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Department of Energy

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OCT 28 2019

PPPO-02-10001153-20B

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Kentucky Department for Environmental Protection
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Ms. Julie Corkran
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Ms. April Webb
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Division of Waste Management
Kentucky Department for Environmental Protection
300 Sower Boulevard 2nd Floor
Frankfort, Kentucky 40601

ENV 1.J.1-01372

Dear Mr. Begley, Ms. Corkran, and Ms. Webb:

U.S. DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT FEDERAL FACILITY AGREEMENT SEMIANNUAL PROGRESS REPORT FOR THE SECOND HALF OF FISCAL YEAR 2019, PADUCAH, KENTUCKY (DOE/LX/07-2440/V2)

Enclosed is the *U.S. Department of Energy Paducah Gaseous Diffusion Plant Federal Facility Agreement Semiannual Progress Report for the Second Half of Fiscal Year 2019, Paducah, Kentucky*, DOE/LX/07-2440/V2, and the associated certification page. This report is required by Sections XXIII and XXXII.F of the Federal Facility Agreement and Part IV, "Corrective Action," of the Hazardous Waste Management Facility Permit.

If you have any questions or require additional information, please contact me at (270) 441-6862.

Sincerely,

Tracey Duncan
Federal Facility Agreement Manager
Portsmouth/Paducah Project Office

Enclosures:
1. Certification Page
2. FFA Semiannual Progress Report for the Second Half of Fiscal Year 2019

General Reference Compendium

cc w/enclosures:
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CERTIFICATION

Document Identification: ***U.S. Department of Energy Paducah Gaseous Diffusion Plant Federal Facility Agreement Semiannual Progress Report for the Second Half of Fiscal Year 2019, Paducah, Kentucky,*** **DOE/LX/07-2440/V2, October 2019**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those 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.

Four Rivers Nuclear Partnership, LLC

Myrna E. Redfield, Program Manager
Four Rivers Nuclear Partnership, LLC

10/25/19
Date Signed

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those 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

Jennifer Woodard, Paducah Site Lead
Portsmouth/Paducah Project Office
U.S. Department of Energy

10/25/19
Date Signed

DOE/LX/07-2440/V2
Secondary Document

U.S. Department of Energy
Paducah Gaseous Diffusion Plant
Federal Facility Agreement
Semiannual Progress Report for the
Second Half of Fiscal Year 2019
Paducah, Kentucky

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DOE/LX/07-2440/V2
Secondary Document

U.S. Department of Energy Paducah Gaseous Diffusion Plant Federal Facility Agreement Semiannual Progress Report for the Second Half of Fiscal Year 2019 Paducah, Kentucky

Date Issued—October 2019

U.S. DEPARTMENT OF ENERGY
Office of Environmental Management

Prepared by
FOUR RIVERS NUCLEAR PARTNERSHIP, LLC,
managing the
Deactivation and Remediation Project at the
Paducah Gaseous Diffusion Plant
under Contract DE-EM0004895

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ACRONYMS

AOC	area of concern
AR	Administrative Record
BGOU	Burial Grounds Operable Unit
CAB	Citizens Advisory Board
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CRP	Community Relations Plan
DOE	U.S. Department of Energy
EIC	Environmental Information Center
EPA	U.S. Environmental Protection Agency
ESD	explanation of significant difference
EW	extraction well
FFA	Federal Facility Agreement
FRNP	Four Rivers Nuclear Partnership, LLC
FS	feasibility study
FY	fiscal year
GDP	gaseous diffusion plant
GRC	general reference compendium
GWOU	Groundwater Operable Unit
IRA	interim remedial action
KDEP	Kentucky Department for Environmental Protection
MOA	memorandum of agreement
MW	monitoring well
NE	northeast
NEPCS	Northeast Plume Containment System
NTCRA	non-time-critical removal action
NTU	nephelometric turbidity unit
NWPGS	Northwest Plume Groundwater System
O&M	operation and maintenance
OU	operable unit
PD	post decision
PGDP	Paducah Gaseous Diffusion Plant
RI	remedial investigation
ROD	record of decision
SEC	Senior Executive Committee
SMP	Site Management Plan
SOU	Soils Operable Unit
SST	Swift & Staley Team
SWMU	solid waste management unit
SWOU	Surface Water Operable Unit
VOC	volatile organic compound
WAG	waste area group

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

INTRODUCTION

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

In past Site Management Plans (SMPs), site cleanup activities were divided into (1) pre-gaseous diffusion plant (GDP) shutdown scope, (2) post-GDP shutdown scope, and (3) Comprehensive Site Operable Unit scope. The pre-GDP shutdown scope was associated with media-specific operable units (OUs) initiated prior to shutdown of the operating GDP (i.e., Pre-GDP shutdown Activities). Site cleanup activities now are being integrated into the following OUs.

- C-400 Complex OU
- Groundwater OU (GWOU)
- Surface Water OU (SWOU)
- Soils OU (SOU)
- Burial Grounds OU (BGOU)
- Facility Decontamination and Decommissioning OU
- Lagoons OU
- Depleted Uranium Hexafluoride (DUF_6) Footprint Underlying Soils OU
- Soils and Slabs OU
- CERCLA Waste Disposal Disposal Alternatives OU
- Comprehensive Site OU

Section XXIII of the FFA requires that DOE prepare a regulatory semiannual progress report that describes the actions that DOE has taken during the previous six months to implement FFA requirements, as well as the schedules[1] of activities to be taken during the upcoming six months. Activities that have taken place after the reporting period end date are not included in this report, but will be included in the reporting period in which they occur. Projects and activities reported in this update are grouped by the OUs listed in Table 1.

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

Table 1. Operable Units and Corresponding Report Topics

Operable Unit	Project/Activities
C-400 Complex Operable Unit	• C-400 Demolition Removal Action • C-400 Final Remedial Action
Groundwater Operable Unit	• C-400 Interim Remedial Action (IRA) • Southwest Plume Sources Remedial Action • Dissolved-Phase Plumes Remedial Action • Northeast Plume IRA • Northwest Plume IRA
Burial Grounds Operable Unit	• Burial Grounds Operable Unit • C-749 Uranium Burial Ground Solid Waste Management Unit (SWMU) 2
Surface Water Operable Unit	• Remedial Action
Soils Operable Unit	• Remedial Action
Additional Reporting	• Waste Area Groups (WAGs) 1 and 7 • Community Relations Plan (CRP) • SMP • CERCLA Waste Disposal Alternatives OU • CERCLA Five-Year Review • Plant Industrial Area Vapor Intrusion Assessment

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

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

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

III. Identity and assigned tasks of DOE contractors for work to be performed during this reporting period

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

V. Primary/Secondary Document Tracking System

A) Documents under review and/or preparation for this reporting period
B) Due dates for completion of review/modification tasks

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

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

VIII. Changes in relevant personnel

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

Each section satisfies a reporting requirement for the FFA Semiannual Progress Report or the Hazardous Waste Management Facility Permit and has been formatted in accordance with the template found in Appendix D of the FFA.

This report includes six appendices as follows.

- Appendix A contains Northeast and Northwest Plumes Water Withdrawal Reports for this reporting period.

- Appendix B contains Figures B.1 through B.29, as referenced in the Northeast and Northwest Plume updates. Appendix B also contains a summary of data through June 30, 2019, associated with the CERCLA outfall for Northeast Plume and data associated with the Northeast Plume Optimization transect monitoring wells (MWs).

- Appendix C contains a map depicting MW locations for the C-746-K Landfill; a figure summarizing the trichloroethene (TCE) concentrations in these wells over time; and a summary of the C-746-K Landfill groundwater monitoring data from May 1994 through June 30, 2019. These data currently are collected semiannually. Sampling of these monitoring wells is outlined in the Record of Decision (ROD) for WAGs 1 and 7.

- Appendix D contains updates to the Administrative Record (AR) index since the last progress report. This is required by the Paducah FFA (Section XXXII.F). In October 2018, DOE began a comprehensive review of the Paducah Environmental Information Center (EIC) to ensure that the project document files were complete. As part of this effort, DOE reorganized the Paducah EIC to include the original three categories: 1) AR File, 2) Post-Decision (PD) File, and 3) General Reference Compendium (GRC); and added 4) AR Reference File and 5) AR Archive File. The AR Reference File contains programmatic documents that support the AR (e.g., SMP, Risk Methods Document). As a result of this reorganization of the EIC, Appendix D has been expanded to include updates to the AR index that include the AR File, PD File, and AR Reference File.

