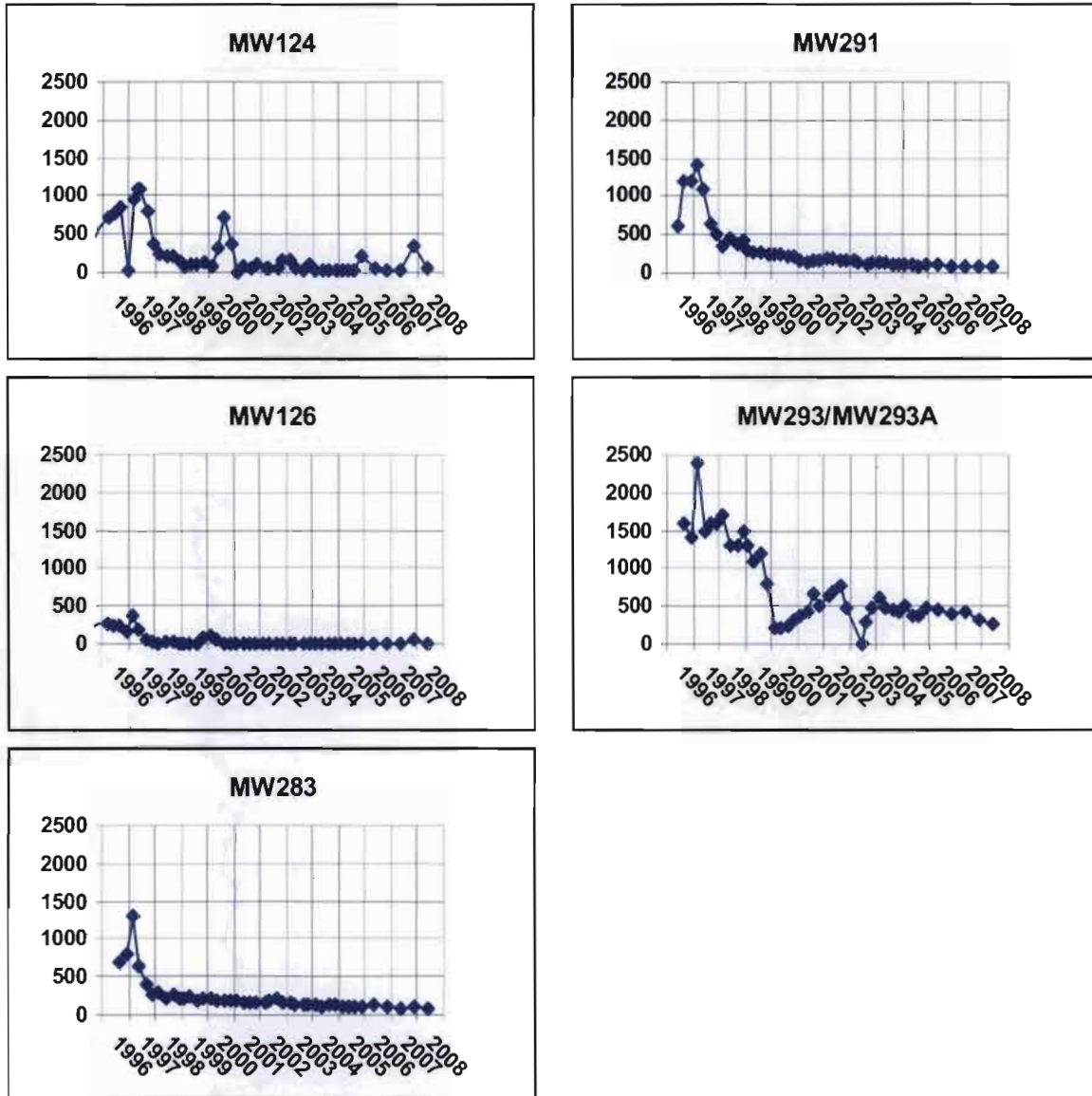
**APPENDIX B**

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

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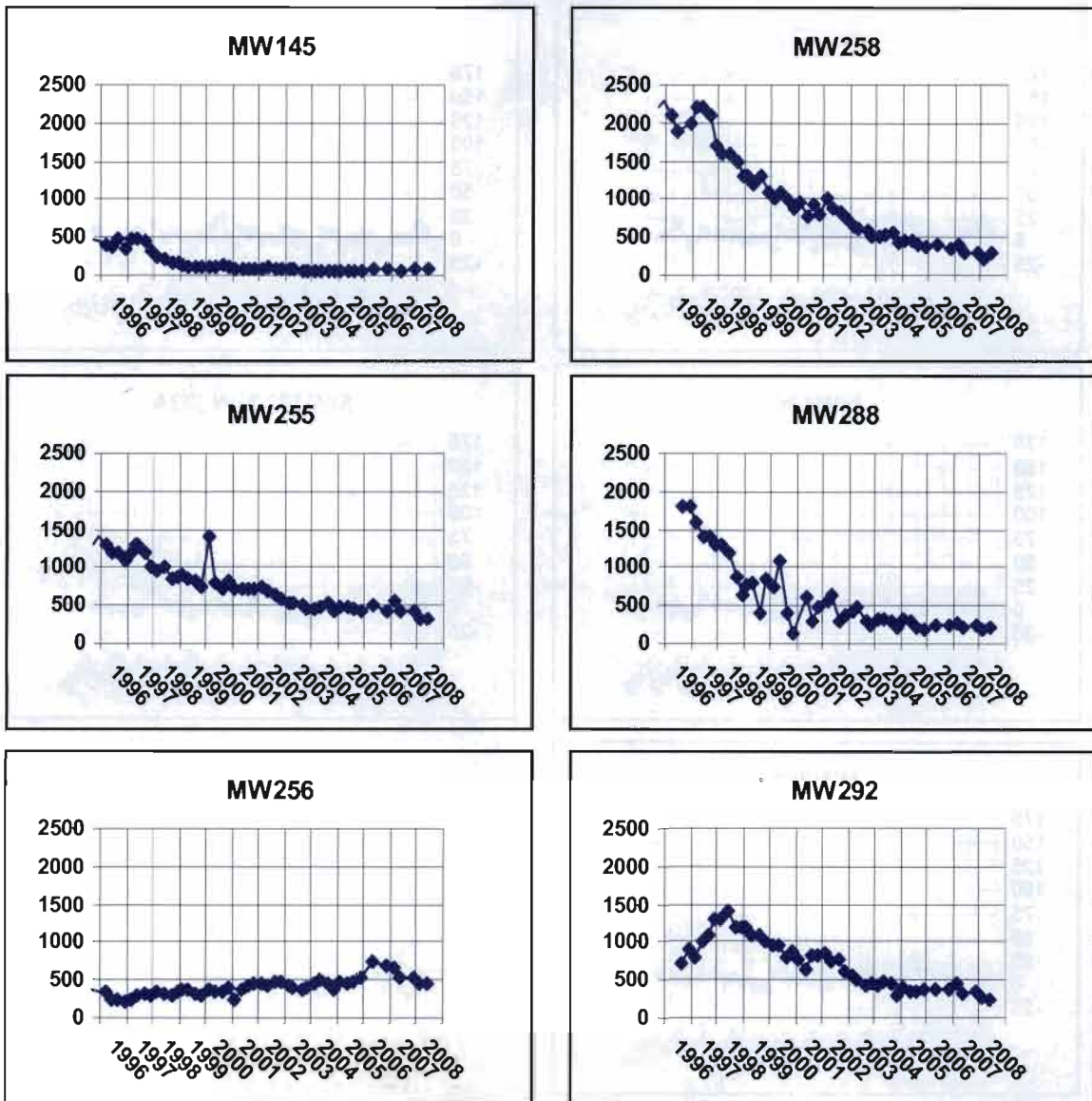
TCE (ppb)



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

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

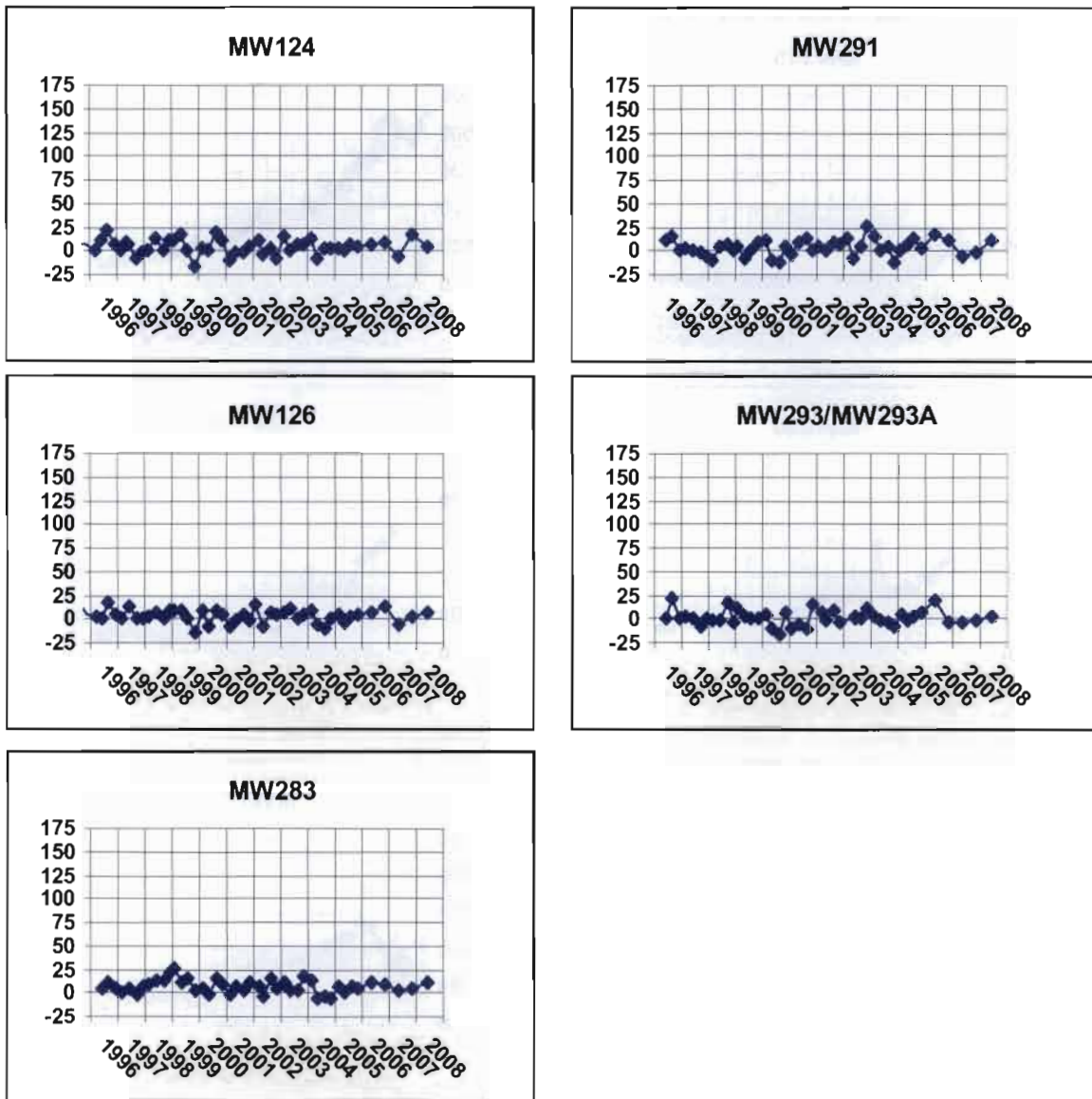
TCE (ppb)



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

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

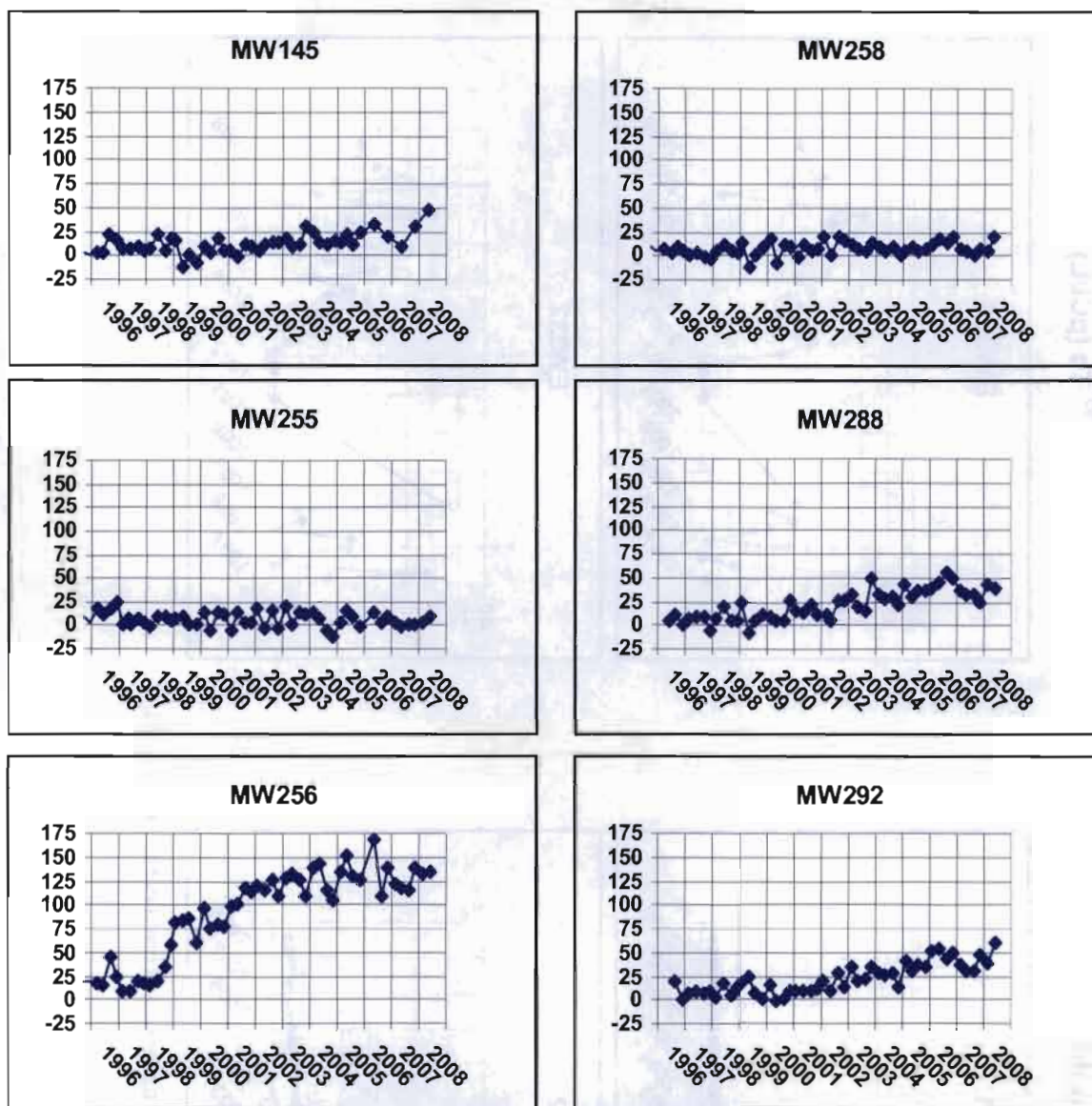
Tc-99 (pCi/L)



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

Figure 2c. Northeast Plume—Tc-99 Activities in Downgradient Wells

Tc-99 (pCi/L)