  The AR Archive File contains documents for projects that originally were expected to have a decision document (i.e., ROD or Action Memorandum), but had been resequenced prior to a final decision. These documents have been archived within the AR Archive File to establish future AR files for projects and, as a result, are not included in Appendix D. The AR Archive File can be viewed on the EIC website.

  The GRC, which supplements the Paducah AR, contains technical documents associated with the Paducah Site that do not meet the CERCLA criteria of an AR File or a PD File (e.g., CRP, CERCLA Five-Year Review, Annual Site Environmental Report), but are deemed important in understanding the Paducah Site environmental remedial efforts. Because the GRC is not part of the AR, it is not included as part of the update to Appendix D. The GRC can be viewed on the EIC website.

- Appendix E contains figures depicting the C-400 MW locations and summaries of the C-400 groundwater trends for TCE and technetium-99 (Tc-99) from June 2009 through June 30, 2019.

- Appendix F contains figures depicting the C-749 Uranium Burial Ground (SWMU 2) groundwater monitoring wells and a summary of the SWMU 2 trends for TCE and Tc-99 for reporting dates 1993 through June 30, 2019.

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

C-400 COMPLEX OPERABLE UNIT

The C-400 Complex OU was established in a *Memorandum of Agreement on the C-400 Complex under the Federal Facility Agreement for the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, signed August 8, 2017 (MOA); the agreement then was incorporated into the SMP. The following two projects are included in the C-400 Complex OU.

- C-400 Demolition Removal Action
- C-400 Final Remedial Action

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

C-400 COMPLEX OPERABLE UNIT: C-400 Demolition Removal Action

The C-400 Demolition Removal Action is a CERCLA non-time-critical removal action (NTCRA) that will result in the demolition and disposal of the C-400 Cleaning Building structure down to the building slab. The building's foundation and concrete slab floor will remain in place at the end of the removal action.

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

- Distributed the signed *Memorandum of Agreement for Resolution of Formal Disputes on EPA Conditional Concurrence on the Removal Notification for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2420&D2 *and the Engineering Evaluation/Cost Analysis for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2425&D2, (MOA) on August 12, 2019.

- Developed and submitted a draft Memorandum entitled *Suspension of the D1 and D2 Comprehensive Environmental Response, Compensation, and Liability Act Documents Associated with the C-400 Cleaning Building Non-Time-Critical Removal Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky* in accordance with the signed *Memorandum of Agreement for Resolution of Formal Disputes on EPA Conditional Concurrence on the Removal Notification for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2420&D2 *and the Engineering Evaluation/Cost Analysis for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2425&D2, to EPA and Kentucky for review on August 28, 2019.

- Received EPA and Kentucky comments on the draft Memorandum entitled *Suspension of the D1 and D2 Comprehensive Environmental Response, Compensation, and Liability Act Documents Associated with the C-400 Cleaning Building Non-Time-Critical Removal Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* on September 11, 2019, and September 16, 2019, respectively.

- Finalized the Memorandum entitled *Suspension of the D1 and D2 Comprehensive Environmental Response, Compensation, and Liability Act Documents Associated with the C-400 Cleaning Building Non-Time-Critical Removal Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*. (Note: The final version of the Memorandum was submitted to EPA and Kentucky on October 2, 2019, during preparation of this FFA Semiannual Progress Report. EPA approval also was received on October 2, 2019.)

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

- Submit Memorandum to File, *Suspension of the D1 and D2 Comprehensive Environmental Response, Compensation, and Liability Act Documents Associated with the C-400 Cleaning Building Non-Time-Critical Removal Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky* required by Item 5 of the *Memorandum of Agreement for Resolution of Formal Disputes on EPA Conditional Concurrence on the Removal Notification for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2420&D2 *and the Engineering Evaluation/Cost Analysis for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2425&D2. (Note: The final version of the Memorandum was submitted to EPA and Kentucky on October 2, 2019, during preparation of this FFA Semiannual Progress Report.)

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

- Reporting responsibility for the work to be performed in support of the C-400 Complex OU belongs to Four Rivers Nuclear Partnership, LLC (FRNP). FRNP also provides programmatic and technical support, analytical services, and business management services. Swift & Staley Team (SST) manages the AR and the EIC for DOE.

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

- The requirements and time schedules, as documented in the *Memorandum of Agreement for Resolution of Formal Disputes on EPA Conditional Concurrence on the Removal Notification for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2420&D2 *and the Engineering Evaluation/Cost Analysis for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2425&D2, are being met.

V. Primary/Secondary Document Tracking System:

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

- The *Memorandum of Agreement for Resolution of Formal Disputes on EPA Conditional Concurrence on the Removal Notification for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2420&D2 *and the Engineering Evaluation/Cost Analysis for Demolition of the C 400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2425&D2, has been under development and under EPA and Kentucky review during this reporting period.

- The Memorandum entitled, *Suspension of the D1 and D2 Comprehensive Environmental Response, Compensation, and Liability Act Documents Associated with the C-400 Cleaning Building Non-Time-Critical Removal Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, has been under development and under EPA and Kentucky review during this reporting period.

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

- None.

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

- None.

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

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- None.

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

C-400 COMPLEX OPERABLE UNIT: C-400 Final Remedial Action

The C-400 Final Remedial Action will investigate the C-400 Complex OU and associated SWMUs, evaluate potential remedial alternatives, develop decision documents selecting an alternative(s), and design and implement the remedial alternative(s).

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

- Received extension notifications of 30 days for comments on the *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D1, (RI/FS) from Kentucky and EPA on March 25, 2019, and March 26, 2019, respectively; extension resulted in a new deadline of April 24, 2019, for receipt of EPA and Kentucky comments on the document.

- Received Kentucky and EPA comments on the *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D1, on May 10, 2019, and May 22, 2019, respectively.

- Held comment resolution meetings with EPA and Kentucky on multiple occasions by telephone and in-person to resolve comments on the *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D1.

- Submitted a 60-day schedule extension notification to EPA and Kentucky on July 17, 2019, for issuance of the *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D2, extending the date from July 21, 2019, to September 19, 2019.

- Developed the *Paducah Gaseous Diffusion Plant C-400 Basement Slab and Subsurface Structures Data Summary Report*, DOE/LX/07-2442&D1, in accordance with terms and condition #6 of the *Memorandum of Agreement for Resolution of Formal Disputes on EPA Conditional Concurrence on the Removal Notification for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2420&D2 *and the Engineering Evaluation/Cost Analysis for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2425&D2. This document was submitted as an appendix in the *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D2.

- Developed and submitted to EPA and Kentucky the *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D2, on September 18, 2019.

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

- Receive EPA and Kentucky approval of the *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D2. [Note: On October 1, 2019, the FFA Parties (i.e., EPA and Kentucky) approved the D2 RI/FS Work Plan during preparation of this FFA Semiannual Progress Report.]

- Initiate RI/FS fieldwork in accordance with the approved *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D2.

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

- Reporting responsibility for the work to be performed in support of the C-400 Complex OU belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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

Requirements for the C-400 Complex Remedial Action are being met consistent with the following documents:

- *Memorandum of Agreement on the C-400 Complex under the Federal Facility Agreement for the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, signed August 8, 2017;

- *Memorandum of Agreement for Resolution of Formal Dispute Regarding the Non-Concurrence by EPA and KDEP on the DOE Milestone Modification Request for Submittal of the Revised Proposed Plan for the Volatile Organic Compound Contamination at the C-400 Cleaning Building at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* (DOE/LX/07-2407&D1), signed September 28, 2017;

- *Memorandum of Agreement for Resolution of Formal Disputes on EPA Conditional Concurrence on the Removal Notification for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2420&D2 and the *Engineering Evaluation/Cost Analysis for Demolition of the C-400 Cleaning Building in the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2425&D2, signed August 1, 2019; and

- *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, *Annual Revision—FY 2018 and FY 2019*, DOE/LX/07-2418&D2/R2.

V. Primary/Secondary Document Tracking System:

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

- The *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D1, was under EPA and Kentucky review during this reporting period.

- The *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D2, was under development and under EPA and Kentucky review during this reporting period.

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

- The *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D2, was due within 60 calendar days of receipt of EPA and Kentucky comments, or July 21, 2019. DOE requested a 60-day extension making the D2 document due on September 19, 2019.

- Comments on the *Remedial Investigation/Feasibility Study Work Plan for the C-400 Complex Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2433&D2, are due within 30 calendar days of issuance, or October 18, 2019.

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

- None.

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

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- None.

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GROUNDWATER OPERABLE UNIT

The scope of the GWOU includes performing investigations, conducting baseline risk assessments, evaluating removal/remedial alternatives, and selecting and implementing actions necessary to achieve protection of human health and the environment from exposure to groundwater contamination that could result in an unacceptable risk.

Within the GWOU are these projects: C-400 IRA, Southwest Plume Sources Remediation, Dissolved-Phase Plumes, Northeast Plume IRA, and Northwest Plume IRA.

The overall objective of the GWOU is to remove/mitigate ongoing sources and to remediate the groundwater to target contaminant concentrations. The predominant contaminant of concern in the groundwater of all three plumes is TCE. Table 2 provides an overall picture of the TCE mass removed [TCE values may contain other volatile organic compounds (VOCs)] by various actions.

Table 2. Cumulative TCE* Removed at Paducah

Source Area	Cumulative TCE Removed (gal)*
Northwest Plume Pump-and-Treat	3,734**
Northeast Plume Pump-and-Treat	333**
C-400 Six-Phase Treatability Study	1,900
C-400 Phase I	535
C-400 Phase IIa	1,137
Southwest Plume (SWMU 1)	24***
Other sources (i.e., SWMU 91–LASAGNA™)	246
Total	7,909

*TCE values may contain other VOCs.
**Cumulative through June 30, 2019.
***Removed during deep soil mixing operations.

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

GROUNDWATER OPERABLE UNIT PROJECT: C-400 IRA

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

- Continued long-term monitoring per the C-400 IRA and annual inspections.
- Removed abovegrade, abandoned C-400 IRA treatment equipment from the east side of C-400 Cleaning Building to prepare for implementing the C-400 Complex OU RI/FS.

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

- Continue long-term monitoring per the C-400 IRA and annual inspections.

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

- Reporting responsibility for the work to be performed in support of the C-400 IRA belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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

The requirements for the C-400 IRA are being met consistent with the following documents:

- *Memorandum of Agreement on the C-400 Complex under the Federal Facility Agreement for the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, signed August 8, 2017; and
- *Memorandum of Agreement for Resolution of Formal Dispute Regarding the Non-Concurrence by EPA and KDEP on the DOE Milestone Modification Request for Submittal of the Revised Proposed Plan for the Volatile Organic Compound Contamination at the C-400 Cleaning Building at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* (DOE/LX/07-2407&D1), signed September 28, 2017.

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:

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- Sampling of the C-400 wells has been incorporated into the Environmental Monitoring Program. O&M cost for sampling for the C-400 IRA Project is not tracked separately.

FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

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):

SWMU 1

- Performed semiannual sampling of SWMU 1 monitoring well network as required by the *Remedial Action Work Plan for In Situ Source Treatment by Deep Soil Mixing of the Southwest Groundwater Plume Volatile Organic Source at the C-747-C Oil Landfarm (Solid Waste Management Unit 1) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-1287&D2.

SWMUs 211-A and 211-B

- Received Kentucky and EPA comments on the *30% Remedial Design Report for SWMU 211-A and SWMU 211-B for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2435&D1, on April 29, 2019.

- Developed and issued the 60*% Remedial Design Report for SWMU 211-A for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2435&D1, to EPA and Kentucky on June 28, 2019.

- Received EPA and Kentucky comments on the 60*% Remedial Design Report for SWMU 211-A for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2435&D1, on August 16, 2019.

- Initiated development of the *90% Remedial Design Report for SWMU 211-A for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2435&D1, for issuance the next reporting period.

- Initiated development of the *Remedial Action Work Plan for SWMU 211-A Enhanced In Situ Bioremediation for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2443&D1, for issuance the next reporting period.

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

SWMU 1

- Continue with SWMU 1 semiannual sampling of monitoring wells.

SWMUs 211-A and 211-B

- Complete and issue for review to EPA and Kentucky the *90% Remedial Design Report for SWMU 211-A for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2435&D1.

- Complete and issue for review to EPA and Kentucky the *Remedial Action Work Plan for SWMU 211-A Enhanced In Situ Bioremediation for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2443&D1.

- Receive EPA and Kentucky comments on the *90% Remedial Design Report for SWMU 211-A for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2435&D1.

- Receive EPA and Kentucky comments on the *Remedial Action Work Plan for SWMU 211-A Enhanced In Situ Bioremediation for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2443&D1.

- Develop and issue to EPA and Kentucky the *Remedial Design Report for SWMU 211-A for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2435&D2.

- Develop and issue to EPA and Kentucky the *Remedial Action Work Plan for SWMU 211-A Enhanced In Situ Bioremediation for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2443&D2.

- Initiate development of procurement documents for implementation of the SWMU 211-A Enhanced *In Situ* Bioremediation remedial action.

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

- Reporting responsibility for the work to be performed in support of the Southwest Plume Sources belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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

- The requirements for the SWMU 1 portion of the Southwest Plume sources remedial action subproject have been met consistent with the SMP and as agreed to by the FFA parties.

- The requirements for the SWMUs 211-A and 211-B portion of the Southwest Plume subproject are being met consistent with the SMP and as agreed to by the FFA parties.

V. Primary/Secondary Document Tracking System:

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

- *60% Remedial Design Report for SWMU 211-A for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2435&D1, was under development and was under review and by EPA and Kentucky during this reporting period.

- *90% Remedial Design Report for SWMU 211-A for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2435&D1, was under development during this reporting period.

- *Remedial Action Work Plan for SWMU 211-A Enhanced In Situ Bioremediation for Volatile Organic Compound Sources to the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2443&D1, was under development during this reporting period.

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

- None.

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

- None.

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

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

- EPA identified Victor Weeks as the Remedial Project Manager for SWMU 211-A on August 5, 2019.

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

- None.

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

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):

- The Modeling Working Group met during this reporting period on April 10, 2019, and July 17, 2019.
- A compendium of Modeling Working Group meeting summaries and white papers is being reviewed by the group. Once complete, the compendium will be published.

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

- Install MW583 to replace well MW152. (The replacement well installation is awaiting completion of Tennessee Valley Authority field construction.)

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

- Reporting responsibility for the work to be performed in support of the Dissolved-Phase Plume belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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

- No requirements are scheduled for this project during the upcoming reporting period. The Modeling Working Group will continue to support Paducah Site projects.

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:

- DOE provided routine updates on the subproject to the Paducah Site CAB, FFA project managers, FFA senior managers, local elected officials, and/or congressional staff, as applicable.

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- None.

FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

GROUNDWATER OPERABLE UNIT PROJECT: Northeast Plume IRA

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

- During this reporting period, the Northeast Plume Containment System (NEPCS) treated 38,914,237 gal of contaminated groundwater, with an average system treatment rate for the reporting period of 148 gal/min. The system is designed so that continuous operation of the NEPCS is possible when only one of the two extraction wells (EWs) is functional. The NEPCS achieved an average operational efficiency, as a whole, of 84.8%. Operational online efficiencies for the reporting period for C-765 were as follows: April 2019, 99.9%; May 2019, 99.7%; June 2019, 29.4%; July 2019, 67.2%; August 2019, 99.8%; and September 2019, 99.9%. Operational online efficiencies for the reporting period for C-765-A were as follows: April 2019, 100%; May 2019, 98%; June 2019, 97.3%; July 2019, 91.1%; August 2019, 35.5%; September 2019, 99.9%.

- During this reporting period, a quarterly chronic toxicity failure for water flea (*Ceriodaphnia dubia*) at CERCLA Outfall C001 occurred. The failing sample was collected during the sampling event that began on July 15, 2019. Retesting started August 5, 2019, and the retest results did not exceed the limit provided in the O&M Plan. The investigation was complete, but the exact cause of the chronic toxicity failure remains unknown. Because the retest yielded passing results, normal quarterly toxicity testing will resume as required. Data associated with the CERCLA Outfall C001 is found in Appendix B.

A) Process Operations:

The NEPCS consists of two EWs (EW234 and EW235), transfer piping, two treatment units for air stripping and suspended solids removal, and monitoring well network. The old extraction wells, EW331 and EW332, equalization tank, and old transfer piping have been placed in standby mode.

B) Process Testing:

Operation of the NEPCS began February 28, 1997. As of September 30, 2019, the NEPCS has processed a total of approximately 1,901,827,526 gal of water. The monthly withdrawal volumes for this reporting period are presented in Appendix A, Table A.1, of this report. This table includes a summary of the withdrawn water volumes and average daily rates.

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

Due to sample analysis time and the data assessment process, the analytical data included in this report lags operational data by three months. This report presents analytical data from January through June 2019.