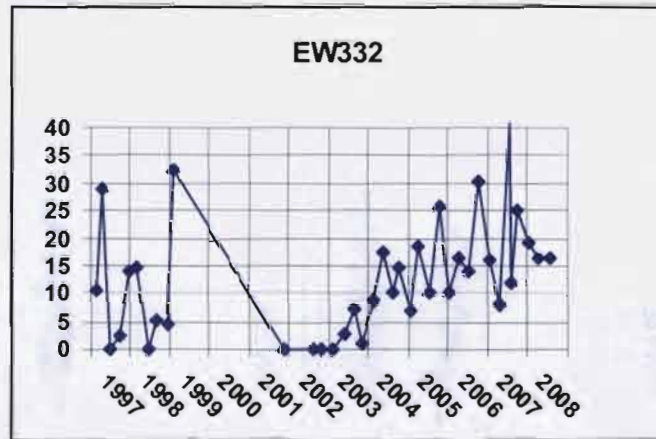
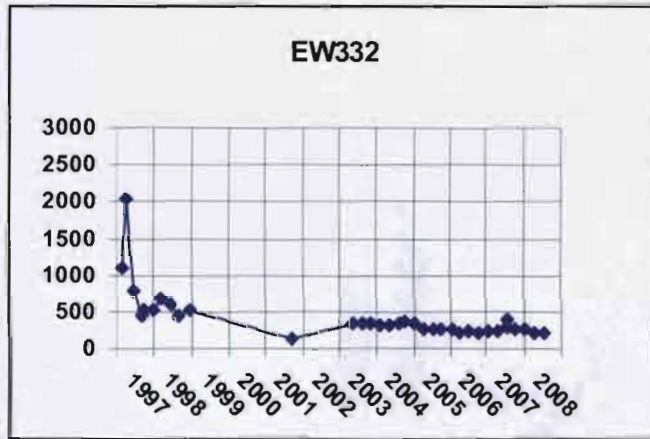
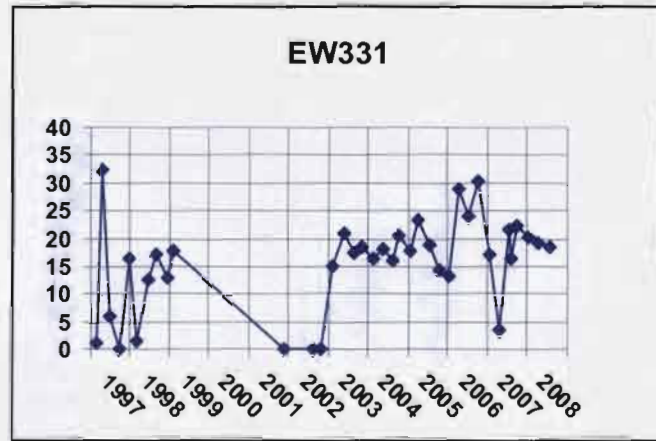
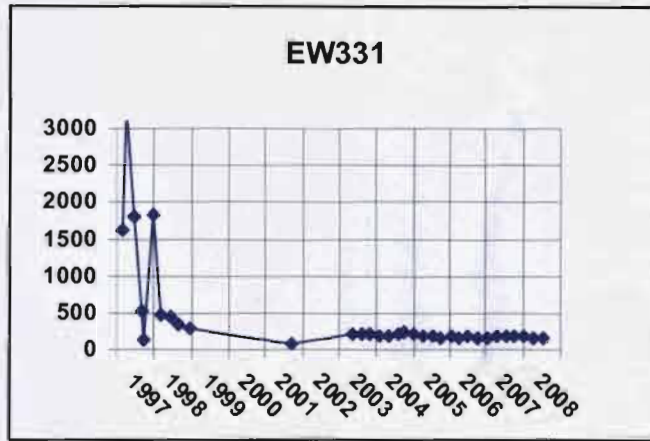
NOTE: Data rejected by validation or assessment have not been graphed.

Figure 2d. Northeast Plume—Tc-99 Activities in Upgradient Wells

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TCE (ppb)

<sup>99</sup>Tc (pCi/L)



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

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Figure 2e. Northeast Plume—TCE Concentrations and Tc-99 Activities in Extraction Wells



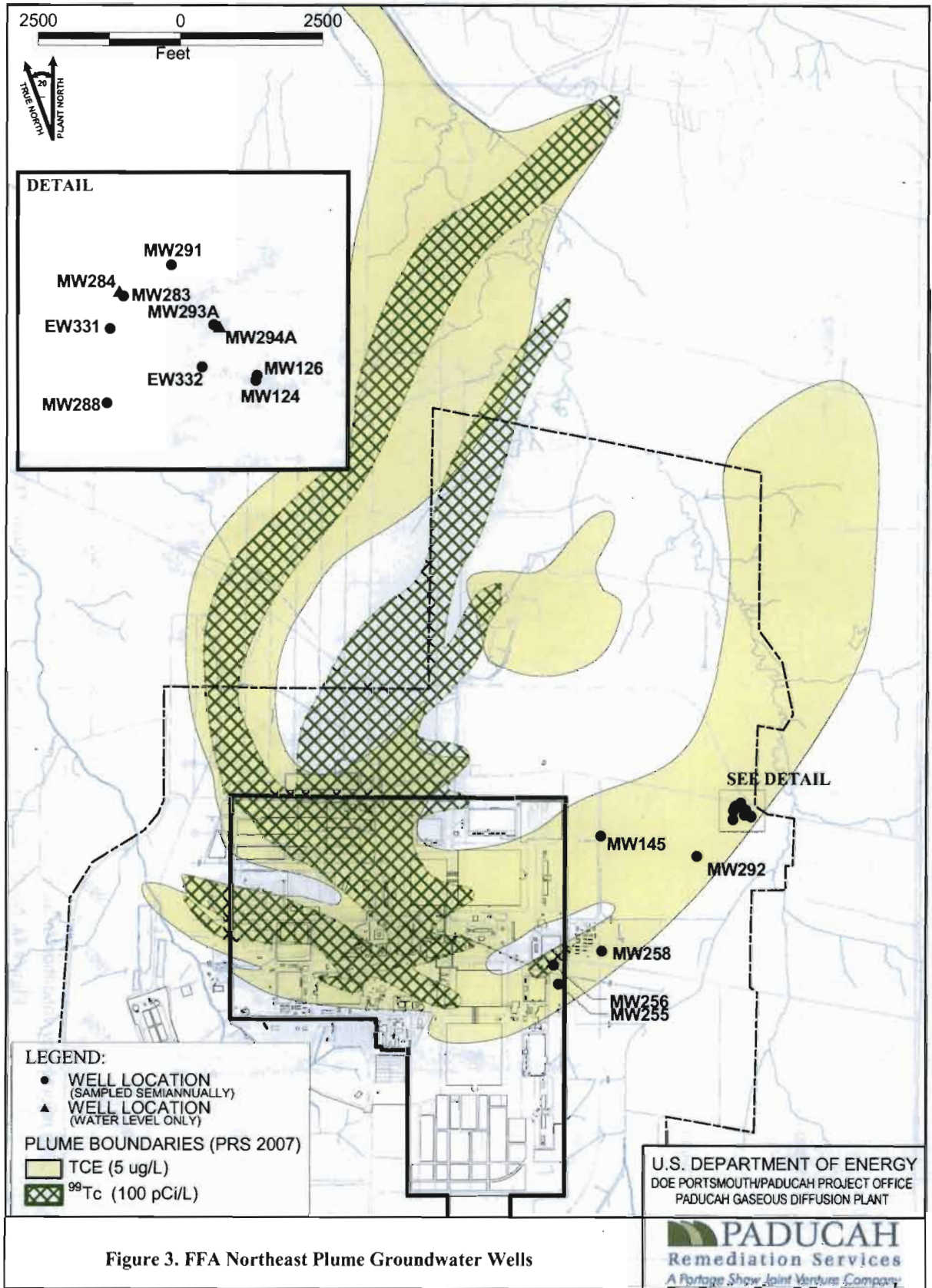
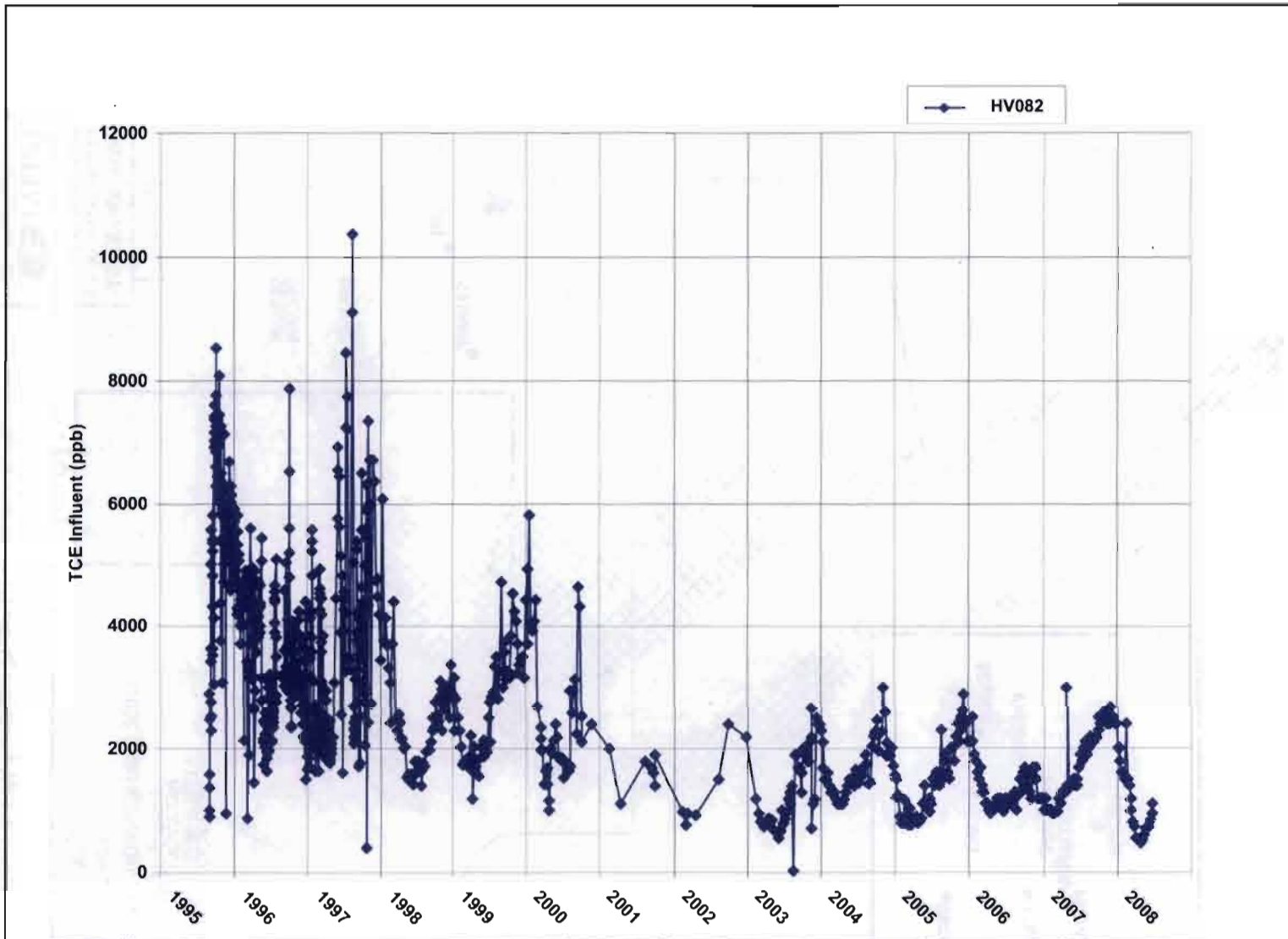


Figure 3. FFA Northeast Plume Groundwater Wells

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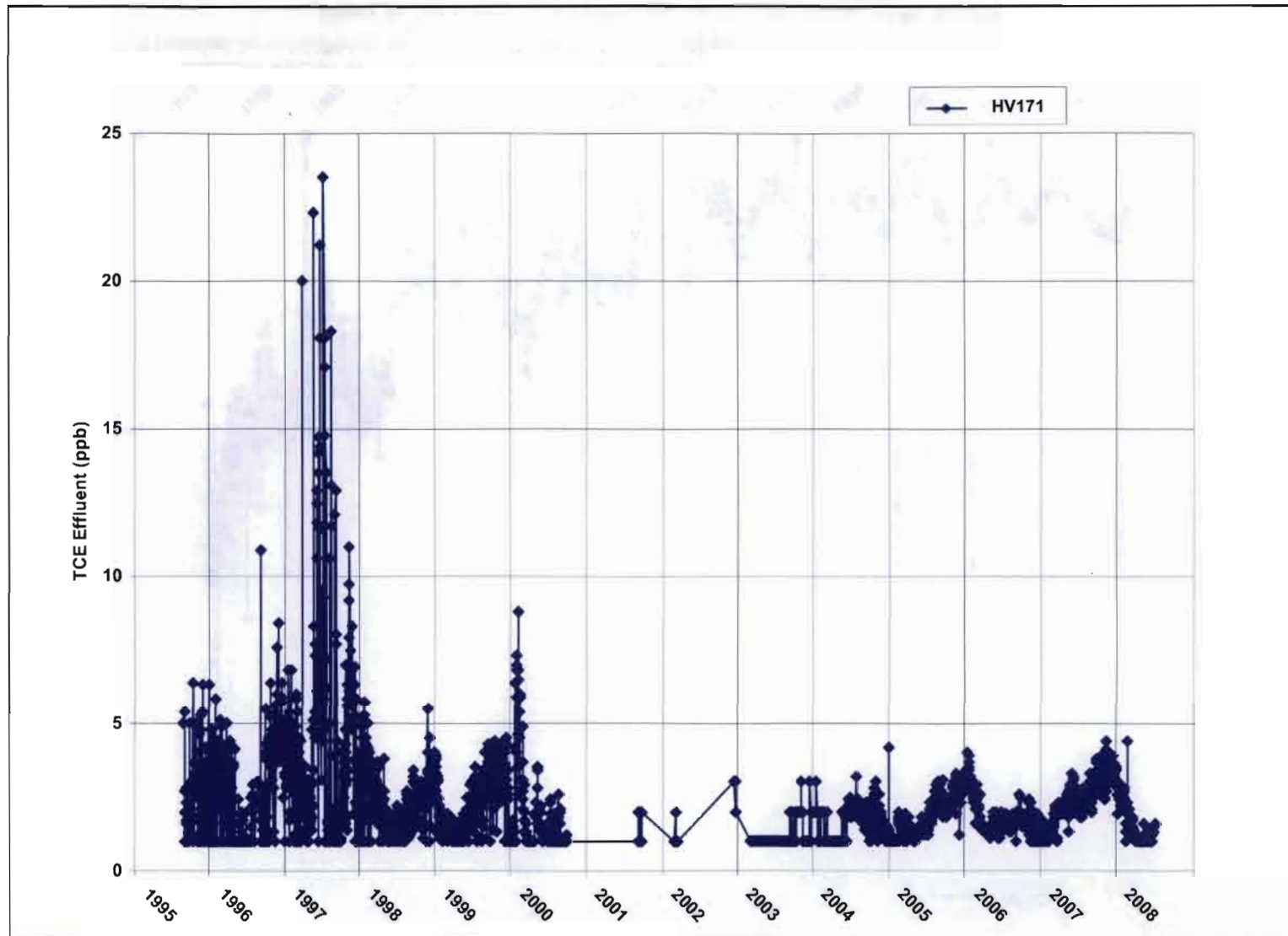


NOTE: Data rejected by validation or assessment have not been graphed.

Figure 4a. Northwest Plume Groundwater System Influent TCE Concentrations

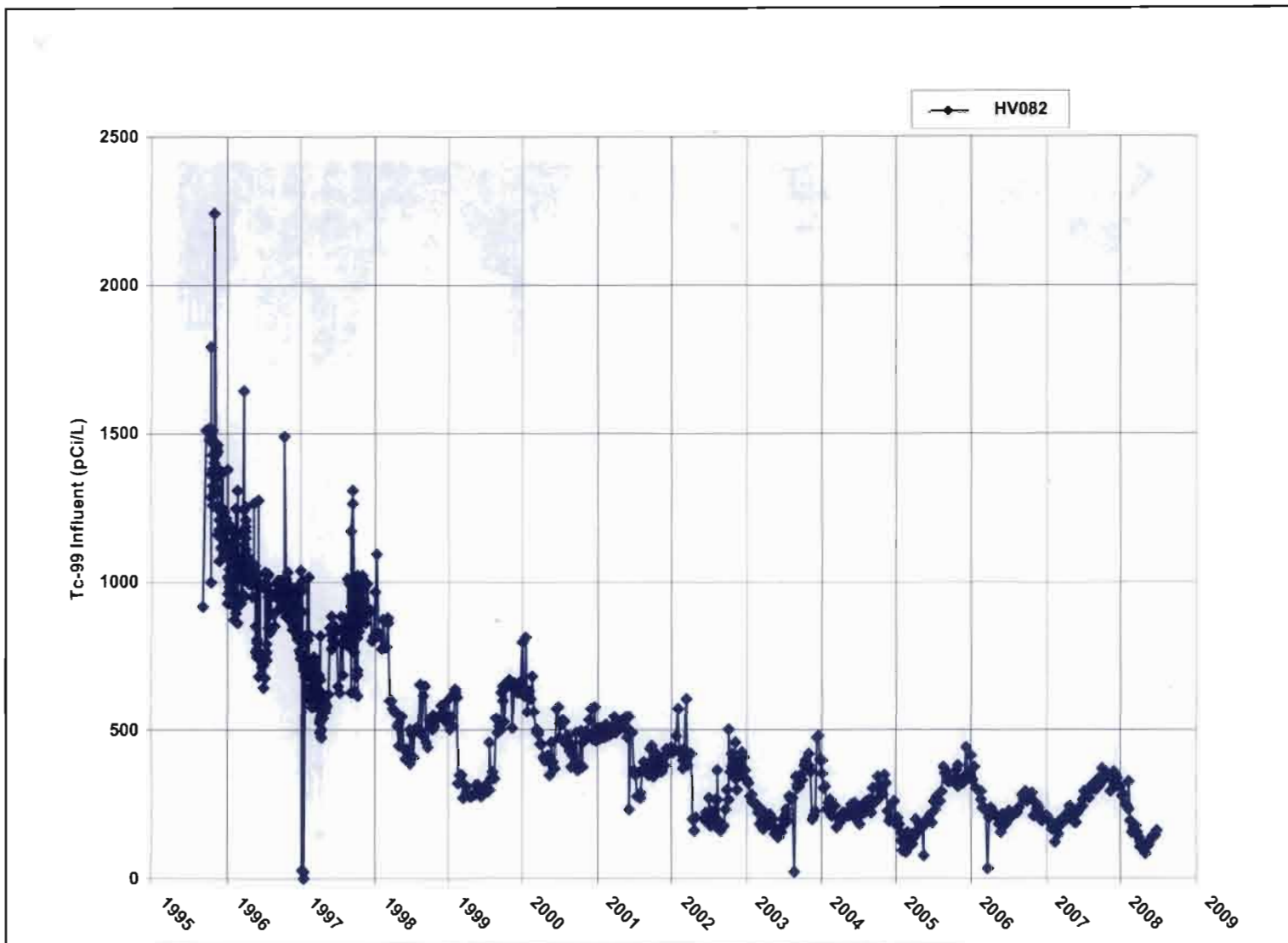
74

B-11



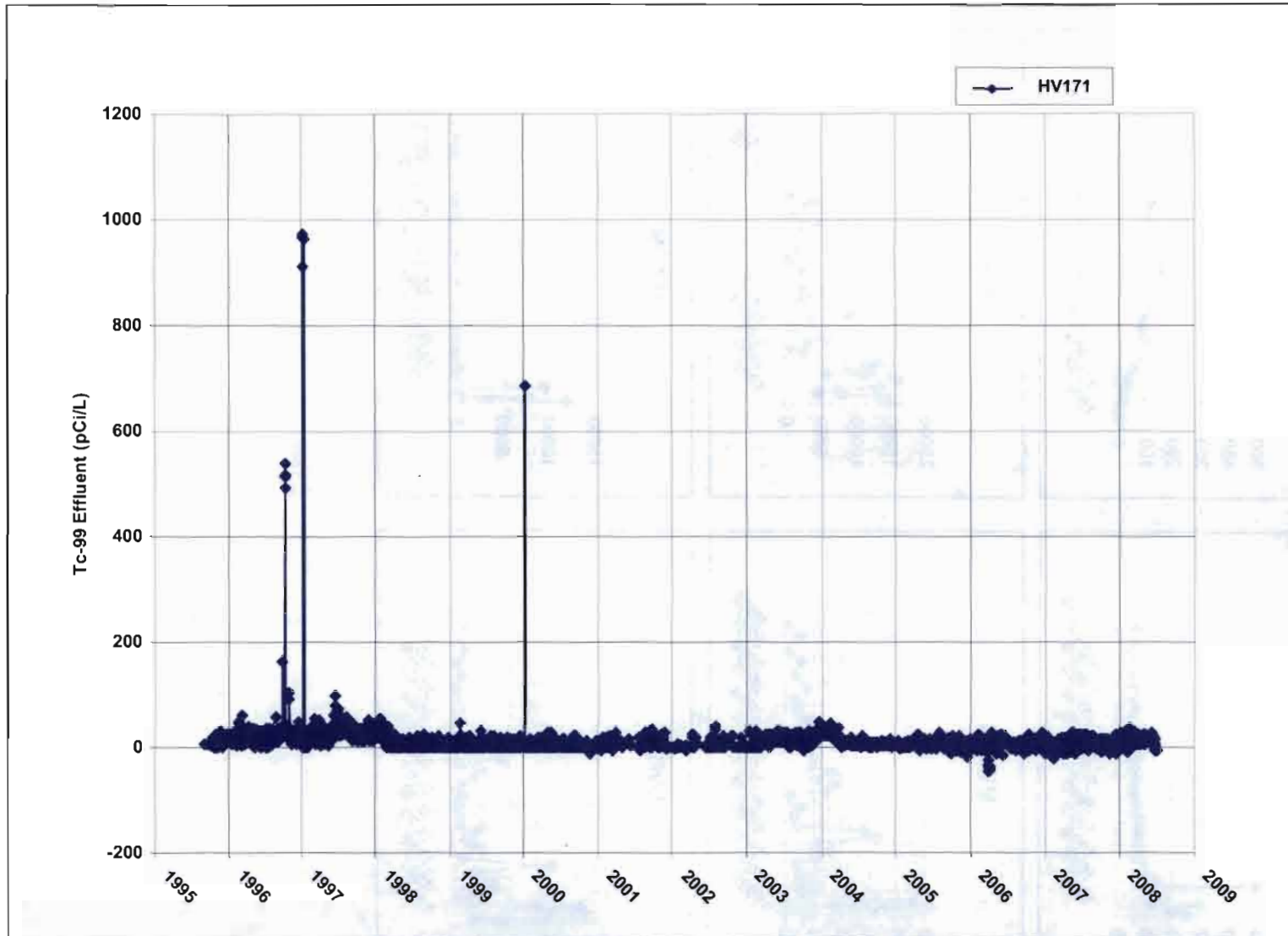
NOTE: Data rejected by validation or assessment have not been graphed.  
Sample result of 280 ug/L collected 9/6/1995 not plotted.

Figure 4b. Northwest Plume Groundwater System Effluent TCE Concentrations



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

Figure 5a. Northwest Plume Groundwater System Influent Tc-99 Activity

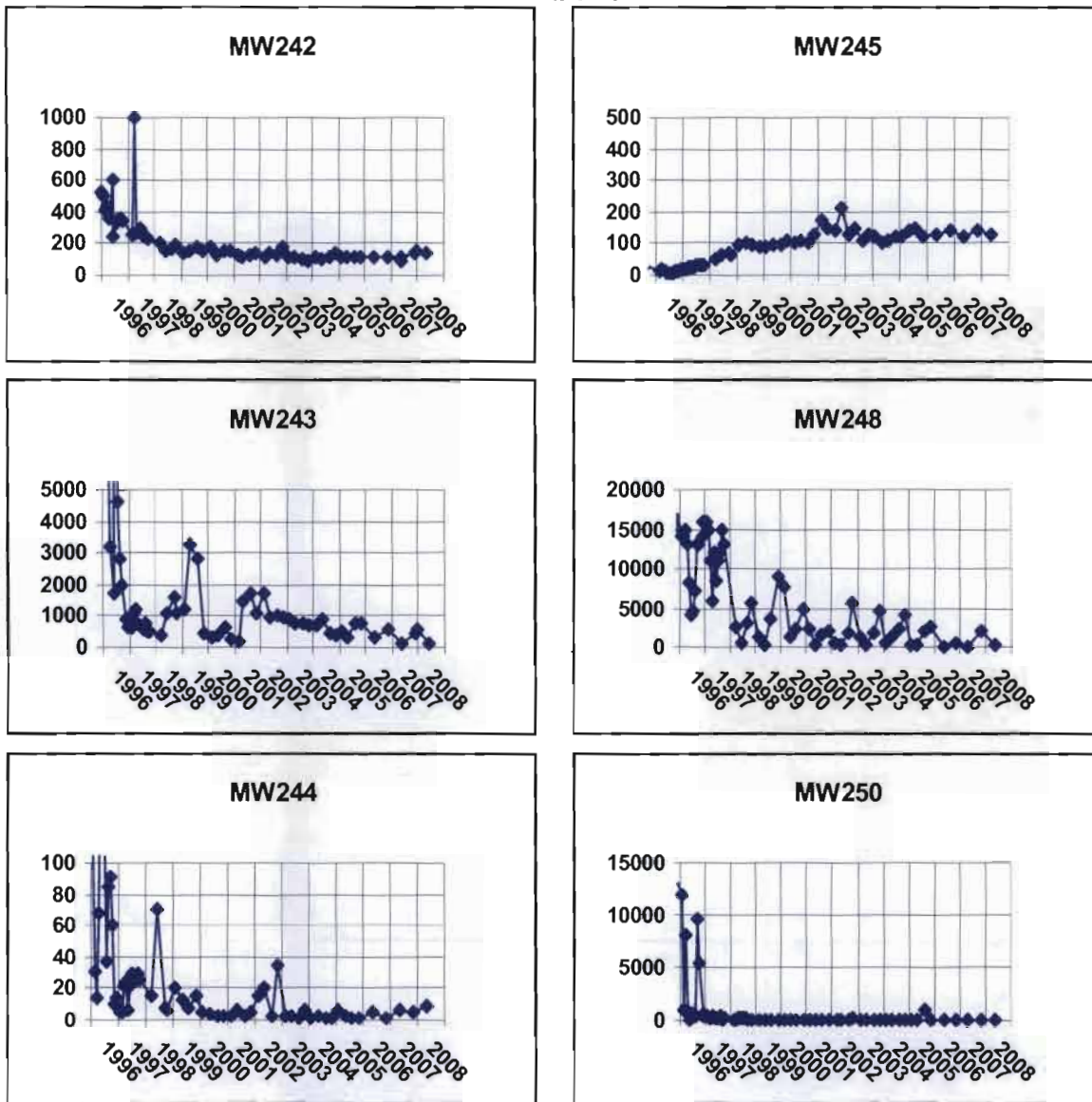


NOTE: Data rejected by validation or assessment have not been graphed.

Figure 5b. Northwest Plume Groundwater System Effluent Tc-99 Activity

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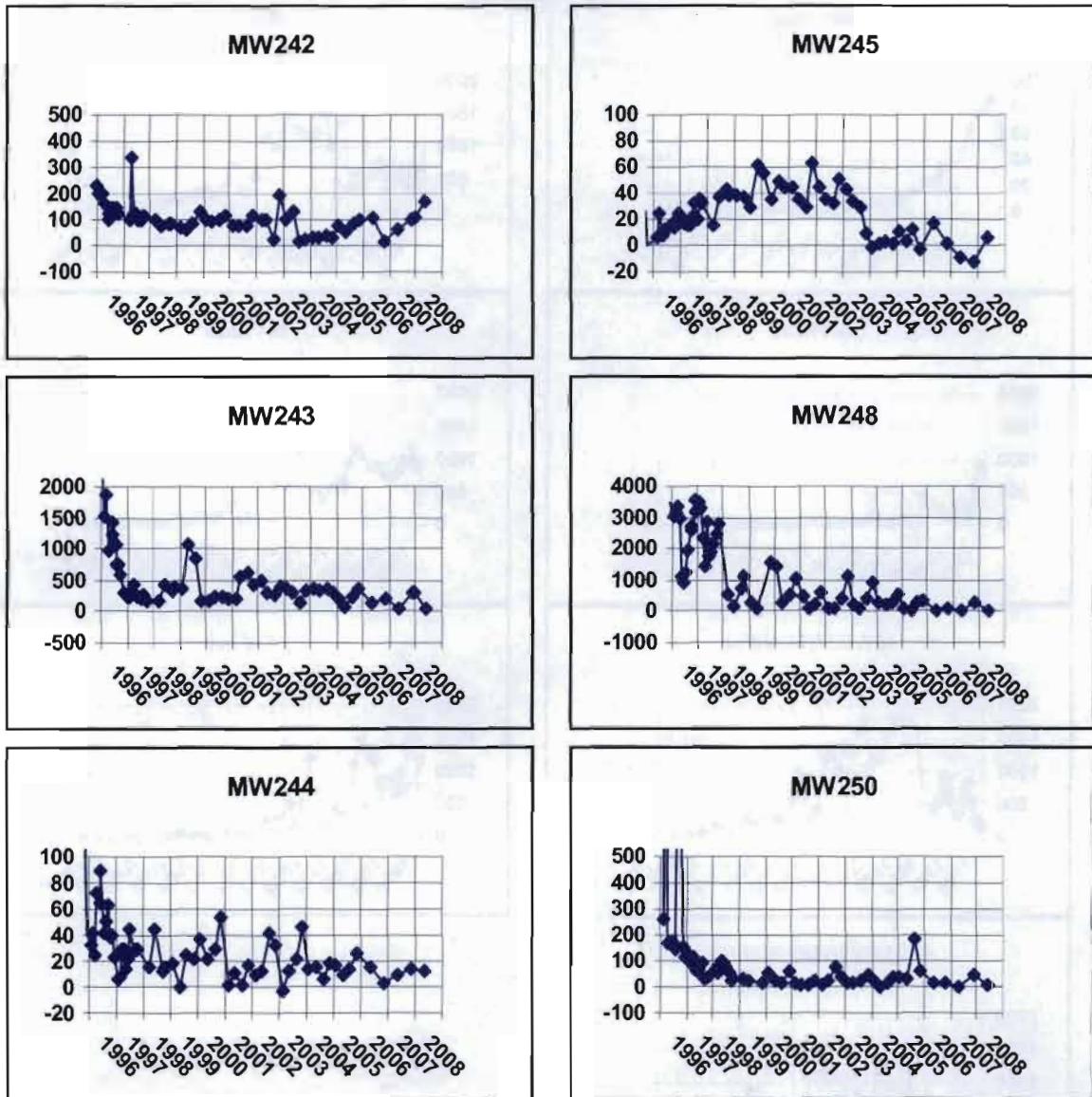
TCE (ppb)



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

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

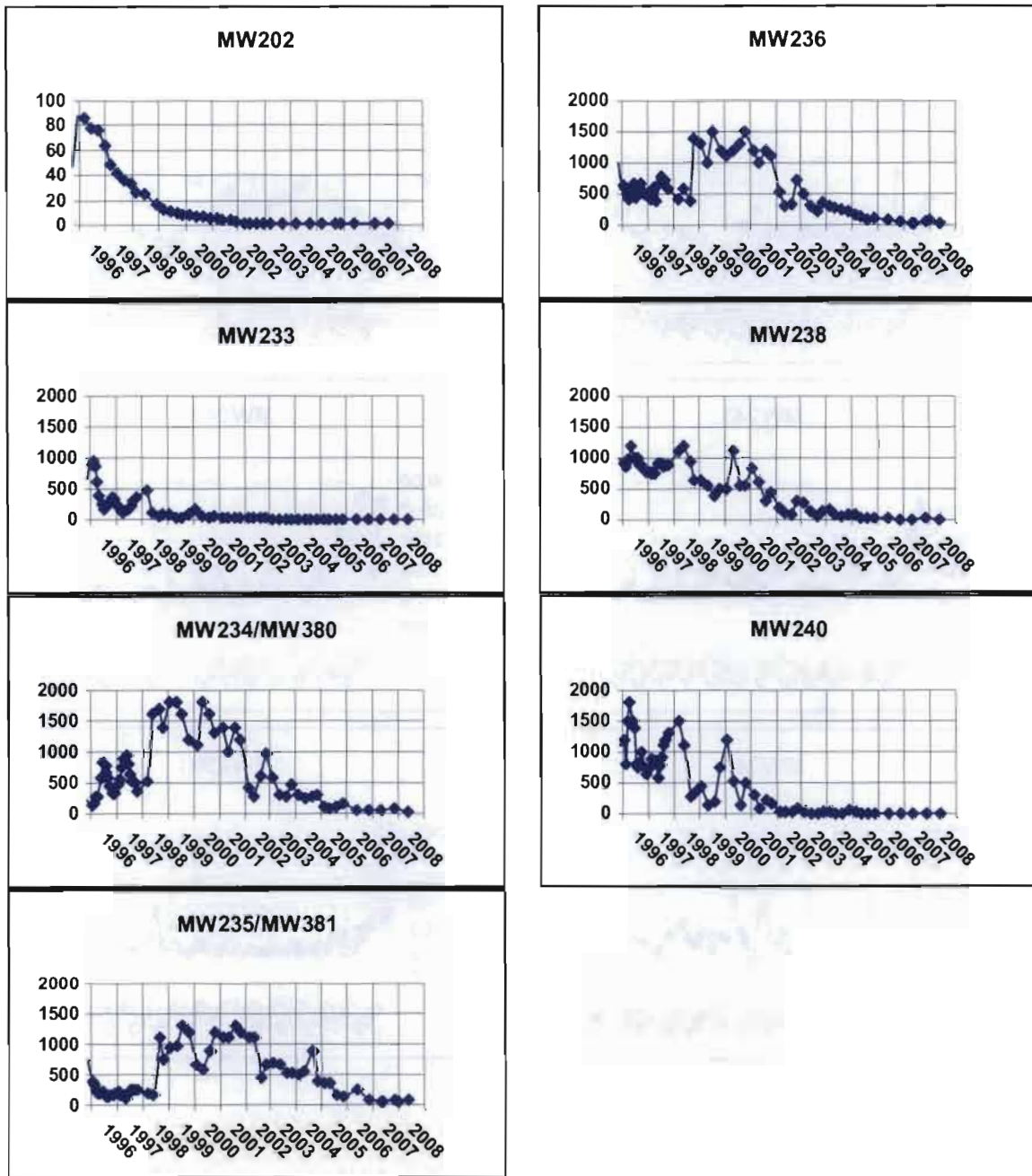
Tc-99 (pCi/L)