The influent flow is a composite from two extraction wells. Influent TCE analytical data from 1997 through the end of June 2019 are presented in Appendix B. Environmental samples were collected monthly from the treatment system influent and weekly from the treatment system effluent for the period of January through June 2019. High, low, and average influent and effluent TCE concentrations for these months are presented in Table 3.

Table 3. TCE Concentrations for Northeast Plume

	TCE (µg/L)		
	High	**Low**	**Average**
Influent C-765 (EW234)	142	110	128
Influent C-765-A (EW235)	205	116	146
Effluent from C-765	< 1	< 1	< 1
Effluent from C-765-A	< 1	< 1	< 1
Effluent (CERCLA Outfall C001)	< 1	< 1	< 1

As presented in Table 3, the NEPCS continued to remove TCE effectively. The systems operated with an average removal efficiency of 99.2% for EW234 and 99.3% for EW235 for TCE.

The extraction wells were sampled monthly during this reporting period. For the period January through June 2019, EW234 had an average TCE concentration of 128 µg/L, while EW235 had an average concentration of 146 µg/L.

Treated groundwater for the Northeast Plume is discharged to a CERCLA outfall, and data associated with the CERCLA outfall are included as part of Appendix B of this report.

D) Maintenance Activities:

Routine Maintenance Activities:

Daily, monthly, quarterly, and annual routine maintenance activities were conducted in accordance with the *Northwest/Northeast Plume Daily Operational Data Collection and Maintenance*, CP4-ER-0017.

- C-765-A system shut down for a total of 2 hours and 30 minutes for planned maintenance during the reporting period.

- C-765 system shut down for a total of 2 hours and 30 minutes for planned power outage for power operations during this reporting period.

Non-routine Maintenance Activities:

- C-765 system shut down for a total of 40.5 hours due to extraction well communication failure during the reporting period.

- C-765 system shut down from June 9, 2019, to July 9, 2019, for 712 hours and 30 minutes due to extraction well pump/motor failure. Pump and motor were replaced, and system was restarted on July 9, 2019.

- C-765 system shut down for a total of 1 hour for unplanned maintenance during this reporting period.

- C-765-A system shut down for a total of 15 hours and 15 minutes due to extraction well low level alarm during this reporting period.

- C-765-A system shut down for a total of 22 hours and 45 minutes due to extraction well communication failure during this reporting period.

- C-765-A system shut down for a total of 13 hours and 45 minutes due to Kentucky Utilities power outage during this reporting period.

- C-765-A system shut down from July 29, 2019, to August 20, 2019, for 525 hours and 15 minutes due to extraction well pump/motor failure. Pump and motor were replaced, and system was restarted on August 20, 2019.

- C-765-A system shut down for a total of 45 minutes due to plant power outage during this reporting period.

- C-765 and C-765-A shut down for a total of 1 hour and 30 minutes due to power loss from storms during this reporting period.

E) Effectiveness Monitoring—Monitoring Well Results:

Figure B.1, included in Appendix B, shows locations of the monitoring wells and extraction wells. Figure B.2 shows the location of the monitoring wells and extraction wells with the top of McNairy topography. Figure B.3 shows system influent TCE concentrations, and Figures B.4 and B.5 include a summary of the TCE concentration and Tc-99 activities in the Northeast Plume extraction wells. Figure B.6 shows the estimated cumulative amount of TCE removed since the NEPCS began operations in 1997. Figures B.7 through B.14 presented in Appendix B, show TCE concentrations and Tc-99 activities in upgradient transect wells, monitoring wells near the extraction wells (including extraction well data), downgradient wells, and distal downgradient wells. The extraction wells are working well to increase TCE mass removal and to enhance control of the plume. This is shown in Figure B.6 in Appendix B with an increase in mass removal beginning in October 2017 with initiation of pumping from the optimized extraction wells.

During this reporting period, the FFA parties reviewed and assessed the Northeast Plume TCE and Tc-99 transect well results on a quarterly basis, along with analytical results for other NEPCS monitoring wells. The analytical results can be found in Appendix B. This information was used by the FFA parties when considering if additional adjustments are needed to minimize undesirable expansion of Tc-99 and TCE within the NE Plume. The FFA

parties agreed to continue operating at the flowrates of 100 gpm and 75 gpm, for EW234 and EW235, respectively. The NEPCS continues to operate under Condition #3 of the *Memorandum of Agreement for Resolution of Formal Dispute of the Explanation of Significant Differences of the Record of Decision for the Interim Remedial Action of the NE Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky* (DOE/LX/07-1291&D2).

F) Modification of the NEPCS Operations or Configuration:

None.

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

- Continue monitoring TCE and Tc-99 transect monitoring well sampling results in conjunction with other Northeast Plume monitoring wells results, comprehensively.

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

- Reporting responsibility for the work to be performed in support of the Northeast Plume IRA belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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

- The effluent concentration goal of 30 µg/L for TCE was met during the reporting period. The NEPCS remained operational 84.8% of the time during this reporting period.

V. Primary/Secondary Document Tracking System:

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

- None.

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

- None.

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

- None.

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

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- Actual costs for O&M of the Northwest/Northeast Plume facilities are tracked jointly. The total operating cost for the reporting period was $672,000.

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

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 52,145,762 gal of contaminated groundwater, with an average monthly operational efficiency of 98.6%. The average system treatment rate for the reporting period was approximately 198 gal/min. Operational efficiencies for the reporting period were as follows: April 2019, 95.8%; May 2019, 98.7%; June 2019, 99.7%; July 2019, 99.5%; August 2019, 98%; September 2019, 99.7%.

A) Process Operations:

The NWPGS consists of two extraction wells (EW232 and EW233), located just north of the Paducah Site, and underground transfer pipeline for moving contaminated groundwater. The treatment facility has an operational capacity of 220 gal/min and utilizes air stripping for removal of TCE in groundwater, ion exchange for removal of Tc-99 in groundwater, and vapor phase carbon for capturing TCE from exhaust of the air stripper. Treated groundwater is released to a tributary flowing to KPDES Outfall 001. A monitoring well network is used to evaluate performance and effectiveness of the optimized extraction wells.

B) Process Testing:

Operation of the NWPGS began on August 28, 1995. As of September 30, 2019, the NWPGS has processed a total of approximately 2,403,173,741 gal of water. The monthly withdrawal volumes for the reporting period are presented in Appendix A, Table A.2, of this report. This table includes a summary of the withdrawn water volumes and average daily rates.

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

Due to sample analysis time and the data assessment process, the analytical data included in this report lags operational data by three months. This report presents analytical data from January through June 2019.

Figure B.15, included in Appendix B, shows locations of the Northwest Plume monitoring wells. Figure B.16 shows the location of the monitoring wells with the top of McNairy topography. Influent TCE and Tc-99 analytical data are presented in Appendix B on Figures B.17 and B.18. Figures B.19 and B.20 include a summary of the TCE and Tc-99 concentrations of the effluent versus time at the NWPGS. Figure B.21 shows the cumulative estimated amount of TCE removed since the NWPGS began operations in 1995. The influent

sample results, compared to the NWPGS effluent results, indicated that the NWPGS continues to remove TCE and Tc-99 effectively.

For radionuclides, all reported values, including negative values, are used to derive averages. Negative Tc-99 results may be reported due to a statistical determination of the counts seen by a detector, minus a background count. High, low, and average influent and effluent TCE and Tc-99 concentrations from January 1, 2019, through June 30, 2019, are presented in Table 4.

Table 4. TCE and Tc-99 Concentrations for Northwest Plume (January 1, 2019, through June 30, 2019)

	TCE (µg/L)			Tc-99 (pCi/L)		
	High	**Low**	**Average**	**High**	**Low**	**Average**
Influent	1,590	1,190	1,384	207	187	196
Effluent	6.17	< 1	2.29	15.3*	< 1*	0.78

*The values denoted are below the detection limit.

The treatment system influent was sampled monthly. The effluent was sampled weekly. These sampling frequencies were conducted in accordance with the *Operation and Maintenance Plan for the Northwest Plume Groundwater System Interim Remedial Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-1253&D4/R5. As presented in Table 4, the NWPGS continued to remove TCE and Tc-99 effectively. The system operated with an average removal efficiency of 99.8% for TCE and 99.6% for Tc-99.

The average TCE effluent concentration for this reporting period was 2.29 µg/L, which is less than the treatment goal of 5 µg/L. The average Tc-99 effluent value was 0.78 pCi/L, which is less than the operational goal of 900 pCi/L, during the reporting period.