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

Figure 6b. Northwest Plume—South Well Field Tc-99 Activities

TCE (ppb)

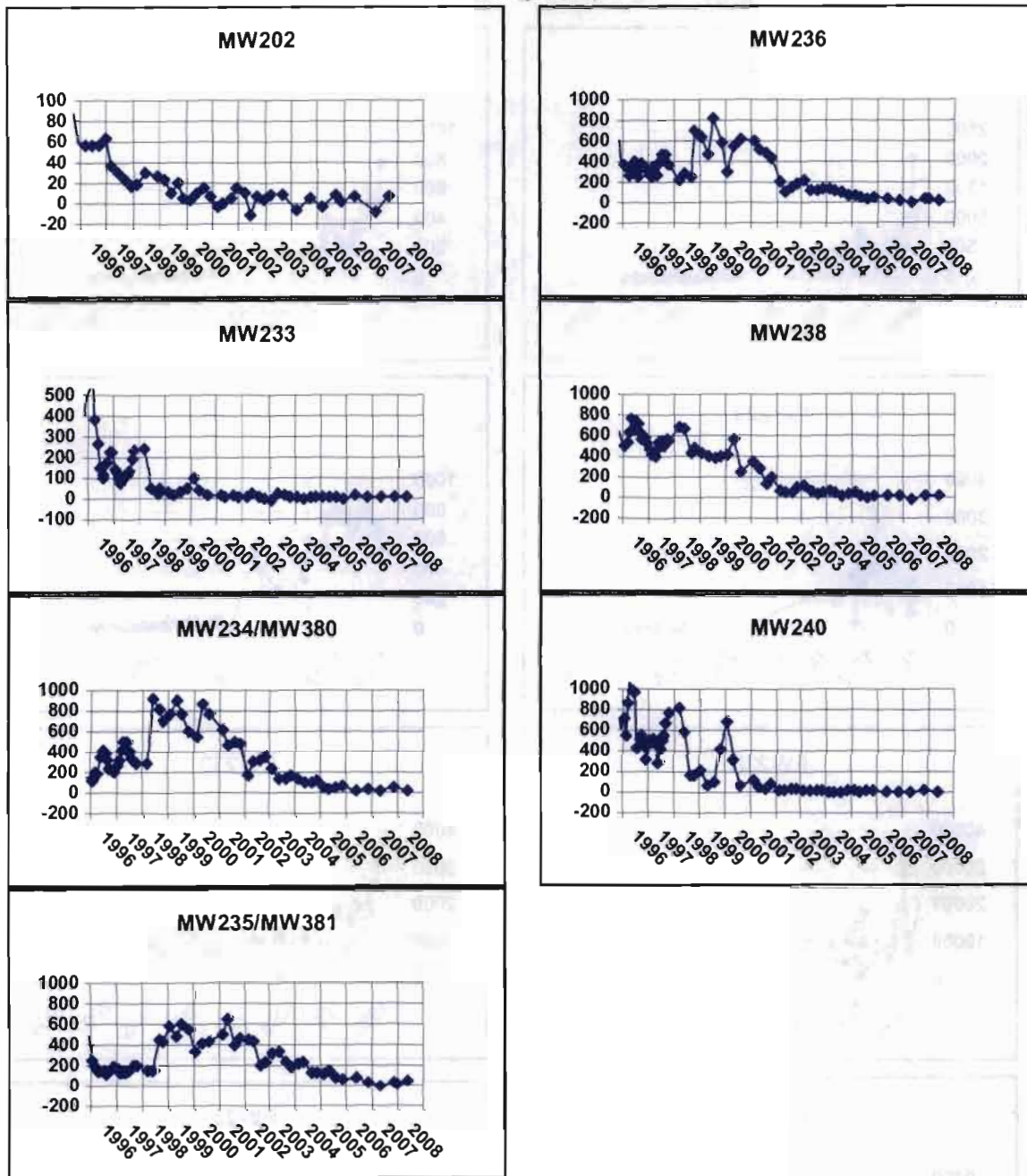


NOTE: Data rejected by validation or assessment have not been graphed.

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

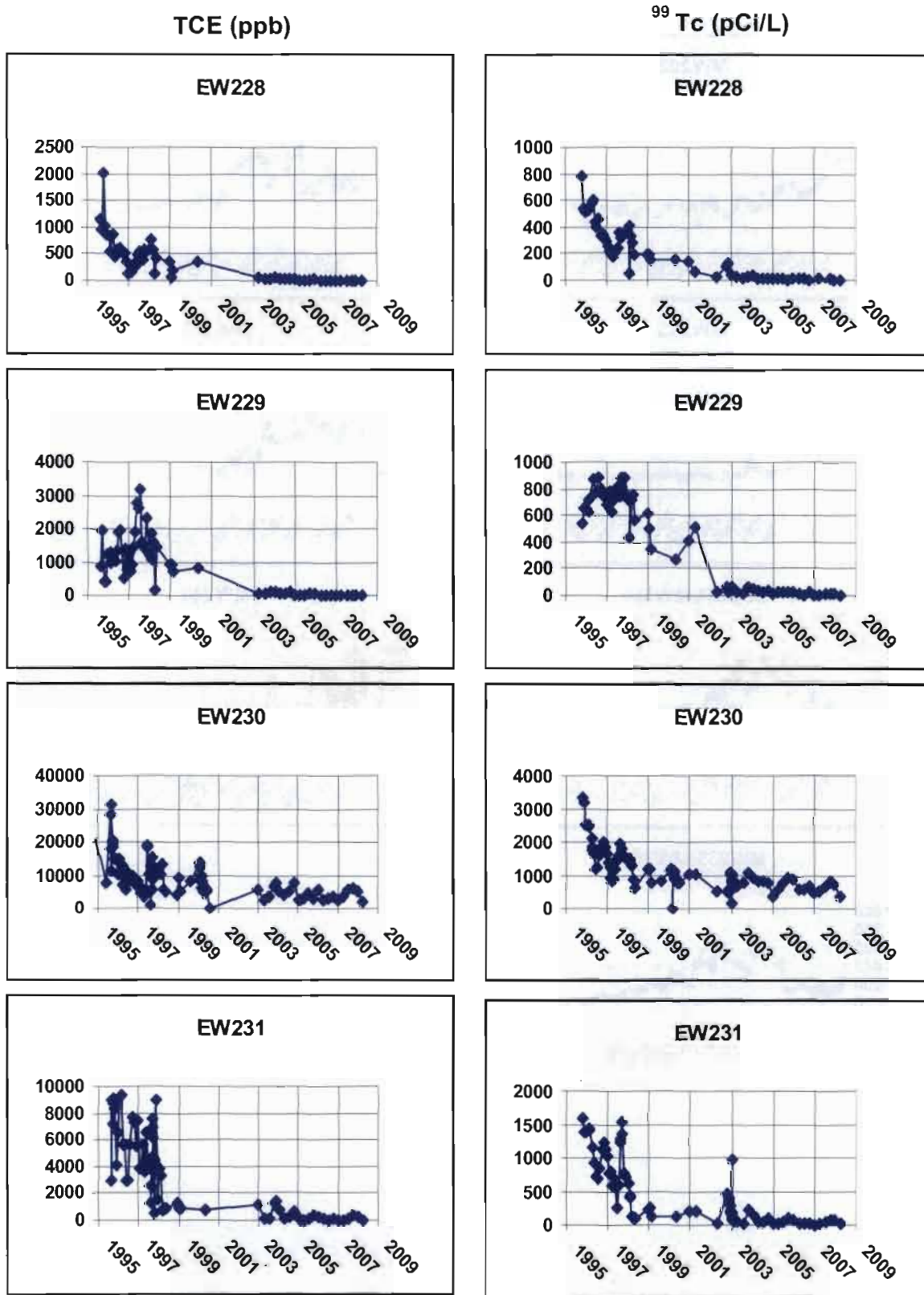


Tc-99 (pCi/L)



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

Figure 6d. Northwest Plume—North Well Field Tc-99 Activities



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

Figure 6c. Northwest Plume—TCE Concentrations and Tc-99 Activities in Extraction Wells

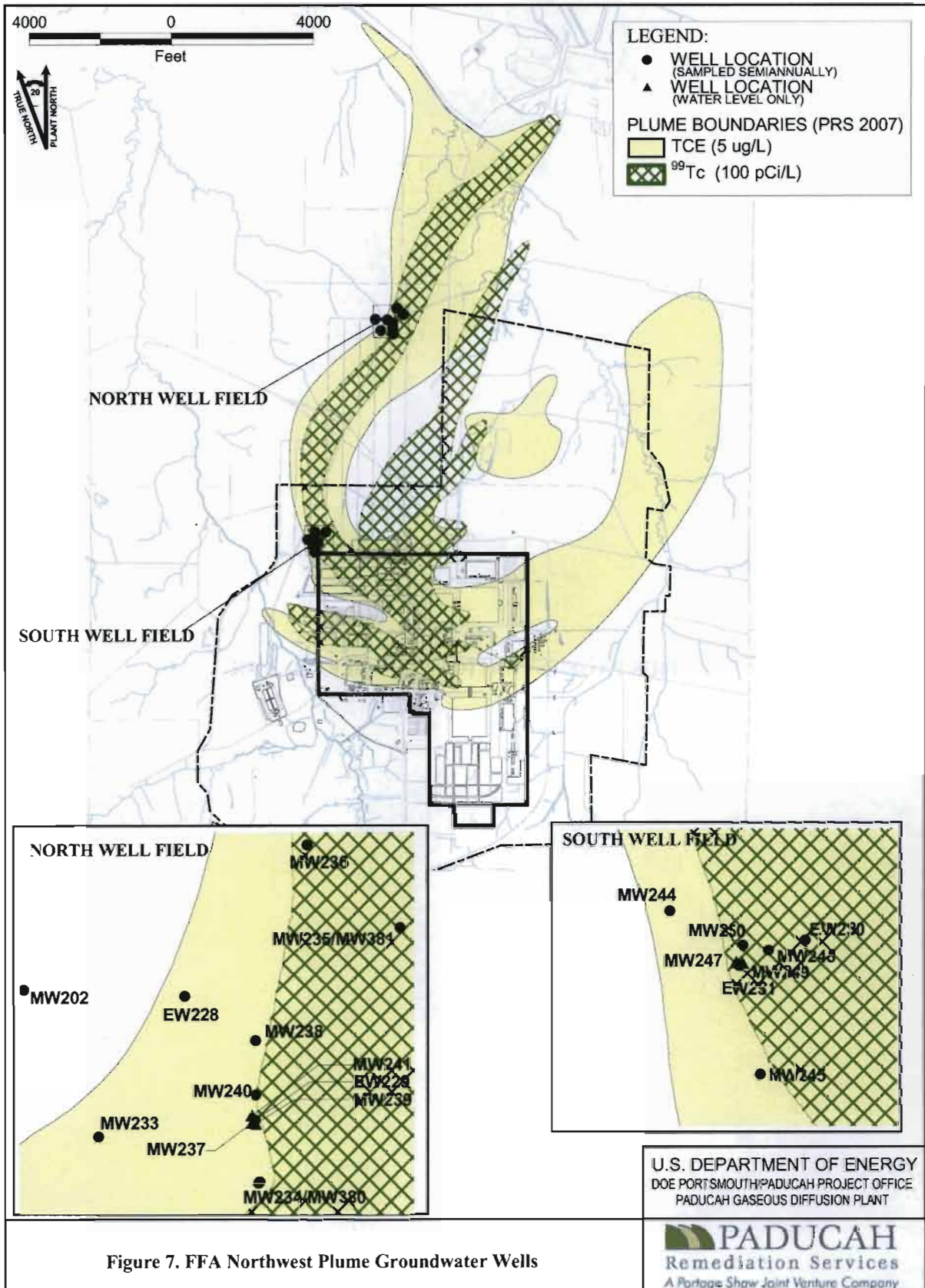


Figure No. c5ac90005sk016r2.apr  
DATE 10-25-07

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

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## Paducah OREIS Report for KG08-02

<b>MW300KG2-08</b>	from: MW300	on 4/28/2008	Media: WG	SmpMethod: GR
Comments:				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	VV/A*
<b>ANION</b>									
Chloride	15		mg/L			2		SW846-9056	/ = /
Ferrous	110		mg/L			60		SM-3500-Fe B 17	/ = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	1400		mg/L			100		SW846-9056	/ = /
<b>FS</b>									
Barometric Pressure Reading	30.15		inches/Hg					FS	/ /
Conductivity	2090		umho/cm					FS	/ /
Depth to Water	3.79		ft					FS	/ /
Dissolved Oxygen	3.32		mg/L					FS	/ /
pH	5.52		Std Unit					FS	/ /
Redox	227		mV					FS	/ /
Temperature	56.7		deg F					FS	/ /
Turbidity	40.6		NTU					FS	/ /
<b>METAL</b>									
Aluminum	0.2		mg/L	*NU		0.2		SW846-6010B	/ R /
Arsenic	0.00199		mg/L	X		0.001		SW846-6020	/ = /
Barium	0.0152		mg/L			0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	NU		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	346		mg/L			1		SW846-6010B	/ = /
Iron	117		mg/L			0.1		SW846-6010B	/ = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	70.2		mg/L			0.25		SW846-6010B	/ = /
Manganese	16.8		mg/L	X		0.5		SW846-6020	/ J /
Nickel	0.0372		mg/L	NX		0.005		SW846-6020	S / J /
Potassium	23.7		mg/L			0.2		SW846-6010B	S / = /
Sodium	23.6		mg/L			1		SW846-6010B	/ = /
Uranium	0.001		mg/L	BJU		0.001		SW846-6020	/ = /
<b>METAL-D</b>									
Arsenic, Dissolved	0.0025		mg/L	NX		0.001		SW846-6020	/ J /
Barium, Dissolved	0.0159		mg/L			0.005		SW846-6020	/ = /
Beryllium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium, Dissolved	0.001		mg/L	BU		0.001		SW846-6020	/ = /
Lead, Dissolved	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Uranium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
<b>PCCB</b>									
PCB-1016	0.16		ug/L	UXY		0.16		SW846-8082	/ UJ /
PCB-1221	0.17		ug/L	UXY		0.17		SW846-8082	/ UJ /
PCB-1232	0.13		ug/L	UXY		0.13		SW846-8082	/ UJ /
PCB-1242	0.1		ug/L	UXY		0.1		SW846-8082	/ UJ /
PCB-1248	0.11		ug/L	UXY		0.11		SW846-8082	/ UJ /
PCB-1254	0.07		ug/L	UXY		0.07		SW846-8082	/ UJ /
PCB-1260	0.05		ug/L	UXY		0.05		SW846-8082	/ UJ /
PCB-1268	0.09		ug/L	UXY		0.09		SW846-8082	/ UJ /
Polychlorinated biphenyl	0.17		ug/L	UXY		0.17		SW846-8082	/ UJ /
<b>RADS</b>									
Alpha activity	-0.155	0.126	pCi/L	UX		33.4	0.132	SW846-9310	/ U /
Beta activity	64.4	12.2	pCi/L			41.5	14.4	SW846-9310	/ = /
Technetium-99	0.8	12.2	pCi/L	U		17.6	12.2	RL-7100	/ U /

**Paducah OREIS Report for KG08-02**

<b>VOA</b>						
1,1,1-Trichloroethane	25	ug/L	U	25	SW846-8260	/ U /
1,1,2-Trichloroethane	25	ug/L	U	25	SW846-8260	/ U /
1,1-Dichloroethane	34	ug/L	D	5	SW846-8260	/ J /
1,1-Dichloroethene	42	ug/L	DY	5	SW846-8260	/ / = /
1,2-Dichloroethane	25	ug/L	U	25	SW846-8260	/ U /
Benzene	25	ug/L	U	25	SW846-8260	/ U /
Bromodichloromethane	25	ug/L	U	25	SW846-8260	/ U /
Carbon tetrachloride	25	ug/L	U	25	SW846-8260	/ U /
Chloroform	25	ug/L	U	25	SW846-8260	/ U /
cis-1,2-Dichloroethene	450	ug/L	D	5	SW846-8260	/ J /
Ethylbenzene	25	ug/L	U	25	SW846-8260	/ U /
Tetrachloroethene	25	ug/L	U	25	SW846-8260	/ U /
Toluene	25	ug/L	U	25	SW846-8260	/ U /
Total Xylene	75	ug/L	U	75	SW846-8260	/ U /
trans-1,2-Dichloroethene	5	ug/L	U	5	SW846-8260	/ U /
Trichloroethene	5	ug/L	U	5	SW846-8260	/ U /
Vinyl chloride	65	ug/L	D	10	SW846-8260	/ / = /
<b>WETCHEM</b>						
Alkalinity	120	mg/L		10	EPA-310.1	/ = /

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**Paducah OREIS Report for KG08-02**

<b>MW301DKG2-08</b>	from: MW301	on 4/28/2008	Media: WG	SmpMethod: GR
Comments:				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	VV/A*
<b>ANION</b>									
Chloride	67		mg/L			5		SW846-9056	S / = /
Ferrous	200		mg/L			60		SM-3500-Fe B 17	/ = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	1600		mg/L			100		SW846-9056	I / = /
<b>FS</b>									
Barometric Pressure Reading	30.06		Inches/Hg					FS	/ /
Conductivity	3530		umho/cm					FS	/ /
Depth to Water	8.12		ft					FS	/ /
Dissolved Oxygen	0.75		mg/L					FS	/ /
pH	5.99		Std Unit					FS	/ /
Redox	35		mV					FS	/ /
Temperature	57.8		deg F					FS	/ /
Turbidity	186		NTU					FS	/ /
<b>METAL</b>									
Aluminum	0.2		mg/L	*NU		0.2		SW846-6010B	/ R /
Arsenic	0.00109		mg/L	X		0.001		SW846-6020	/ = /
Barium	0.0239		mg/L			0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	NU		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	506		mg/L			100		SW846-6010B	/ = /
Iron	185		mg/L			0.1		SW846-6010B	I / = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	110		mg/L			2.5		SW846-6010B	/ = /
Manganese	14.7		mg/L	X		0.5		SW846-6020	I / J /
Nickel	0.00726		mg/L	NX		0.005		SW846-6020	S / J /
Potassium	40.4		mg/L			0.2		SW846-6010B	/ = /
Sodium	78.8		mg/L			1		SW846-6010B	/ = /
Uranium	0.0132		mg/L	BJ		0.001		SW846-6020	/ J /
<b>METAL-D</b>									
Arsenic, Dissolved	0.00138		mg/L	NX		0.001		SW846-6020	/ J /
Barium, Dissolved	0.0237		mg/L			0.005		SW846-6020	/ = /
Beryllium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium, Dissolved	0.001		mg/L	BU		0.001		SW846-6020	/ = /
Lead, Dissolved	0.00166		mg/L			0.0013		SW846-6020	/ = /
Uranium, Dissolved	0.0109		mg/L			0.001		SW846-6020	S / = /
<b>PCCB</b>									
PCB-1016	0.51		ug/L	XY		0.16		SW846-8082	S / J /
PCB-1221	0.17		ug/L	UXY		0.17		SW846-8082	/ R /
PCB-1232	0.13		ug/L	UXY		0.13		SW846-8082	/ R /
PCB-1242	0.1		ug/L	UXY		0.1		SW846-8082	/ R /
PCB-1248	0.11		ug/L	UXY		0.11		SW846-8082	/ R /
PCB-1254	0.07		ug/L	UXY		0.07		SW846-8082	/ R /
PCB-1260	0.05		ug/L	UXY		0.05		SW846-8082	/ R /
PCB-1268	0.09		ug/L	UXY		0.09		SW846-8082	/ R /
Polychlorinated biphenyl	0.51		ug/L	XY		0.17		SW846-8082	I / J /
<b>RADS</b>									
Alpha activity	20.4	11.8	pCi/L	UX		38.6	12.8	SW846-9310	/ U /
Beta activity	79.9	14.8	pCi/L			45.9	17.5	SW846-9310	I / = /
Technetium-99	-4.91	11.5	pCi/L	U		17.6	11.5	RL-7100	/ U /

**Paducah OREIS Report for KG08-02**

<b>VOA</b>						
1,1,1-Trichloroethane	5	ug/L	U	5	SW846-8260	/U/
1,1,2-Trichloroethane	5	ug/L	U	5	SW846-8260	/U/
1,1-Dichloroethane	2.8	ug/L		1	SW846-8260	S/J/
1,1-Dichloroethene	1	ug/L	UY	1	SW846-8260	/U/
1,2-Dichloroethane	5	ug/L	U	5	SW846-8260	/U/
Benzene	5	ug/L	U	5	SW846-8260	/U/
Bromodichloromethane	5	ug/L	U	5	SW846-8260	/U/
Carbon tetrachloride	5	ug/L	U	5	SW846-8260	/U/
Chloroform	5	ug/L	U	5	SW846-8260	/U/
cis-1,2-Dichloroethene	44	ug/L		1	SW846-8260	/J/
Ethylbenzene	5	ug/L	U	5	SW846-8260	/U/
Tetrachloroethene	5	ug/L	U	5	SW846-8260	/U/
Toluene	5	ug/L	U	5	SW846-8260	/U/
Total Xylene	15	ug/L	U	15	SW846-8260	/U/
trans-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260	/U/
Trichloroethene	1	ug/L	U	1	SW846-8260	/U/
Vinyl chloride	2.8	ug/L		2	SW846-8260	I/=I
<b>WETCHEM</b>						
Alkalinity	430	mg/L		10	EPA-310.1	/=/

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**Paducah OREIS Report for KG08-02**

<b>MW301KG2-08</b>	from: MW301	on 4/28/2008	Media: WG	SmpMethod: GR
Comments:				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	VV/A*
<b>ANION</b>									
Chloride	68		mg/L			5		SW846-9056	S / /
Ferrous	200		mg/L			60		SM-3500-Fe B 17	/ = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	1600		mg/L			100		SW846-9056	1 / = /
<b>FS</b>									
Barometric Pressure Reading	30.06		Inches/Hg					FS	/ /
Conductivity	3530		umho/cm					FS	/ /
Depth to Water	8.12		ft					FS	/ /
Dissolved Oxygen	0.75		mg/L					FS	/ /
pH	5.99		Std Unit					FS	/ /
Redox	35		mV					FS	/ /
Temperature	57.8		deg F					FS	/ /
Turbidity	186		NTU					FS	/ /
<b>METAL</b>									
Aluminum	0.2		mg/L	*NU		0.2		SW846-6010B	/ R /
Arsenic	0.00122		mg/L	X		0.001		SW846-6020	/ = /
Barium	0.0259		mg/L			0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	NU		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	527		mg/L			10		SW846-6010B	/ = /
Iron	192		mg/L			0.1		SW846-6010B	1 / = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	117		mg/L			0.25		SW846-6010B	/ = /
Manganese	15.3		mg/L	X		0.5		SW846-6020	1 / J /
Nickel	0.0076		mg/L	NX		0.005		SW846-6020	/ J /
Potassium	43.3		mg/L			0.2		SW846-6010B	S / = /
Sodium	88		mg/L			1		SW846-6010B	S / = /
Uranium	0.0103		mg/L	J		0.001		SW846-6020	/ J /
<b>METAL-D</b>									
Arsenic, Dissolved	0.00187		mg/L	NX		0.001		SW846-6020	/ J /
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	BU		0.001		SW846-6020	/ = /
Lead, Dissolved	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Uranium, Dissolved	0.0128		mg/L			0.001		SW846-6020	S / = /
<b>PCCB</b>									
PCB-1016	0.54		ug/L	XY		0.16		SW846-8082	S / J /
PCB-1221	0.17		ug/L	UXY		0.17		SW846-8082	/ R /
PCB-1232	0.13		ug/L	UXY		0.13		SW846-8082	/ R /
PCB-1242	0.1		ug/L	UXY		0.1		SW846-8082	/ R /
PCB-1248	0.11		ug/L	UXY		0.11		SW846-8082	/ R /
PCB-1254	0.07		ug/L	UXY		0.07		SW846-8082	/ R /
PCB-1260	0.05		ug/L	UXY		0.05		SW846-8082	/ R /
PCB-1268	0.09		ug/L	UXY		0.09		SW846-8082	/ R /
Polychlorinated biphenyl	0.54		ug/L	XY		0.17		SW846-8082	1 / J /
<b>RADS</b>									
Alpha activity	25.6	14.2	pCi/L	UX		37.6	15.5	SW846-9310	/ U /
Beta activity	45.9	9.47	pCi/L			45.1	10.9	SW846-9310	/ = /
Technetium-99	-3.1	11.8	pCi/L	U		17.6	11.8	RL-7100	/ U /

**Paducah OREIS Report for KG08-02**

<b>VOA</b>						
1,1,1-Trichloroethane	5	ug/L	U	5	SW846-8260	/U/
1,1,2-Trichloroethane	5	ug/L	U	5	SW846-8260	/U/
1,1-Dichloroethane	2.9	ug/L		1	SW846-8260	S/J/
1,1-Dichloroethene	1	ug/L	UY	1	SW846-8260	/U/
1,2-Dichloroethane	5	ug/L	U	5	SW846-8260	/U/
Benzene	5	ug/L	U	5	SW846-8260	/U/
Bromodichloromethane	5	ug/L	U	5	SW846-8260	/U/
Carbon tetrachloride	5	ug/L	U	5	SW846-8260	/U/
Chloroform	5	ug/L	U	5	SW846-8260	/U/
cis-1,2-Dichloroethene	45	ug/L		1	SW846-8260	/J/
Ethylbenzene	5	ug/L	U	5	SW846-8260	/U/
Tetrachloroethene	5	ug/L	U	5	SW846-8260	/U/
Toluene	5	ug/L	U	5	SW846-8260	/U/
Total Xylene	15	ug/L	U	15	SW846-8260	/U/
trans-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260	/U/
Trichloroethene	1	ug/L	U	1	SW846-8260	/U/
Vinyl chloride	2.8	ug/L		2	SW846-8260	I/=/
<b>WETCHEM</b>						
Alkalinity	460	mg/L		10	EPA-310.1	/=/

## Paducah OREIS Report for KG08-02

<b>MW302KG2-08</b>	from: MW302	on 4/28/2008	Media: WG	SmpMethod: GR
Comments:				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	V/V/A*
<b>ANION</b>									
Chloride	8.1		mg/L			2		SW846-9056	/ = /
Ferrous	0.6		mg/L	U		0.6		SM-3500-Fe B 17	/ = /
Nitrate as Nitrogen	1.1		mg/L			1		SW846-9056	S / = /
Sulfate	130		mg/L			10		SW846-9056	/ = /
<b>FS</b>									
Barometric Pressure Reading	30.03		Inches/Hg					FS	/ /
Conductivity	734		umho/cm					FS	/ /
Depth to Water	7.21		ft					FS	/ /
Dissolved Oxygen	1.39		mg/L					FS	/ /
pH	6.14		Std Unit					FS	/ /
Redox	271		mV					FS	/ /
Temperature	55.9		deg F					FS	/ /
Turbidity	3.4		NTU					FS	/ /
<b>METAL</b>									
Aluminum	0.2		mg/L	*NU		0.2		SW846-6010B	/ R /
Arsenic	0.001		mg/L	UX		0.001		SW846-6020	/ = /
Barium	0.0623		mg/L			0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	NU		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	48		mg/L			1		SW846-6010B	/ = /
Iron	0.1		mg/L	U		0.1		SW846-6010B	/ = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	26.4		mg/L			0.025		SW846-6010B	/ = /
Manganese	0.263		mg/L	X		0.005		SW846-6020	/ J /
Nickel	0.00528		mg/L	NX		0.005		SW846-6020	/ J /
Potassium	0.274		mg/L			0.2		SW846-6010B	/ = /
Sodium	75.3		mg/L			1		SW846-6010B	/ = /
Uranium	0.001		mg/L	BJU		0.001		SW846-6020	/ = /
<b>METAL-D</b>									
Arsenic, Dissolved	0.01		mg/L	NUX		0.01		SW846-6020	/ = /
Barium, Dissolved	0.066		mg/L			0.005		SW846-6020	/ = /
Beryllium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium, Dissolved	0.001		mg/L	BU		0.001		SW846-6020	/ = /
Lead, Dissolved	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Uranium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
<b>PCCB</b>									
PCB-1016	0.16		ug/L	UY		0.16		SW846-8082	/ U /
PCB-1221	0.17		ug/L	UY		0.17		SW846-8082	/ U /
PCB-1232	0.13		ug/L	UY		0.13		SW846-8082	/ U /
PCB-1242	0.1		ug/L	UY		0.1		SW846-8082	/ U /
PCB-1248	0.11		ug/L	UY		0.11		SW846-8082	/ U /
PCB-1254	0.07		ug/L	UY		0.07		SW846-8082	/ U /
PCB-1260	0.05		ug/L	UY		0.05		SW846-8082	/ U /
PCB-1268	0.09		ug/L	UY		0.09		SW846-8082	/ U /
Polychlorinated biphenyl	0.17		ug/L	UY		0.17		SW846-8082	/ U /
<b>RADS</b>									
Alpha activity	3.99	2.53	pCi/L	U		8.14	2.71	SW846-9310	/ U /
Beta activity	-0.184	0.0472	pCi/L	U		10.2	0.052	SW846-9310	/ U /
Technetium-99	-5.34	11.5	pCi/L	U		17.6	11.5	RL-7100	/ U /

**Paducah OREIS Report for KG08-02**

<b>VOA</b>						
1,1,1-Trichloroethane	5	ug/L	U	5	SW846-8260	/ U /
1,1,2-Trichloroethane	5	ug/L	U	5	SW846-8260	/ U /
1,1-Dichloroethane	1	ug/L	U	1	SW846-8260	/ U /
1,1-Dichloroethene	1	ug/L	UY	1	SW846-8260	/ U /
1,2-Dichloroethane	5	ug/L	U	5	SW846-8260	/ U /
Benzene	5	ug/L	U	5	SW846-8260	/ U /
Bromodichloromethane	5	ug/L	U	5	SW846-8260	/ U /
Carbon tetrachloride	5	ug/L	U	5	SW846-8260	/ U /
Chloroform	5	ug/L	U	5	SW846-8260	/ U /
cis-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260	/ U /
Ethylbenzene	5	ug/L	U	5	SW846-8260	/ U /
Tetrachloroethene	5	ug/L	U	5	SW846-8260	/ U /
Toluene	5	ug/L	U	5	SW846-8260	/ U /
Total Xylene	15	ug/L	U	15	SW846-8260	/ U /
trans-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260	/ U /
Trichloroethene	1	ug/L	U	1	SW846-8260	/ U /
Vinyl chloride	2	ug/L	U	2	SW846-8260	/ U /
<b>WETCHEM</b>						
Alkalinity	240	mg/L		10	EPA-310.1	/ = /