High, low, and average sample results for this reporting period at the extraction wells are shown in Table 5. EW232 and EW233 were sampled quarterly in accordance with the *Operation and Maintenance Plan for the Northwest Plume Groundwater System Interim Remedial Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-1253&D4/R5.

Table 5. TCE and Tc-99 Concentrations for Northwest Plume Extraction Wells (January 1, 2019, through June 30, 2019)

	TCE (µg/L)			Tc-99 (pCi/L)		
	High	**Low**	**Average**	**High**	**Low**	**Average**
EW232	257	120	189	72.2	39.2	55.7
EW233	2,850	2,260	2,590	373	351	364

D) Treatment Media:

Ion Exchange Resins:

NWPGS is equipped with four ion exchange columns used for Tc-99 removal. Purolite A-520-E resin is used in the columns, which are arranged in a lead/lag configuration in a trailer. No resin changes were required during this reporting period.

Activated Carbon Media:

NWPGS is equipped with two carbon columns containing granular activated carbon for adsorption of VOCs from the vapor-phase effluent of the air stripper unit. The *Operation and Maintenance Plan for the Northwest Plume Groundwater System Interim Remedial Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-1253&D4/R5, requires that spent carbon be replaced every 6 months. The last carbon changeout was completed on September 19, 2019. The next carbon changeout is projected for March 2020.

E) Maintenance Activities:

Routine Maintenance Activities:

Daily, monthly, quarterly, and annual routine maintenance activities were conducted in accordance with the *Northwest/Northeast Plume Daily Operational Data Collection and Maintenance*, CP4-ER-0017, and *Monthly, Quarterly, and Annual Maintenance at the C-612 Northwest Plume Groundwater System*, CP4-ER-0016.

- The NWPGS shut down for a total of 24 hours for planned maintenance during this reporting period.

Non-routine Maintenance Activities:

- The NWPGS shut down for a total of 27 hours and 30 minutes due to high water levels in manholes during this reporting period.

- The NWPGS shut down for a total of 4 hours and 45 minutes due to plant power outage during this reporting period.

- The NWPGS shut down for a total of 6 hours and 30 minutes due to unplanned maintenance during this reporting period.

F) Effectiveness Monitoring—Monitoring Well Results:

Figures B.22 through B.29 presented in Appendix B, show TCE and Tc-99 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.

G) Modification of the NWPGS Operations or Configuration:

- None.

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

- The project team will continue to conduct and document the necessary tasks required for equipment maintenance, calibration, and operation, as specified in the *Operation and Maintenance Plan for the Northwest Plume Groundwater System Interim Remedial Action at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-1253&D4/R5.

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

- Reporting responsibility for the work to be performed in support of the Northwest Plume IRA belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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 µg/L for TCE and 900 pCi/L for Tc-99, during the reporting period. The NWPGS has remained 98.6% operational during this reporting period.

V. Primary/Secondary Document Tracking System:

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

- None.

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

- None.

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

- None.

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

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- Actual costs for O&M of the Northwest/Northeast Plume facilities are tracked jointly. The total operating cost for the reporting period was $672,000.

BURIAL GROUNDS OPERABLE UNIT

The scope of the BGOU includes an RI, baseline human health risk assessment, 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 (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 C-747-A (SWMU 12); the residential/inert borrow area (SWMU 145); and the C-746-S&T Landfills (SWMUs 9 and 10, respectively).

This section also includes information on the sampling activities being conducted at the C-749 Uranium Burial Ground, as required in the *Record of Decision for Interim Remedial Action at Solid Waste Management Units 2 and 3 of Waste Area Group 22 at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/06-1351&D1, signed in 1995.

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

BURIAL GROUNDS OPERABLE UNIT PROJECT: C-749 (SWMU 2); C-404 (SWMU 3); C-747/C-748-B (SWMU 4); C-746-F (SWMU 5); C-747-B (SWMU 6); C-747-A (SWMUs 7 and 30), which includes the area beneath C-747-A (SWMU 12); the Residential/Inert Borrow Area (SWMU 145); 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):

- No activities were scheduled for this reporting period.

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

- No activities are scheduled for this upcoming reporting period.

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

- No activities were scheduled for this reporting period.

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

- No activities are scheduled for this project during the upcoming reporting period. The requirements and time schedules are being met for the BGOU consistent with the SMP and as agreed to by the FFA parties.

V. Primary/Secondary Document Tracking System:

A) Documents under review and/or preparation during 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:

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective, August 29, 2019.

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

- None. [Refer to the following section of this report for information regarding O&M cost for the IRA at the C-749 Uranium Burial Ground (SWMU 2).]

FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

BURIAL GROUNDS OPERABLE UNIT PROJECT: C-749 Uranium Burial Ground (SWMU 2)

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

- Continued groundwater monitoring at the C-749 Uranium Burial Ground, as required by the *Record of Decision for Interim Remedial Action at Solid Waste Management Unit 2 and 3 of Waste Area Group 22 at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/06-1351&D1. The results for the groundwater monitoring from May 1993, through June 30, 2019, have been included as part of this report. The results of the groundwater monitoring trends from 1996 through June 30, 2019, are presented in Appendix F.

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

- Groundwater monitoring will continue at the C-749 Uranium Burial Ground, as required by the ROD.

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

- Reporting responsibility for the work to be performed in support of C-749 Uranium Burial Ground belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE and maintains existing burial ground cover.

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:

- 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:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- Sampling of the C-749 Uranium Burial Ground has been incorporated into the Environmental Monitoring Program. O&M cost for this project is not tracked separately.

FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

SURFACE WATER OPERABLE UNIT

The SWOU includes the Surface Water Removal Action and Surface Water Remedial Action projects. Additionally, O&M is performed on North-South Diversion Ditch Sections 1 and 2 and institutional controls, as required by the *Operation and Maintenance Plan for Sections 1 and 2 of the North-South Diversion Ditch*, DOE/OR/07-2057&D2, and *Operation and Maintenance Plan for the Surface Water Operable Unit at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-1904&D1; and O&M activities for the C-613 Basin are maintained in accordance with the *Operation and Maintenance Plan for the Northwest Storm Water Control Facility at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-2044&D1/R4, respectively.

Per the *Operation and Maintenance Plan for the Northwest Storm Water Control Facility at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/OR/07-2044&D1/R4, the relationship of turbidity to total suspended solids is compared on a quarterly basis. An update to the existing linear regression model was performed in May 2019, and the current maximum discharge limit for turbidity is 90 nephelometric turbidity units (NTUs), with a 30-day average not to exceed 43 NTUs.

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

SURFACE WATER OPERABLE UNIT PROJECT: Remedial Action

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

- No activities were scheduled for this project during this reporting period.

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

- No activities are scheduled for this project during the upcoming reporting period.

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

- Reporting responsibility for the work to be performed in support of the SWOU Remedial Action belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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

- No activities are scheduled for this project during the upcoming reporting period. The requirements and schedules are being met for the SWOU consistent with the SMP and as agreed to by the FFA parties.

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:

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- O&M activities have been incorporated into the Environmental Monitoring Program. O&M cost for this project is not tracked separately.

SOILS OPERABLE UNIT

The Soils OU has been implemented in a phased approach consisting of remedial and removal actions.

The original scope of the Soils OU consisted of 86 SWMUs/areas of concern (AOCs); three inactive facilities (SWMUs 181, SWMU 40, and SWMU 19); and the soil/rubble areas that have been identified to date. The scope of the removal action for two of the three inactive facilities has been completed, except excavation of contaminated soil at the C-403 Neutralization Tank (SWMU 40). SWMU 40 will be addressed as part of the C-400 Complex OU. The scope for the soil/rubble areas also has been completed. During the development of the RI/FS Work Plan/Report, it was determined that only 63 of the 86 SWMUs/AOCs included within the original scope could be addressed under this OU, based upon accessibility. Those SWMUs/AOCs identified as inaccessible will be addressed as part of the Soils and Slabs OU scope. The Soils OU scope focuses on accessible plant surface soils (ground surface to 10 ft bgs and 16 ft bgs in the vicinity of pipelines) not associated with PGDP operations. Sequencing of the work will be determined based on OU-specific circumstances, as mutually agreed upon by the FFA parties.

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

SOILS OPERABLE UNIT PROJECT: Remedial Action

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

- No activities were scheduled for this project during this reporting period.

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

- No activities are scheduled for this project during the upcoming reporting period.

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

- Reporting responsibility for the work to be performed in support of the SOU belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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

- No activities are scheduled for this project during the upcoming reporting period. The requirements and schedules are being met for the SOU consistent with the SMP and as agreed to by the FFA parties.

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:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- None.

FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

ADDITIONAL REPORTING

Presented in this Additional Reporting section are updates for the following:

- WAGs 1 and 7 (C-746-K Landfill, TCE Spill Sites, Underground Storage Tanks, and Kentucky Ordnance Works sites);
- CRP;
- SMP;
- CERCLA Waste Disposal Alternatives Evaluation;
- CERCLA Five-Year Review; and
- Plant Industrial Area Vapor Intrusion Assessment.

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

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

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

- Continued monitoring around the C-746-K Landfill, as required by the *Record of Decision for Waste Area Groups 1 and 7 at PGDP, Paducah, Kentucky,* DOE/OR/06-1470&D3. WAGs 1 and 7 ROD requires these data to be submitted semiannually. The results of the groundwater monitoring data from May 1994 through June 30, 2019, are presented graphically in Appendix C.

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

- Monitoring will continue around C-746-K Landfill, as required by the ROD. This monitoring is conducted and reported in accordance with other site programs, such as the Environmental Monitoring Program.

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

- Reporting responsibility for the work to be performed in support of WAGs 1 and 7 belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- Sampling activities for the C-746-K Landfill have been incorporated into the Environmental Monitoring Program. O&M cost for this project is not tracked separately.

FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

PROJECT: Community Relations Plan

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

- No activities were scheduled for this project during this reporting period.

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

- No activities are scheduled for this project during the upcoming reporting period.

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

- Reporting responsibility for the work to be performed in support of the CRP belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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:

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- None.

FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
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Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

PROJECT: Site Management Plan

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

- Transmitted a signed copy of the *Memorandum of Agreement for Resolution of the Formal Dispute Concerning Kentucky Department for Environmental Protection Nonconcurrence and U.S. Environmental Protection Agency Conditions Submitted on the Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—Fiscal Year 2018*, DOE/LX/07-2418&D2, to EPA and Kentucky on April 4, 2019.

- Developed and submitted the *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—Fiscal Year 2018 and FY 2019*, DOE/LX/07-2418&D2/R1, to EPA and Kentucky for approval on April 26, 2019. (Per the March 29, 2019, MOA, the D2/R1 SMP was renamed to include fiscal year (FY) 2019, in addition to FY 2018).

- Received EPA and Kentucky comments on the *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—Fiscal Year 2018 and FY 2019,* DOE/LX/07-2418&D2/R1, on May 9, 2019, and May 10, 2019, respectively.

- Developed and submitted the *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—Fiscal Year 2018 and FY 2019*, DOE/LX/07-2418&D2/R2, to EPA and Kentucky for approval on August 20, 2019.

- Received EPA and Kentucky approval of the *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—Fiscal Year 2018 and FY 2019*, DOE/LX/07-2418&D2/R2, on August 30, 2019, and August 29, 2019, respectively.

- Initiated scoping and development of the *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—FY 2020*, DOE/LX/07-2444&D1. Scoping meetings were held with EPA and Kentucky on September 9, 2019, September 26, 2019, and September 30, 2019.

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

- Continue scoping discussion for the *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—FY 2020*, DOE/LX/07-2444&D1, throughout the month of October 2019, as needed.

- Finalize and submit the *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—FY 2020,* DOE/LX/07-2444&D1, to EPA and Kentucky on or before November 15, 2019.

- Develop and issue the *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—FY 2020,* DOE/LX/07-2444&D2, to EPA and Kentucky within 15 days of receipt of regulatory comments on the D1 SMP.

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

- Reporting responsibility for the work to be performed in support of the SMP belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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

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

- Requirements and time schedules currently are being met.

V. Primary/Secondary Document Tracking System:

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

- *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—Fiscal Year 2018 and FY 2019,* DOE/LX/07-2418&D2/R1, has been under development and under EPA and Kentucky review during this reporting period.

- *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—Fiscal Year 2018 and FY 2019,* DOE/LX/07-2418&D2/R2, has been under development and under EPA and Kentucky review during this reporting period.

- *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—FY 2020,* DOE/LX/07-2444&D1, has been under development during this reporting period.

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

- The D1 *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—FY 2020,* DOE/LX/07-2444&D1, is due to EPA and Kentucky no later than November 15, 2019.

- Comments on the *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—FY 2020,* DOE/LX/07-2444&D1, are due to DOE within 30 days of document issuance or December 15, 2019.

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

- The requirements and time schedules are being met.

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

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- None.

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FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

PROJECT: CERCLA Waste Disposal Alternatives Operable Unit

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

- No activities were scheduled or performed for this project during the reporting period.

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

- No activities are scheduled for this project during the upcoming reporting period.

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

- Reporting responsibility for the work to be performed in support of CERCLA waste disposal belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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

- No activities are scheduled for this project during the upcoming reporting period. The requirements and schedule are being met for the CERCLA Waste Disposal Alternative Evaluation, consistent with the SMP and as agreed to by the FFA parties.

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:

- DOE has provided routine updates on the subproject to the Paducah Site CAB, FFA project managers, FFA senior managers, local elected officials, and/or congressional staff.

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- None.

FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

PROJECT: CERCLA Five-Year Review

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

C-400 Vapor Intrusion

- Received concurrence for the C-400 Vapor Intrusion Study Addendum to the *Five-Year Review for Remedial Actions at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-1289&D2/R1/A3/R1, from EPA and Kentucky on December 4, 2018, and November 21, 2018, respectively.

2018 Five-Year Review

- Developed and submitted the *CY 2018 Five-Year Review for Remedial Actions at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2426&D2, on May 17, 2019. EPA and Kentucky comments were requested within 30 days of document issuance or June 16, 2019.

- Received letter from EPA on September 30, 2019, which provided an independent assessment of the protectiveness of the response actions for each OU addressed in the *CY 2018 Five-Year Review for Remedial Actions at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2426&D2.

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

- Receive from Kentucky approval of the *CY 2018 Five-Year Review for Remedial Actions at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2426&D2.

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

- Reporting responsibility for the work to be performed in support of the Five-Year Review belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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; however, extensions related to the *CY 2018 Five-Year Review for Remedial Actions at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2426&D2, have resulted in an overall impact to the

schedule. The statutory due date for the *CY 2018 Five-Year Review for Remedial Actions at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2426&D2, was June 4, 2019. DOE submitted the *CY 2018 Five-Year Review for Remedial Actions at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2426&D2, May 17, 2019, to EPA and Kentucky. EPA and Kentucky informed DOE that letters regarding the D2 submittal would be provided by the end of September 2019.

V. Primary/Secondary Document Tracking System:

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

- *CY 2018 Five-Year Review for Remedial Actions at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2426&D2, was under development and under review during this reporting period.

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

- The statutory due date for the *CY 2018 Five-Year Review for Remedial Actions at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2426&D2, was June 4, 2019.

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

- None.

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

- DOE provided routine updates on the CY 2018 CERCLA Five-Year Review Project to the Paducah Site CAB, FFA project managers, FFA senior managers, local elected officials, and/or congressional staff.

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- None.

FEDERAL FACILITY AGREEMENT
SEMIANNUAL PROGRESS REPORT
SECOND HALF OF FISCAL YEAR 2019

Facility: Paducah Gaseous Diffusion Plant
Plant EPA I.D. No.: KY8-890-008-982
Reporting Period: 4/1/2019–9/30/2019

PROJECT: Plant Industrial Area Vapor Intrusion Assessment

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

- Initiated scoping and development of the *Plant Industrial Area Vapor Intrusion Preliminary Risk Assessment Work Plan.*

- Held scoping meeting with FFA parties to support development of the *Plant Industrial Area Vapor Intrusion Preliminary Risk Assessment Work Plan* on September 27, 2019.

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

- Continue development of the *Plant Industrial Area Vapor Intrusion Preliminary Risk Assessment Work Plan*.

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

- Reporting responsibility for the work to be performed in support of the Plant Industrial Area Vapor Intrusion Assessment subproject belongs to FRNP. FRNP also provides programmatic and technical support, analytical services, and business management services. SST manages the AR and the EIC for DOE.

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

- The requirements and time schedules related to the Plant Industrial Area Vapor Intrusion subproject are being met.

V. Primary/Secondary Document Tracking System:

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

- *Plant Industrial Area Vapor Intrusion Preliminary Risk Assessment Work Plan* has been under development during this reporting period.

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

- None.

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

- None.