**Paducah OREIS Report for KG08-02**

<b>MW344KG2-08</b>	from: MW344	on 4/28/2008	Media: WG	SmpMethod: GR
Comments:				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	VV/A*
<b>ANION</b>									
Chloride	22		mg/L			2		SW846-9056	/ = /
Ferrous	0.6		mg/L	U		0.6		SM-3500-Fe B 17	/ = /
Nitrate as Nitrogen	1		mg/L	U		1		SW846-9056	/ = /
Sulfate	160		mg/L			10		SW846-9056	/ = /
<b>FS</b>									
Barometric Pressure Reading	30.12		Inches/Hg					FS	/ /
Conductivity	563		umho/cm					FS	/ /
Depth to Water	17.78		ft					FS	/ /
Dissolved Oxygen	0.87		mg/L					FS	/ /
pH	6.07		Std Unit					FS	/ /
Redox	285		mV					FS	/ /
Temperature	58.2		deg F					FS	/ /
Turbidity	47.9		NTU					FS	/ /
<b>METAL</b>									
Aluminum	0.486		mg/L	*N		0.2		SW846-6010B	/ / R /
Arsenic	0.00361		mg/L	X		0.001		SW846-6020	S / = /
Barium	0.0481		mg/L			0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	NU		0.001		SW846-6020	/ = /
Cadmium	0.001		mg/L	U		0.001		SW846-6020	/ = /
Calcium	50.6		mg/L			1		SW846-6010B	S / = /
Iron	0.947		mg/L			0.1		SW846-6010B	/ / = /
Lead	0.0013		mg/L	U		0.0013		SW846-6020	/ = /
Magnesium	18.3		mg/L			0.025		SW846-6010B	/ = /
Manganese	0.183		mg/L	BX		0.005		SW846-6020	IS / J /
Nickel	0.005		mg/L	NUX		0.005		SW846-6020	/ UJ /
Potassium	1.15		mg/L			0.2		SW846-6010B	/ = /
Sodium	27.9		mg/L			1		SW846-6010B	/ = /
Uranium	0.001		mg/L	BJU		0.001		SW846-6020	/ = /
<b>METAL-D</b>									
Arsenic, Dissolved	0.00388		mg/L	NX		0.001		SW846-6020	/ J /
Barium, Dissolved	0.0497		mg/L			0.005		SW846-6020	/ = /
Beryllium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
Cadmium, Dissolved	0.001		mg/L	BU		0.001		SW846-6020	/ = /
Lead, Dissolved	0.00185		mg/L			0.0013		SW846-6020	/ = /
Uranium, Dissolved	0.001		mg/L	U		0.001		SW846-6020	/ = /
<b>PCCB</b>									
PCB-1016	0.16		ug/L	UXY		0.16		SW846-8082	/ UJ /
PCB-1221	0.17		ug/L	UXY		0.17		SW846-8082	/ UJ /
PCB-1232	0.13		ug/L	UXY		0.13		SW846-8082	/ UJ /
PCB-1242	0.1		ug/L	UXY		0.1		SW846-8082	/ UJ /
PCB-1248	0.11		ug/L	UXY		0.11		SW846-8082	/ UJ /
PCB-1254	0.07		ug/L	UXY		0.07		SW846-8082	/ UJ /
PCB-1260	0.05		ug/L	UXY		0.05		SW846-8082	/ UJ /
PCB-1268	0.09		ug/L	UXY		0.09		SW846-8082	/ UJ /
Polychlorinated biphenyl	0.17		ug/L	UXY		0.17		SW846-8082	/ UJ /
<b>RADS</b>									
Alpha activity	1.35	1.02	pCi/L	U		7.52	1.08	SW846-9310	/ U /
Beta activity	4.02	0.928	pCi/L	U		9.54	1.04	SW846-9310	/ U /
Technetium-99	2.67	11.8	pCi/L	U		17.6	11.8	RL-7100	/ U /

**Paducah OREIS Report for KG08-02**

<b>VOA</b>						
1,1,1-Trichloroethane	5	ug/L	U	5	SW846-8260	/U/
1,1,2-Trichloroethane	5	ug/L	U	5	SW846-8260	/U/
1,1-Dichloroethane	1	ug/L	U	1	SW846-8260	/U/
1,1-Dichloroethene	1	ug/L	UY	1	SW846-8260	/U/
1,2-Dichloroethane	5	ug/L	U	5	SW846-8260	/U/
Benzene	5	ug/L	U	5	SW846-8260	/U/
Bromodichloromethane	5	ug/L	U	5	SW846-8260	/U/
Carbon tetrachloride	5	ug/L	U	5	SW846-8260	/U/
Chloroform	5	ug/L	U	5	SW846-8260	/U/
cis-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260	/U/
Ethylbenzene	5	ug/L	U	5	SW846-8260	/U/
Tetrachloroethene	5	ug/L	U	5	SW846-8260	/U/
Toluene	5	ug/L	U	5	SW846-8260	/U/
Total Xylene	15	ug/L	U	15	SW846-8260	/U/
trans-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260	/U/
Trichloroethene	1	ug/L	U	1	SW846-8260	/U/
Vinyl chloride	2	ug/L	U	2	SW846-8260	/U/
<b>WETCHEM</b>						
Alkalinity	84	mg/L		10	EPA-310.1	/=/



**Paducah OREIS Report for KG08-02**

<b>FBMW301KG2-08</b>	from: QC	on 4/28/2008	Media: WQ	SmpMethod:
Comments:				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	VV/A*
<b>ANION</b>									
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	/ = /
<b>METAL</b>									
Aluminum	0.2		mg/L	*NU		0.2		SW846-6010B	/ R /
Arsenic	0.001		mg/L	UX		0.001		SW846-6020	/ = /
Barium	0.005		mg/L	U		0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	NU		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	BU		0.025		SW846-6010B	/ = /
Manganese	0.005		mg/L	BUX		0.005		SW846-6020	/ UJ /
Nickel	0.005		mg/L	NUX		0.005		SW846-6020	/ UJ /
Potassium	0.2		mg/L	U		0.2		SW846-6010B	/ = /
Sodium	1		mg/L	U		1		SW846-6010B	/ = /
Uranium	0.001		mg/L	JU		0.001		SW846-6020	/ = /
<b>PCCB</b>									
PCB-1016	0.16		ug/L	UXY		0.16		SW846-8082	/ UJ /
PCB-1221	0.17		ug/L	UXY		0.17		SW846-8082	/ UJ /
PCB-1232	0.13		ug/L	UXY		0.13		SW846-8082	/ UJ /
PCB-1242	0.1		ug/L	UXY		0.1		SW846-8082	/ UJ /
PCB-1248	0.11		ug/L	UXY		0.11		SW846-8082	/ UJ /
PCB-1254	0.07		ug/L	UXY		0.07		SW846-8082	/ UJ /
PCB-1260	0.05		ug/L	UXY		0.05		SW846-8082	/ UJ /
PCB-1268	0.09		ug/L	UXY		0.09		SW846-8082	/ UJ /
Polychlorinated biphenyl	0.17		ug/L	UXY		0.17		SW846-8082	/ UJ /
<b>RADS</b>									
Alpha activity	-0.44	0.44	pCi/L	U		4.8	0.454	SW846-9310	/ U /
Beta activity	2.86	0.665	pCi/L	U		7.33	0.746	SW846-9310	/ U /
Technetium-99	-7.15	11.6	pCi/L	U		17.6	11.6	RL-7100	/ U /
<b>VOA</b>									
1,1,1-Trichloroethane	5		ug/L	U		5		SW846-8260	/ U /
1,1,2-Trichloroethane	5		ug/L	U		5		SW846-8260	/ U /
1,1-Dichloroethane	1		ug/L	U		1		SW846-8260	/ U /
1,1-Dichloroethene	1		ug/L	UY		1		SW846-8260	/ U /
1,2-Dichloroethane	5		ug/L	U		5		SW846-8260	/ U /
Benzene	5		ug/L	U		5		SW846-8260	/ U /
Bromodichloromethane	5		ug/L	U		5		SW846-8260	/ U /
Carbon tetrachloride	5		ug/L	U		5		SW846-8260	/ U /
Chloroform	5		ug/L	U		5		SW846-8260	/ U /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260	/ U /
Ethylbenzene	5		ug/L	U		5		SW846-8260	/ U /
Tetrachloroethene	5		ug/L	U		5		SW846-8260	/ U /
Toluene	5		ug/L	U		5		SW846-8260	/ U /
Total Xylene	15		ug/L	U		15		SW846-8260	/ U /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260	/ U /
Trichloroethene	1		ug/L	U		1		SW846-8260	/ U /

**Paducah OREIS Report for KG08-02**

Vinyl chloride

2

ug/L

U

2

SW846-8260

/ U /

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**Paducah OREIS Report for KG08-02**

<b>RIMW301KG2-08</b>	from: QC	on 4/28/2008	Media: WQ	SmpMethod:
Comments:				

Analysis	Results	Counting Error	Units	Result Qual	Foot Note	Reporting Limit	TPU	Method	VV/A*
<b>ANION</b>									
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	/ = /
<b>METAL</b>									
Aluminum	0.2		mg/L	*NU		0.2		SW846-6010B	/ R /
Arsenic	0.001		mg/L	UX		0.001		SW846-6020	/ = /
Barium	0.005		mg/L	U		0.005		SW846-6020	/ = /
Beryllium	0.001		mg/L	NU		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	BU		0.025		SW846-6010B	/ = /
Manganese	0.005		mg/L	BUX		0.005		SW846-6020	/ UJ /
Nickel	0.005		mg/L	NUX		0.005		SW846-6020	/ UJ /
Potassium	0.2		mg/L	U		0.2		SW846-6010B	/ = /
Sodium	1		mg/L	U		1		SW846-6010B	/ = /
Uranium	0.001		mg/L	JU		0.001		SW846-6020	/ = /
<b>PCCB</b>									
PCB-1016	0.16		ug/L	UXY		0.16		SW846-8082	/ UJ /
PCB-1221	0.17		ug/L	UXY		0.17		SW846-8082	/ UJ /
PCB-1232	0.13		ug/L	UXY		0.13		SW846-8082	/ UJ /
PCB-1242	0.1		ug/L	UXY		0.1		SW846-8082	/ UJ /
PCB-1248	0.11		ug/L	UXY		0.11		SW846-8082	/ UJ /
PCB-1254	0.07		ug/L	UXY		0.07		SW846-8082	/ UJ /
PCB-1260	0.05		ug/L	UXY		0.05		SW846-8082	/ UJ /
PCB-1268	0.09		ug/L	UXY		0.09		SW846-8082	/ UJ /
Polychlorinated biphenyl	0.17		ug/L	UXY		0.17		SW846-8082	/ UJ /
<b>RADS</b>									
Alpha activity	0.467	0.381	pCi/L	U		5.12	0.399	SW846-9310	/ U /
Beta activity	2.89	0.672	pCi/L	U		7.41	0.753	SW846-9310	/ U /
Technetium-99	-8.48	11.6	pCi/L	U		17.6	11.6	RL-7100	/ U /
<b>VOA</b>									
1,1,1-Trichloroethane	5		ug/L	U		5		SW846-8260	/ U /
1,1,2-Trichloroethane	5		ug/L	U		5		SW846-8260	/ U /
1,1-Dichloroethane	1		ug/L	U		1		SW846-8260	/ U /
1,1-Dichloroethene	1		ug/L	UY		1		SW846-8260	/ U /
1,2-Dichloroethane	5		ug/L	U		5		SW846-8260	/ U /
Benzene	5		ug/L	U		5		SW846-8260	/ U /
Bromodichloromethane	5		ug/L	U		5		SW846-8260	/ U /
Carbon tetrachloride	5		ug/L	U		5		SW846-8260	/ U /
Chloroform	5		ug/L	U		5		SW846-8260	/ U /
cis-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260	/ U /
Ethylbenzene	5		ug/L	U		5		SW846-8260	/ U /
Tetrachloroethene	5		ug/L	U		5		SW846-8260	/ U /
Toluene	5		ug/L	U		5		SW846-8260	/ U /
Total Xylene	15		ug/L	U		15		SW846-8260	/ U /
trans-1,2-Dichloroethene	1		ug/L	U		1		SW846-8260	/ U /
Trichloroethene	1		ug/L	U		1		SW846-8260	/ U /

**Paducah OREIS Report for KG08-02**

Vinyl chloride                      2                                      ug/L                      U                      2                                      SW846-8260                      / U /

**TBMW301KG2-08**                      from: QC                      on 4/28/2008                      Media: WQ                      SmpMethod:  
 Comments:

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

**APPENDIX D**

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

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## Paducah Documents Added to the Administrative Record Files Second Quarter CY2008

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFBGOU, ARFCC, ARFSOU, ARFREF	12/17/07	PRS/I-0736, PPPO-02-178-08	FEDERAL FACILITY AGREEMENT (FFA) MANAGERS' AND MID MANAGERS MEETING CONDUCTED OCTOBER 4, 2007	DOE-PPPO, DOE-PPPO	KDEP, USEPA-IV	No	I-02001-0610
ARFCC	09/12/07		[CABINET FOR HEALTH & FAMILY SERVICES] CABINET'S POSITION REGARDING THE PROPOSED ON-SITE CERCLA CELL WASTE DISPOSAL AT PGDP	KY CABINET FOR HEALTH AND FAMILY	DOE-PPPO	No	I-05306-0106
ARFREF, ARFBGOU, ARFSWOUOSD, ARFSWP	01/10/08	PRS/I-0746, PPPO-02-245-08	FEDERAL FACILITY AGREEMENT MANAGERS' AND MID MANAGERS MEETING CONDUCTED NOVEMBER 15, 2007	DOE-PPPO	KDEP, USEPA-IV	No	I-02001-0611
ARFREF, ARFSOU, ARFSWP	03/20/08		CITIZENS ADVISORY BOARD MARCH 2008 BOARD MEETING, PROPOSED AGENDA FOR THE MARCH BOARD MEETING	CAB		No	A-00010-1230
ARFSOU	11/30/07	PRS/I-0716, DOE/LX/07-0015&D2/R1, DOE/LX/07-0015/A1/D2R1	REVIEW OF THE SAMPLING AND ANALYSIS PLAN FOR SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0015&D2/R1) AND ADDENDUM 1-A TO SAMPLING AND ANALYSIS PLAN (DOE/LX/07-0015/A1/D2R1) PADUCAH KENTUCKY	USEPA-IV	DOE-PPPO, PRS	No	I-04909-0037
ARFSOU	03/24/08	DOE/LX/07-0016&D1	TRANSMITTAL OF THE ENGINEERING EVALUATION/COST ANALYSIS FOR THE SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE-PPPO	KDEP, USEPA-IV	No	I-04912-0009
ARFSOU	03/28/08	DOE/LX/07-0015/B, DOE/LX/07-	(KDEP) EXTENSION REQUEST ADDENDUM 1-B TO THE SAP FOR SOIL PILES (DOE/LX/07-0015/B) AND ADDENDUM 2 TO THE SAP FOR SOIL PILES AT PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-	KDEP	DOE-PPPO, PRS	No	I-04909-0038
ARFSOU	03/28/08	DOE/LX/07-0027&D1	EXTENSION REQUEST FOR SCOPING DOCUMENT FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT	KDEP	DOE-PPPO, PRS	No	I-04911-0003
ARFSOU	03/31/08	DOE/LX/07-0027&D1	COMMENTS ON THE SCOPING DOCUMENT FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	USEPA-IV	DOE-PPPO, PRS	No	I-04911-0002
ARFSWOUOSD	03/10/08	PPPO-02-360-08/DOE/LX/07-0001&D2/R1	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, USEPA-IV	No	I-04810-0047
ARFSWOUOSD	04/10/08	PRS/I-0808	EXTENSION REQUEST FOR REVIEW OF THE ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT (ON-SITE) (0012&D1) PADUCAH GASEOUS DIFFUSION PLANT KY8-890-008-	KDEP	DOE-PPPO, PRS	No	I-04812-0117
ARFSWOUOSD, ARFCC, ARFREF	03/06/08		[CAB MARCH 2008] PROPOSED AGENDA FOR THE MARCH WORKING SESSION	CAB		No	A-00010-1229
ARFSWOUOSD, ARFSOU	01/29/08	PRS/I-0767	EPA PROJECT MANAGEMENT OF SURFACE WATER AND SOILS OPERABLE UNITS	USEPA-IV	DOE-PPPO, PRS	No	A-00002-1290

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## Paducah Documents Added to the Administrative Record Files Second Quarter CY2008

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFSWP	11/30/07	PRS/I-0712	LETTER OF NON-CONCURRENCE FOR THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)AND NOTICE OF INFORMAL DISPUTE	PGDP	DOE-PPPO, PRS	No	I-04610-0099
ARFSWP	02/06/08		RESPONSE TO THE DEPARTMENT OF ENERGY PROPOSAL TO RESOLVE THE INFORMAL DISPUTE ON THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST PLUME	USEPA-IV	DOE-PPPO, PRS	No	I-04610-0104
ARFSWP	02/28/08		[EPA GRANTS] DOE EXTENSION REQUEST FOR REVIEW OF THE MEMORANDUM OF AGREEMENT TO RESOLVE THE INFORMAL DISPUTE OVER THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	USEPA-IV	DOE-PPPO, PRS	No	I-04610-0102
ARFSWP	03/03/08		[KDEP GRANTS CONTINGENT UPON EPA GRANTING] EXTENSION REQUEST FOR THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2)	KDEP	DOE-PPPO, PRS	No	I-04610-0100
ARFSWP	03/03/08		[KDEP GRANTS]EXTENSION REQUEST FOR THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2) PADUCAH, MCCRACKEN COUNTY, KENTUCKY KY8-890-008-982	KDEP	DOE-PPPO, PRS	No	I-04610-0101
ARFSWP	03/18/08		RESOLUTION OF THE ENVIRONMENTAL PROTECTION AGENCY LETTER OF NON-CONCURRENCE FOR THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST PLUME AT THE PGDP, PADUCAH, KY AND NOTICE OF INFORMAL DISPUTE DATED NOVEMBER 30, 2007	USEPA-IV	DOE-PPPO, PRS	No	I-04610-0103
ARFSWP	03/24/08	PPPO-02-392-08	[DOE ACCEPTS]RESOLUTION OF THE ENVIRONMENTAL PROTECTION AGENCY LETTER OF NON-CONCURRENCE FOR THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST PLUME AT PGDP PADUCAH, KY(DOE/OR/07-2180&D2) AND NOTICE OF INFORMAL DISPUTE DATED 11/30/2007 KY8-890-008-982	DOE-PPPO	KDEP, USEPA-IV	No	I-04610-0105

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## Paducah Documents Added to the Administrative Record Files Third Quarter CY2008

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFBGOU	05/15/08		CAB JULY 2008 BOARD MEETING-PROPOSED AGENDA FOR THE MAY BOARD MEETING			No	A-00010-1232
ARFBGOU	07/17/08		CAB MAY BOARD MEETING-PROPOSED AGENDA FOR THE JULY BOARD MEETING			No	A-00010-1231
ARFBGOU	07/31/08		[PRS] FEDERAL FACILITY AGREEMENT PROJECT MANAGERS MEETINGS CONDUCTED JUNE 17-18, 2008			No	I-02001-0620
ARFCC	02/21/08	PPPO-02-314-08	WASTE DISPOSAL ALTERNATIVES EVALUATION PUBLIC INVOLVEMENT ACTIVITIES	DOE-PPPO	KDEP	No	I-05306-0107
ARFCC	04/04/08	PPPO-02-309-08	TRANSMITTAL OF THE SCOPING DOCUMENT FOR COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT WASTE DISPOSAL ALTERNATIVES EVALUATION REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT THE PADUCAH GASEOUS	DOE-PPPO	USEPA-IV	No	I-05311-0005
ARFCC	05/25/08		U.S. DOE PUBLIC NOTICE - ADMINISTRATIVE RECORD FILE AVAILABILITY FOR A REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) FOR DISPOSAL OF PGDP CERCLA WASTE	DOE-PPPO	GENERAL PUBLIC	No	I-05300-0044
ARFCC	07/14/08	DOE/LX/07-0035&D1	SCOPING DOCUMENT FOR CERCLA WASTE DISPOSAL ALTERNATIVES EVALUATION REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0035&D1)	KDEP	DOE-PPPO	No	I-05311-0007
ARFCC	07/30/08	4SFD-FFB	SCOPING DOCUMENT FOR CERCLA WASTE DISPOSAL ALTERNATIVES EVALUATION RI/FS FOR THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP) (DOE/LX/0035&D1)	USEPA-IV	DOE-PPPO	No	I-05311-0008
ARFCC	08/13/08	DOE/LX/07-0035&D1	SCOPING DOCUMENT FOR CERCLA WASTE DISPOSAL ALTERNATIVES EVALUATION REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY DOE/LX/07-0035&D1 SECONDARY DOCUMENT, MCCRACKEN CTY, PADUCAH, KY KY8-890-008-982	KDEP	DOE-PPPO	No	I-05311-0009
ARFREF	03/12/08	PPPO-02-373-08	FEDERAL FACILITY AGREEMENT BUDGET REPORTING-FISCAL YEAR 2010 BUDGET TARGET FUNDING GUIDANCE	DOE-PPPO	KDEP	No	I-02001-0614
ARFREF	04/24/08	REG-L-0212	FEDERAL FACILITY AGREEMENT PROJECT MANAGERS MEETING CONDUCTED APRIL 17, 2008	PRS	DOE-PPPO	No	I-02001-0621
ARFREF	05/15/08		CAB JULY 2008 BOARD MEETING-PROPOSED AGENDA FOR THE MAY BOARD MEETING			No	A-00010-1232
ARFREF	07/17/08		CAB MAY BOARD MEETING-PROPOSED AGENDA FOR THE JULY BOARD MEETING			No	A-00010-1231
ARFREF	07/29/08	DOE/LX/07-0/05&D2	[KDEP APPROVES] REVIEW OF SITE MANAGEMENT PLAN-ANNUAL REVISION-FY 2008 PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY MCCRACKEN COUNTY, KENTUCKY	KDEP	DOE-PPPO	No	I-02001-0623
ARFREF	07/31/08	REG-L-0231	[PRS] FEDERAL FACILITY AGREEMENT PROJECT MANAGERS MEETINGS CONDUCTED JUNE 17-18, 2008	PRS	DOE-PPPO	No	I-02001-0620
ARFREF	08/11/08	PPPO-02-598-08	FEDERAL FACILITY AGREEMENT PROJECT MANAGERS MEETING CONDUCTED JUNE 17-18, 2008	DOE-PPPO	USEPA-IV	No	I-02001-0622

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## Paducah Documents Added to the Administrative Record Files Third Quarter CY2008

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFSOU	03/06/08	PRS/I-0782	RESPONSE TO COMMENTS PROVIDED WITH APPROVAL OF THE SAMPLING AND ANALYSIS PLAN FOR SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0015&D2/R1)	DOE-PPPO	KDEP	No	I-04909-0046
ARFSOU	03/20/08	PRS/I-0793	RESPONSE TO COMMENTS ON THE SAMPLING AND ANALYSIS PLAN FOR SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0015&D2/R1) AND ADDENDUM 1-A TO SAP (DOE/LX/07-0015/A1/D2R1)	DOE-PPPO	USEPA-IV	No	I-04909-0045
ARFSOU	03/28/08	PRS/I-0804	[EXTENSION REQUEST] ADDENDUM 1-B AND 2 TO THE SAMPLING AND ANALYSIS PLAN FOR SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE-PPPO	No	I-04909-0042
ARFSOU	03/31/08	DOE/LX/07-0027&D1	COMMENTS ON THE SCOPING DOCUMENT FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0027&D1)	USEPA-IV	DOE-PPPO	No	I-04911-0004
ARFSOU	04/02/08	PRS/H-1141	RESPONSE TO COMMENTS ON THE SAMPLING AND ANALYSIS PLAN FOR SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0015&D2/R1) AND ADDENDUM 1-A TO SAP (DOE/LX/07-0015/A1/D2R1) PADUCAH KENTUCKY	USEPA-IV	DOE-PPPO	No	I-04909-0044
ARFSOU	04/11/08	DOE/LX/07-0027&D1	SCOPING DOCUMENT FOR THE SOILS OPERABLE UNIT REMEDIAL INVESTIGATION/FEASIBILITY STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0027&D1)	KDEP	DOE-PPPO	No	I-04911-0005
ARFSOU	04/14/08	DOE/LX/07-0015/B	ADDENDUM 1-B TO THE SAMPLING AND ANALYSIS PLAN FOR SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0015/B)	KDEP	DOE-PPPO	No	I-04909-0053
ARFSOU	04/14/08	DOE/LX/07-0015/A2	ADDENDUM 2 TO THE SAMPLING AND ANALYSIS PLAN FOR SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0015/A2)	KDEP	DOE-PPPO	No	I-04909-0054
ARFSOU	04/23/08	PRS/I-0830	[EXTENSION REQUEST]REVIEW OF THE ENGINEERING EVALUATION/COST ANALYSIS FOR SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0016&D1)	USEPA-IV	DOE-PPPO	No	I-04912-0013
ARFSOU	04/24/08	PRS/I-0827	ALLEGED DUMPING LOCATIONS AROUND THE PADUCAH GASEOUS DIFFUSION PLANT MCCRACKEN COUNTY, KENTUCKY KY8-890-009-982, AI 3059	KDEP	DOE-PPPO	No	I-04905-0010
ARFSOU	04/25/08	PRS/I-0828	EXTENSION REQUEST FOR THE ENGINEERING EVALUATION/COST ANALYSIS FOR SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0016&D1) KY8-890-008-982,AI 3059	KDEP	DOE-PPPO	No	I-04912-0015
ARFSOU	04/25/08	PPPO-02-383-08	SUPPLEMENTAL INFORMATION PURSUANT TO SECTION 3007 REQUEST FOR INFORMATION DATED JUNE 6, 2007 REGARDING SOIL AND RUBBLE AREAS AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE-PPPO	USEPA-IV	No	I-04907-0010

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Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFSOU	04/28/08	PPPO-02-425-08	NOTIFICATION OF DOE'S PLAN TO PERFORM A MAINTENANCE ACTION TO REMOVE SIX ACCESSIBLE RUBBLE PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE-PPPO	USEPA-IV	No	I-04900-0047
ARFSOU	04/30/08	PRS/I-0832	SAMPLING AND ANALYSIS PLAN FOR SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT, ADDENDUM 2 (DOE/LX/07-0015A2) AND ADDENDUM 1-B TO SAP (DOE/LX/07-0015/B), PADUCAH, KENTUCKY	USEPA-IV	DOE-PPPO	No	I-04909-0043
ARFSOU	05/12/08	PRS/I-0844	EXTENSION REQUEST FOR THE ENGINEERING EVALUATION/COST ANALYSIS FOR SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0016&D1) MCCRACKEN COUNTY, KY KY8-890-008-982, AI 3059	KDEP	DOE-PPPO	No	I-04912-0014
ARFSOU	05/15/08		CAB JULY 2008 BOARD MEETING-PROPOSED AGENDA FOR THE MAY BOARD MEETING			No	A-00010-1232
ARFSOU	05/27/08	DOE/LX/07-0016&D1	NOTICE OF DEFICIENCY FOR THE ENGINEERING EVALUATION/COST ANALYSIS FOR SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0016&D1) KY8-890-008-982, AI 3059	KDEP	DOE-PPPO	No	I-04912-0011
ARFSOU	05/27/08	PRS/I-0851	[EPA COMMENTS] ENGINEERING EVALUATION/COST ANALYSIS FOR THE SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0016&D1) PRIMARY DOCUMENT	USEPA-IV	DOE-PPPO	No	I-04912-0012
ARFSOU	06/05/08	PPPO-02-499-08	SITE EVALUATION REPORT FOR SOIL PILE I AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE-PPPO	USEPA-IV	No	I-04907-0006
ARFSOU	06/27/08	PPPO-02-464-08	SITE EVALUATION REPORT FOR SOIL PILE I AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE-PPPO	USEPA-IV	No	I-04907-0008
ARFSOU	06/27/08	PPPO-02-464-08	SITE EVALUATION REPORT FOR SOIL PILE I AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE-PPPO	USEPA-IV	No	I-04907-0009
ARFSOU	06/27/08	PPPO-02-534-08	NOTIFICATION OF SCHEDULE EXTENSION FOR THE SUBMITTAL OF THE D2 ENGINEERING EVALUATION/COST ANALYSIS FOR THE SOILS OPERABLE UNIT INACTIVE FACILITIES AT PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0016&D2)	DOE-PPPO	USEPA-IV	No	I-04912-0018
ARFSOU	06/30/08	DOE/LX/07-0015/A2 AND 0015/B	[EPA APPROVES] RESPONSE TO COMMENTS FOR THE SAMPLING AND ANALYSIS PLAN FOR SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT, ADDENDUM 2 (DOE/LX/07-0015/A2) AND ADDENDUM 1-B TO SAP (DOE/LX/07-0015/B)	USEPA-IV	DOE-PPPO	No	I-04909-0050
ARFSOU	07/03/08	DOE/LX/07-0016&D2	[KDEP GRANTS] EXTENSION REQUEST FOR SUBMITTAL OF THE D2 ENGINEERING EVALUATION/COST ANALYSIS FOR SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0016&D2) KY8-890-008-982, AI 3059	KDEP	DOE-PPPO	No	I-04912-0010
ARFSOU	07/17/08		CAB MAY BOARD MEETING-PROPOSED AGENDA FOR THE JULY BOARD MEETING			No	A-00010-1231

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Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFSOU	07/28/08	PPPO-02-589-08	TRANSMITTAL OF THE ENGINEERING EVALUATION/COST ANALYSIS (EECA) FOR THE SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0016&D2)	DOE-PPPO	USEPA-IV	No	I-04912-0016
ARFSOU	07/30/08	4WD-FFB	SAMPLING AND ANALYSIS PLAN FOR RUBBLE AREAS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0060&D1, SECONDARY DOCUMENT)	USEPA-IV	DOE-PPPO	No	I-04909-0047
ARFSOU	07/31/08	DOE/LX/07-0015/1B	[KDEP APPROVES] RESPONSE TO COMMENTS FOR THE SAMPLING AND ANALYSIS PLAN FOR THE SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT, ADDENDUM 2 (DOE/LX/07-0015/2) AND ADDENDUM 1-B (DOE/LX/07-0015/1B) KY8-890-008-982, MCCracken County, Paducah, KY	KDEP	DOE-PPPO	No	I-04909-0048
ARFSOU	07/31/08		[PRS] FEDERAL FACILITY AGREEMENT PROJECT MANAGERS MEETINGS CONDUCTED JUNE 17-18, 2008			No	I-02001-0620
ARFSOU	09/03/08	DOE/LX/07-0016&D2	[EPA COMMENTS] ENGINEERING EVALUATION/COST ANALYSIS FOR THE SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0016&D2)	USEPA-IV	DOE-PPPO	No	I-04912-0021
ARFSOU	09/04/08	DOE/LX/07-0016&D2	[KDEP APPROVES] ENGINEERING EVALUATION/COST ANALYSIS FOR SOILS OPERABLE UNIT INACTIVE FACILITIES AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH KENTUCKY (DOE/LX/07-0016&D2)	KDEP	DOE-PPPO	No	I-04912-0020
ARFSOU	09/12/08	DOE/LX/07-0015/1B	RESPONSE TO CONDITIONAL APPROVAL LETTER FOR THE SAMPLING AND ANALYSIS PLAN FOR THE SOIL PILES AT THE PADUCAH GASEOUS DIFFUSION PLANT, ADDENDUM 2 (DOE/LX/07-0015/2) AND ADDENDUM 1-B (DOE/LX/07-0015/1B)	DOE-PPPO	USEPA-IV	No	I-04909-0052
ARFSOU	09/15/08	DOE/LX/07-0060&D1	[KDEP] APPROVAL TO THE SAMPLING AND ANALYSIS PLAN FOR RUBBLE AREAS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	KDEP	DOE-PPPO	No	I-04909-0051
ARFSWOUOSD	01/24/08	PRS/I-0772	FFA MILESTONE MODIFICATION FORM FOR THE SURFACE WATER OPERABLE UNIT, PADUCAH GASEOUS DIFFUSION PLANT, KY8-890-008-982	KDEP	DOE-PPPO	No	I-04810-0049
ARFSWOUOSD	02/08/08		[KDEP] APPROVAL OF THE SURFACE WATER OPERABLE UNIT(ON SITE)SITE INVESTIGATION AND BASELINE RISK ASSESSMENT REPORT (0001&D2/R1) , PADUCAH GASEOUS DIFFUSION PLANT KY8-890-008-982	KDEP	DOE-PPPO	No	I-04810-0048
ARFSWOUOSD	03/10/08	PRS/I-0789	REVIEW OF THE ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT(ON-SITE)AT PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0012&D1)	USEPA-IV	DOE-PPPO	No	I-04812-0120

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## Paducah Documents Added to the Administrative Record Files Third Quarter CY2008