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

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

VIII. Changes in relevant personnel:

- FRNP identified Myrna Espinosa Redfield as their Paducah Site Program Manager, effective August 29, 2019.

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

- None.

APPENDIX A

NORTHEAST AND NORTHWEST PLUME WATER WITHDRAWAL REPORTS

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Table A.1. Northeast Plume Containment System Water Withdrawal Reporting Form (Gallons of Water Pumped)

Day	April 2019	May 2019	June 2019	July 2019	August 2019	September 2019
1	250,178	250,627	251,230	108,600	130,854	252,818
2	248,586	282,106	251,230	106,144	144,615	252,818
3	251,416	247,758	251,229	106,353	144,615	252,817
4	257,200	247,758	246,712	108,428	144,615	237,725
5	251,086	247,758	253,694	108,428	144,613	250,170
6	251,086	247,759	251,758	108,428	141,666	252,816
7	251,086	251,574	236,119	108,428	143,473	252,816
8	251,083	257,234	236,119	108,427	147,714	252,816
9	251,980	253,400	236,119	99,394	143,474	252,815
10	249,452	251,093	236,119	213,644	143,474	245,679
11	249,711	251,093	103,848	245,089	143,474	256,351
12	251,212	251,093	109,657	250,296	143,473	251,340
13	251,212	251,092	99,619	250,296	148,250	249,589
14	251,212	246,474	107,389	250,296	139,539	249,589
15	251,213	262,740	107,389	250,292	143,195	249,589
16	261,041	246,294	107,389	250,654	144,733	249,586
17	244,035	251,553	107,389	252,673	144,733	252,994
18	252,064	251,553	110,148	252,709	144,733	254,416
19	252,064	251,553	106,514	237,203	144,734	240,449
20	252,064	251,550	107,681	237,203	147,222	254,336
21	252,064	250,955	91,099	237,203	205,329	254,336
22	252,064	256,985	91,099	237,202	255,887	254,336
23	249,340	252,955	91,099	108,448	245,039	254,335
24	262,590	239,088	91,098	241,197	245,039	248,236
25	244,288	239,088	105,747	255,073	245,039	253,314
26	251,680	239,088	108,201	245,681	245,038	242,295
27	251,680	239,088	96,196	245,681	239,454	252,858
28	251,680	239,088	108,602	245,681	252,616	252,858
29	251,678	235,312	108,602	245,679	248,317	252,858
30	235,637	238,467	108,602	184,638	252,818	252,854
31		251,230		141,582	252,818	
Monthly Total	7,531,682	7,733,406	4,517,697	6,041,050	5,560,593	7,529,809
Daily Average	251,056	249,465	150,590	194,873	179,374	250,994

Total (April 2019–September 2019) = 38,914,237 Gallons

Average (April 2019–September 2019) = 212,646 Gallons per day

Table A.2. Northwest Plume Groundwater System Water Withdrawal Reporting Form (Gallons of Water Pumped)

Day	April 2019	May 2019	June 2019	July 2019	August 2019	September 2019
1	295,002	205,090	295,843	291,665	286,550	291,734
2	292,910	241,260	295,843	294,720	292,955	291,734
3	293,350	275,115	295,841	289,390	292,955	291,734
4	300,350	275,115	287,920	293,936	292,955	285,680
5	293,358	275,115	297,090	293,936	292,955	290,740
6	293,358	275,115	295,050	293,936	290,500	290,116
7	293,358	292,710	293,470	293,936	189,740	290,116
8	293,356	296,770	293,470	293,936	298,480	290,116
9	292,660	296,360	293,470	307,910	291,145	290,112
10	292,450	293,488	293,470	281,930	291,145	287,960
11	295,310	293,488	296,890	288,490	291,145	293,000
12	292,288	293,488	291,870	296,208	291,145	286,140
13	292,288	293,486	293,910	296,208	292,360	287,436
14	292,288	289,020	294,161	296,208	292,540	287,436
15	292,286	308,800	294,161	296,206	288,240	287,436
16	293,690	287,690	294,161	283,760	292,583	287,432
17	288,670	292,303	294,157	293,230	292,583	289,580
18	236,542	292,303	296,260	294,070	292,583	291,700
19	236,542	292,303	292,850	283,291	292,581	278,820
20	236,542	292,301	292,920	283,291	297,670	285,840
21	236,542	295,540	141,760	283,291	285,650	285,840
22	236,542	298,850	141,760	283,287	295,440	285,840
23	289,950	296,820	141,760	287,340	290,986	285,840
24	300,930	292,706	141,760	288,950	290,986	281,380
25	294,220	292,706	290,860	296,220	290,986	288,460
26	293,060	292,706	280,030	292,248	290,982	289,380
27	293,060	292,706	292,200	292,248	272,040	289,215
28	293,060	292,706	291,665	292,248	259,850	289,215
29	293,060	293,060	291,665	292,246	247,810	289,215
30	286,000	294,940	291,665	292,250	291,734	289,215
31		295,843		298,850	291,734	
Monthly Total	8,513,022	8,899,903	8,187,932	9,045,435	8,851,008	8,648,462
Daily Average	283,767	287,094	272,931	291,788	285,516	288,282

Total (April 2019–September 2019) = 52,145,762 Gallons

Average (April 2019–September 2019) = 284,950 Gallons per day

APPENDIX B

NORTHEAST PLUME AND NORTHWEST PLUME GRAPHS, DATA, AND MAPS (FIGURES B.1 THROUGH B.29)

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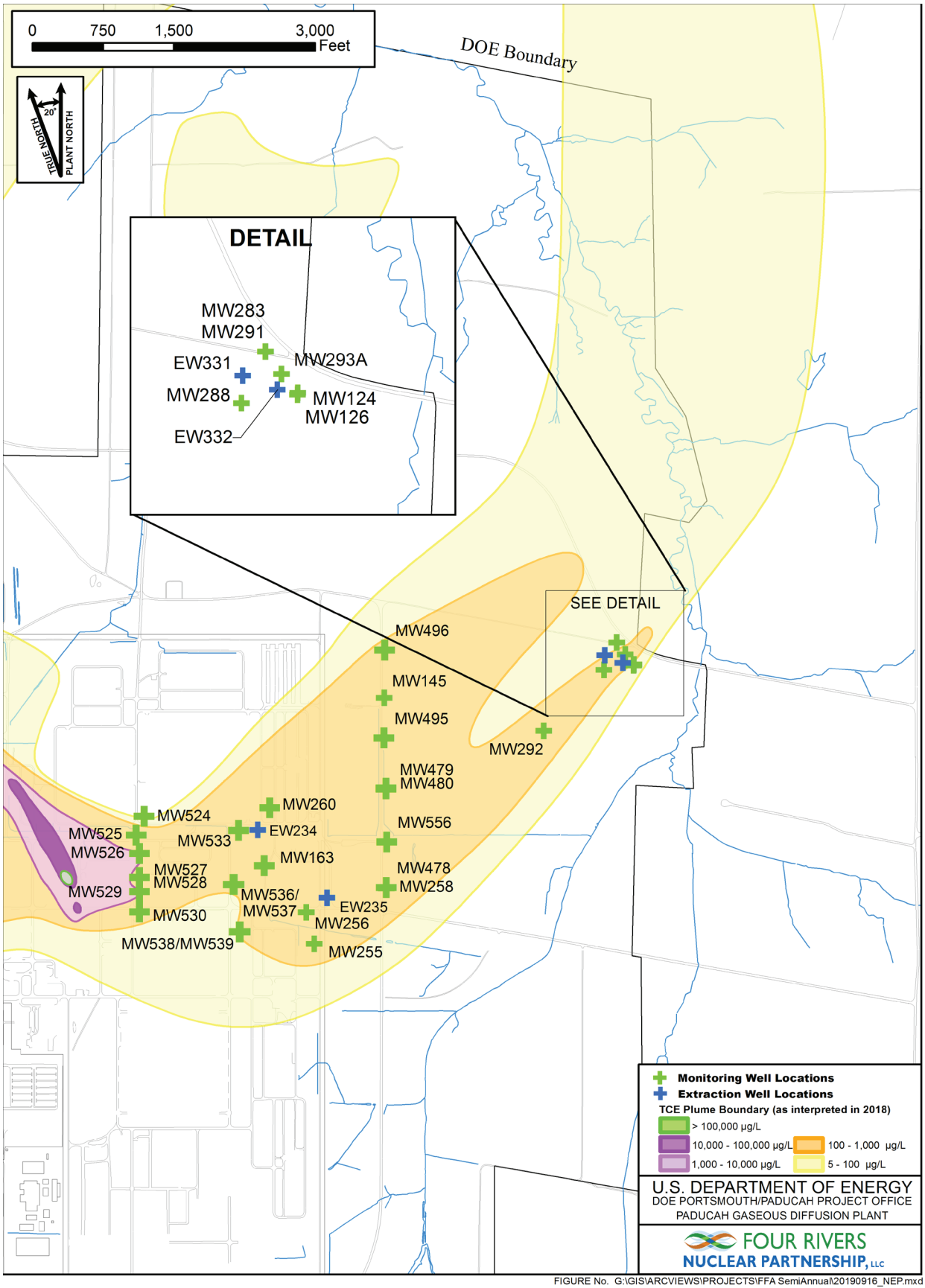