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFSWOUOSD	03/14/08	PRS/I-0788	[KDEP GRANTS] EXTENSION REQUEST FOR REVIEW OF THE ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT (ON-SITE) (0012&D1) PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY KY8-890-008-982	KDEP	DOE-PPPO	No	I-04812-0132
ARFSWOUOSD	04/23/08	PRS/I-0831	ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT (ON-SITE) AT PGDP (DOE/LX/07-0012&D1)	USEPA-IV	DOE-PPPO	No	I-04812-0123
ARFSWOUOSD	04/30/08	PRS/I-0835	EXTENSION REQUEST FOR REVIEW OF THE ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT (ON-SITE) (0012&D1) PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE-PPPO	No	I-04812-0121
ARFSWOUOSD	05/15/08		CAB JULY 2008 BOARD MEETING-PROPOSED AGENDA FOR THE MAY BOARD MEETING			No	A-00010-1232
ARFSWOUOSD	06/02/08	PRS/I-0857	[KDEP GRANTS] EXTENSION REQUEST AND PROPOSED MILESTONE MODIFICATION FOR THE SURFACE WATER OPERABLE UNIT (ON-SITE) REMOVAL ACTION AND THE SURFACE WATER OPERABLE UNIT (ON-SITE) REMEDIAL ACTION AT PGDP KY8-890-008-982	KDEP	DOE-PPPO	No	I-04813-0050
ARFSWOUOSD	06/03/08	PRS/I-0849	ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT (ON-SITE) AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0012&D1)	KDEP	DOE-PPPO	No	I-04812-0122
ARFSWOUOSD	06/25/08	KY8-890-008-982	EXTENSION REQUEST AND PROPOSED MILESTONE MODIFICATION FOR THE SURFACE WATER OPERABLE UNIT (ON-SITE) REMOVAL ACTION AND THE SURFACE WATER OPERABLE UNIT (ON-SITE) REMEDIAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT KY8-890-008-982	KDEP	DOE-PPPO	No	I-04813-0048
ARFSWOUOSD	06/27/08	PPPO-02-536-08	[DOE EXTENDS] NOTIFICATION OF EXTENSION FOR D2 ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT (ON-SITE) AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0012&D2)	DOE-PPPO	USEPA-IV	No	I-04812-0124
ARFSWOUOSD	07/15/08	PRS/I-0875	EXTENSION REQUEST APPROVAL FOR SUBMITTAL OF THE ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT (ON-SITE)(0012&D2)	KDEP	DOE-PPPO	No	I-04812-0133
ARFSWOUOSD	07/17/08		CAB MAY BOARD MEETING-PROPOSED AGENDA FOR THE JULY BOARD MEETING			No	A-00010-1231

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## Paducah Documents Added to the Administrative Record Files Third Quarter CY2008

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
ARFSWOUOSD	08/01/08	PPPO-02-594-08	NOTIFICATION OF SCHEDULE EXTENSION FOR THE SUBMITTAL OF THE D2 ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT (ON-SITE) AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KY (DOE/LX/07-0012&D2)	DOE-PPPO	KDEPA-IV	No	I-04812-0125
ARFSWOUOSD	08/04/08	PPPO-02-594-08	[USEPA-IV GRANTS] REQUEST FOR EXTENSION FOR SUBMITTAL OF THE D2 EE/CA FOR CONTAMINATED SEDIMENT FOR THE SURFACE WATER OU (ONSITE) PADUCAH GASEOUS DIFFUSION PLANT (PGDP)	USEPA-IV	DOE-PPPO	No	I-04812-0126
ARFSWOUOSD	08/14/08	DOE/LX/07-0012&D2	NOTIFICATION OF SCHEDULE EXTENSION FOR THE SUBMITTAL OF THE D2 ENGINEERING EVALUATION COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT(ON-SITE)AT THE PADUCAH GASEOUS DIFFUSION PLANT(DOE/LX/07-0012&D2)	KDEP	DOE-PPPO	No	I-04812-0128
ARFSWOUOSD	08/25/08	PPPO-02-635-08	TRANSMITTAL OF THE ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0012&D2) AND NOTIFICATION OF SCHEDULE EXTENSION	DOE-PPPO	USEPA-IV	No	I-04812-0130
ARFSWOUOSD	08/27/08	DOE/LX/07-0012&D2	PROPOSED EXTENSION REQUEST FOR THE ENGINEERING EVALUATION/COST ANALYSIS FOR CONTAMINATED SEDIMENT ASSOCIATED WITH THE SURFACE WATER OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0012&D2)	USEPA-IV	DOE-PPPO	No	I-04812-0129
ARFSWP	03/04/08	PPPO-02-351-08	MEMORANDUM OF AGREEMENT FOR THE INFORMAL DISPUTE ASSOCIATED WITH THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-2180&D2) MCCRACKEN COUNTY, KENTUCKY, KY8-890-008-982	DOE-PPPO	KDEP	No	I-04610-0109
ARFSWP	03/11/08	DOE/OR/07-2180&D1	[KDEP CONDITIONALLY GRANTS] MEMORANDUM OF AGREEMENT FOR THE INFORMAL DISPUTE ASSOCIATED WITH THE SITE INVESTIGATION REPORT FOR THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT(DOE/OR/07-2180&D2)	KDEP	DOE-PPPO	No	I-04610-0108
ARFSWP	05/15/08		CAB JULY 2008 BOARD MEETING-PROPOSED AGENDA FOR THE MAY BOARD MEETING			No	A-00010-1232
ARFSWP	07/17/08		CAB MAY BOARD MEETING-PROPOSED AGENDA FOR THE JULY BOARD MEETING			No	A-00010-1231

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## Paducah Documents Added to the Post-Decision Files Second Quarter CY2008

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Notes	Object Name
24-PD	03/28/08	DOE/LX/07-0018&D1	EPA LETTER OF CONDITIONAL CONCURRENCE AND COMMENTS ON THE REMOVAL ACTION REPORT FOR THE SCRAP METAL REMOVAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0018&D1)	USEPA-IV	DOE-PPPO, PRS	OUO	I-01718-0005
24-PD	03/28/08		EPA LETTER OF CONDITIONAL CONCURRENCE AND COMMENTS ON THE REMOVAL ACTION REPORT FOR THE SCRAP METAL REMOVAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0018&D1)	USEPA-IV	DOE-PPPO, BOYD R.	OUO	I-01718-0006
55-PD	11/30/07		[USEPA] CONDITIONAL CONCURRENCE ON THE REMOVAL ACTION REPORT FOR THE C-402 LIME HOUSE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0010&D1)	PGDP	DOE-PPPO, PRS	NO	I-05116-0062
6PHASE-PD	12/06/07	PPPO-02-132-08	[DOE] COMMENTS ON REMEDIAL ACTION WORK PLAN FOR THE INTERIM REMEDIAL ACTION FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0004&D1) PRIMARY DOCUMENT	DOE-PPPO	PRS	NO	I-04616-0047
6PHASE-PD	01/15/08	DOE/LX/07/0005&D2	[KDEP GRANTS] EXTENSION REQUEST FOR RESPONSE TO THE EPA AND THE KDEP COMMENTS TO THE RDR 90% DESIGN DRAWINGS AND TECHNICAL SPECIFICATIONS PACKAGE FOR THE GROUNDWATER OPERABLE UNIT FOR THE PGDP(DOE/LX/07-0005&D2) PADUCAH, MCCRACKEN CTY, KY KY8-890-008-982	KDEP	DOE-PPPO, PRS	NO	I-04615-0038
6PHASE-PD	02/14/08	PPPO-02-262-08, DOE/LX/07-0005&D2	TRANSMITTAL OF THE REMEDIAL DESIGN REPORT, CERTIFIED FOR CONSTRUCTION DESIGN DRAWINGS & SPECIFICATIONS PACKAGE FOR GROUNDWATER OPERABLE UNIT FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING	DOE-PPPO	KDEP, USEPA-IV	NO	I-04615-0036
6PHASE-PD	03/28/08	DOE/LX/07-0004&D1	[EPA] COMMENTS ON THE REMEDIAL ACTION WORK PLAN FOR THE INTERIM REMEDIAL ACTION FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KY	USEPA-IV	DOE-PPPO, PRS	NO	I-04616-0048
6PHASE-PD	01/10/08	PRS/I-0746, PPPO-02-245-08	FEDERAL FACILITY AGREEMENT MANAGERS' AND MID MANAGERS MEETING CONDUCTED NOVEMBER 15, 2007	DOE-PPPO	KDEP, USEPA-IV	NO	I-02001-0611
C-410-PD, 55-PD	03/20/08		CITIZENS ADVISORY BOARD MARCH 2008 BOARD MEETING, PROPOSED AGENDA FOR THE MARCH BOARD MEETING	CAB		NO	A-00010-1230
WP-PD	03/27/08	ENM-L-0700	TRANSMITTAL OF REVISED WATER POLICY LICENSE AGREEMENT	PRS		NO	I-02102-0247

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## Paducah Documents Added to the Post-Decision Third Quarter CY2008

Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
24-PD	03/25/08	SPRS/D-0040	[KDEP APPROVES] APPROVAL OF THE REMOVAL ACTION REPORT FOR THE SCRAP METAL REMOVAL ACTION PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE-PPPO	No	I-01702-0131
24-PD	05/27/08	PRS/D-0043	[KDEP APPROVES] APPROVAL OF THE REMOVAL ACTION REPORT FOR THE SCRAP METAL REMOVAL ACTION PADUCAH GASEOUS DIFFUSION PLANT KY8-890-008-982	KDEP	DOE-PPPO	No	I-01702-0130
55-PD	07/30/08	4SFD-FFB	REVIEW OF THE REMOVAL ACTION REPORT FOR THE C-405 INCINERATOR AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0106&D1)	USEPA-IV	DOE-PPPO	No	I-05116-0067
55-PD	08/13/08	DOE/LX/07-106&D1	APPROVAL OF THE REMOVAL ACTION REPORT FOR THE C-405 INCINERATOR AT THE PADUCAH ENVIRONMENTAL REMEDIATION PROJECT DOE/LX/07-0106&D1	KDEP	DOE-PPPO	No	I-05116-0070
55-PD	08/28/08	DOE/LX/07-0122&D1	REVIEW OF THE REMOVAL ACTION REPORT FOR THE C-746-A WEST END SMELTER AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP) (DOE/LX/07-0122&D1)	USEPA-IV	DOE-PPPO	No	I-05116-0071
6PHASE-PD	01/15/08	PRS/I-0770	[KDEP GRANTS] EXTENSION REQUEST FOR RESPONSE TO THE USEPA AND KDEP COMMENTS ON THE REMEDIAL DESIGN REPORT 90% DESIGN DRAWINGS AND TECHNICAL SPECIFICATIONS PACKAGE FOR THE GROUNDWATER OPERABLE UNIT FOR PGDP (DOE/LX/07-0005&D2) KY8-890-008-982	KDEP	DOE-PPPO	No	I-04615-0042
6PHASE-PD	03/03/08	PRS/I-0783	[KDEP RESPONSE]REQUEST FOR APPROVAL TO REMOVE INTERFERING INFRASTRUCTURE AT THE C-400 CLEANING BUILDING IN ADVANCE OF REGULATORY APPROVAL OF THE REMOVAL ACTION WORK PLAN KY8-890-008-982	KDEP	DOE-PPPO	No	I-04616-0059
6PHASE-PD	03/18/08	PRS/I-0791	REQUEST TO EXTEND REVIEW PERIOD FOR REMEDIAL DESIGN REPORT, CERTIFIED FOR CONSTRUCTION DESIGN DRAWINGS AND TECHNICAL SPECIFICATION PACKAGE FOR GWOU FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BLDG AT PGDP (DOE/LX/07-0005&D2)	KDEP	DOE-PPPO	No	I-04615-0044
6PHASE-PD	04/15/08	DOE/LX/07-0005&D2	REQUEST TO EXTEND REVIEW PERIOD FOR REMEDIAL DESIGN REPORT, CERTIFIED FOR CONSTRUCTION DESIGN DRAWINGS AND TECHNICAL SPECIFICATION PACKAGE, FOR THE GROUNDWATER OPERABLE UNIT FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT C-400 CLEANING BLDG AT PGDP	KDEP	DOE-PPPO	No	I-04615-0051
6PHASE-PD	04/25/08	PPPO-02-410-08	NOTIFICATION OF SCHEDULE EXTENSION FOR THE REMEDIAL ACTION WORK PLAN FOR THE INTERIM REMEDIAL ACTION FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0004&D1)	DOE-PPPO	USEPA-IV	No	I-04616-0055
6PHASE-PD	05/15/08		CAB JULY 2008 BOARD MEETING-PROPOSED AGENDA FOR THE MAY BOARD MEETING	112		No	A-00010-1232

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Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
6PHASE-PD	06/02/08	PRS/I-0856	EXTENSION REQUEST FOR SUBMITTAL OF THE D2 REMEDIAL ACTION WORK PLAN FOR THE INTERIM REMEDIAL ACTION FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BLDG AT PGDP (DOE/LX/07-0004&D1) KY8-890-008-982	KDEP	DOE-PPPO	No	I-04616-0052
6PHASE-PD	06/10/08	PPPO-02-508-08	REQUEST FOR SCHEDULE EXTENSION FOR INVOKING INFORMAL DISPUTE FOR THE REMEDIAL DESIGN REPORT, CERTIFIED FOR CONSTRUCTION DESIGN DRAWINGS AND TECHNICAL SPECIFICATIONS PACKAGE, FOR THE GWOU FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANIN	DOE-PPPO	KDEP	No	I-04615-0040
6PHASE-PD	06/11/08	PPPO-02-563-08	REQUEST FOR SCHEDULE EXTENSION FOR INVOKING INFORMAL DISPUTE FOR THE REMEDIAL DESIGN REPORT, CERTIFIED FOR CONSTRUCTION DESIGN DRAWINGS AND TECHNICAL SPECIFICATIONS PACKAGE, FOR THE GWOU FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT C-400 CLEANING	DOE-PPPO	USEPA	No	I-04615-0045
6PHASE-PD	07/03/08	DOE/LX/07-0004&D2	NOTIFICATION OF AUTOMATIC EXTENSION FOR REVIEW OF THE D2 REMEDIAL ACTION WORK PLAN FOR THE VOC CONTAMINATION AT THE C-400 BUILDING, PGDP (DOE/LX/07-0004&D2)	USEPA-IV	DOE-PPPO	No	I-04616-0054
6PHASE-PD	07/09/08	DOE/LX/07-0005D2-R1	APPROVAL OF THE D2, REV 1 100% REMEDIAL DESIGN REPORT CERTIFIED FOR CONSTRUCTION FOR THE INTERIM REMEDIAL ACTION FOR THE GWOU AT C-400 CLEANING BUILDING AT PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07/0005 DE-R1)	USEPA-IV	DOE-PPPO	No	I-04615-0046
6PHASE-PD	07/17/08		CAB MAY BOARD MEETING-PROPOSED AGENDA FOR THE JULY BOARD MEETING			No	A-00010-1231
6PHASE-PD	07/18/08	PPPO-02-581-08	TRANSMITTAL OF THE CONSTRUCTION QUALITY CONTROL PLAN FOR THE INTERIM REMEDIAL ACTION FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0031&D2)	DOE-PPPO	USEPA-IV	No	I-04615-0048
6PHASE-PD	07/28/08		[EPA APPROVES] APPROVAL OF REQUEST FOR EARLY ACTION TO REMOVE INFRASTRUCTURE AT THE C-400 CLEANING BUILDING INTERIM REMEDIAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP) (REF. DOE LETTER OF JANUARY 29, 2008)	USEPA-IV	DOE-PPPO	No	I-04616-0057
6PHASE-PD	07/31/08	KY8-890-008-982	[KDEP RECONSIDERS] REQUEST FOR APPROVAL TO REMOVE INTERFERING INFRASTRUCTURE AT THE C-400 CLEANING BUILDING IN ADVANCE OF REGULATORY APPROVAL OF THE REMOVAL ACTION WORK PLAN	KDEP	DOE-PPPO	No	I-04616-0056

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Document Status	Date On Document	Document Id	Title	Author Affiliation	To Affiliation	Protected Information	Object Name
6PHASE-PD	08/13/08	4SFD-FFB	EPA REVIEW OF THE COMMENT RESPONSE SUMMARY FOR THE D1 CONSTRUCTION QUALITY CONTROL PLAN FOR THE INTERIM REMEDIAL ACTION AT THE C-400 CLEANING BUILDING AT THE PADUCAH GASEOUS DIFFUSION PLANT	USEPA-IV	DOE-PPPO	No	I-04616-0058
6PHASE-PD	08/29/08	DOE/LX/07-0004&D2	CONDITIONAL CONCURRENCE FOR THE REMEDIAL ACTION WORK PLAN FOR THE INTERIM REMEDIAL ACTION FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KY (DOE/LX/07-0004&D2)KY8-890-008-982	KDEP	DOE-PPPO	No	I-04616-0060
6PHASE-PD	09/02/08	DOE/LX/07-0031&D2	[KDEP] APPROVAL OF THE CONSTRUCTION QUALITY CONTROL PLAN FOR THE INTERIM REMEDIAL ACTION FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0031&D2)	KDEP	DOE-PPPO	No	I-04615-0049

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