Figure B.1. Northeast Plume Groundwater Wells and Extraction Wells

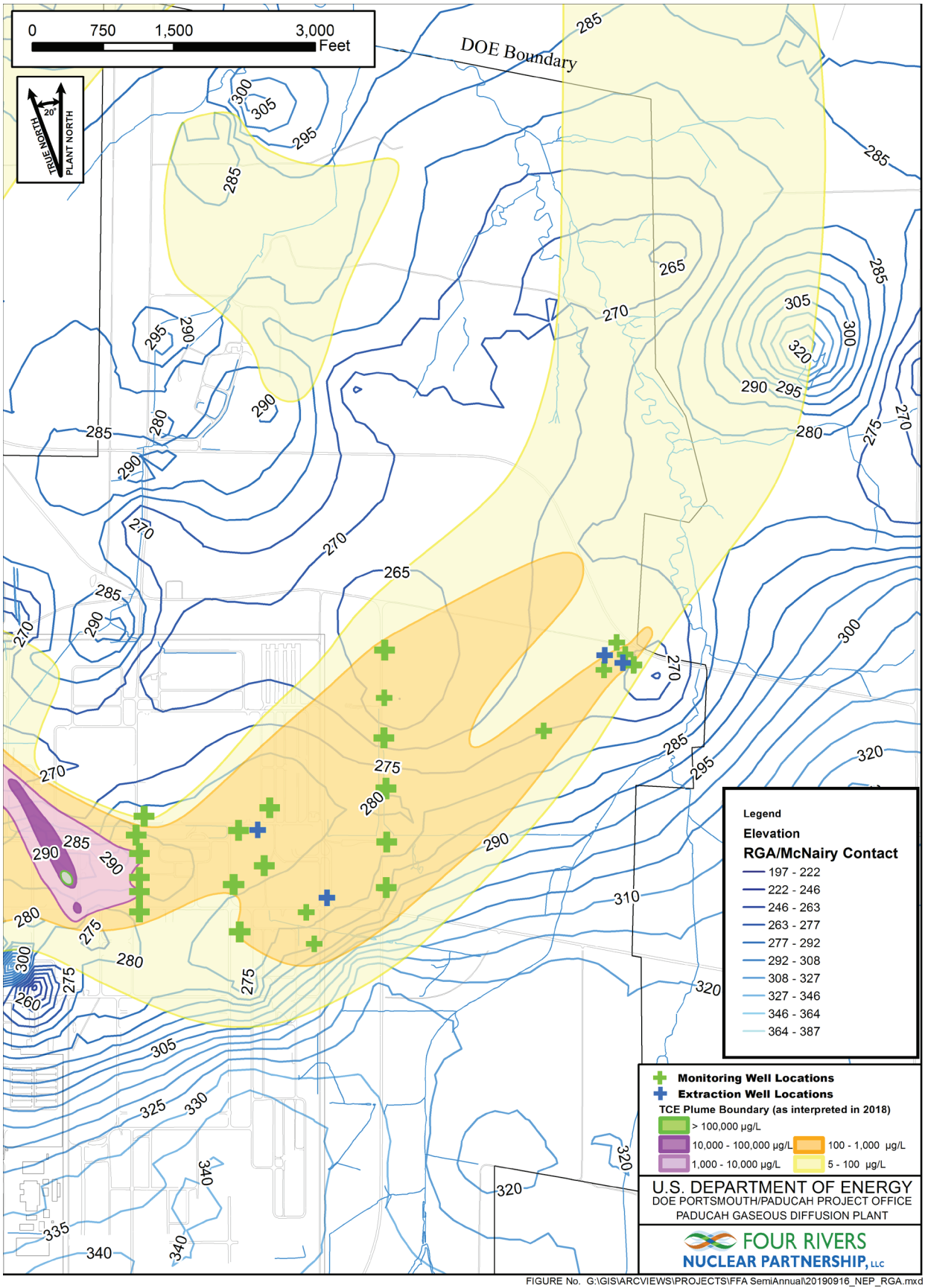
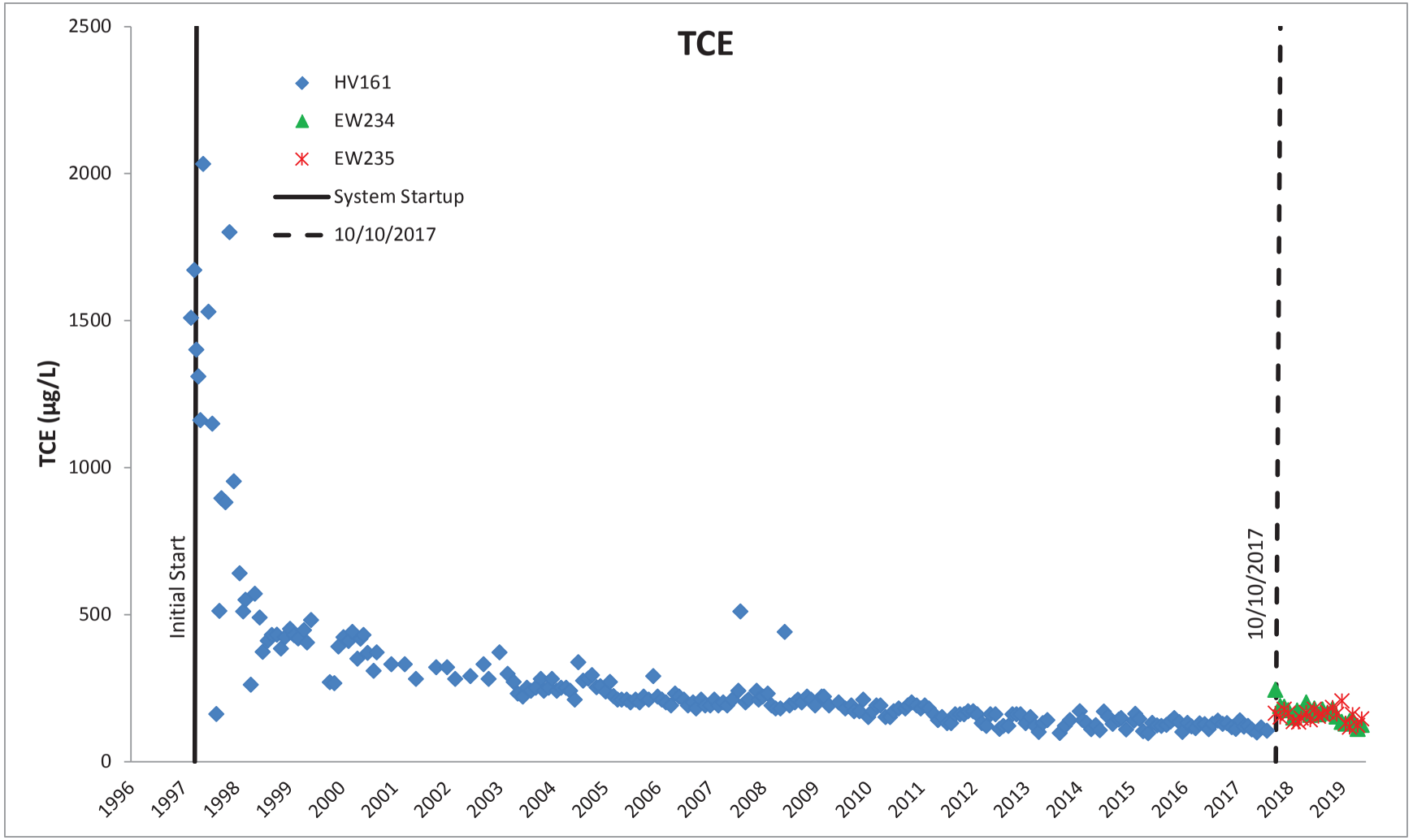
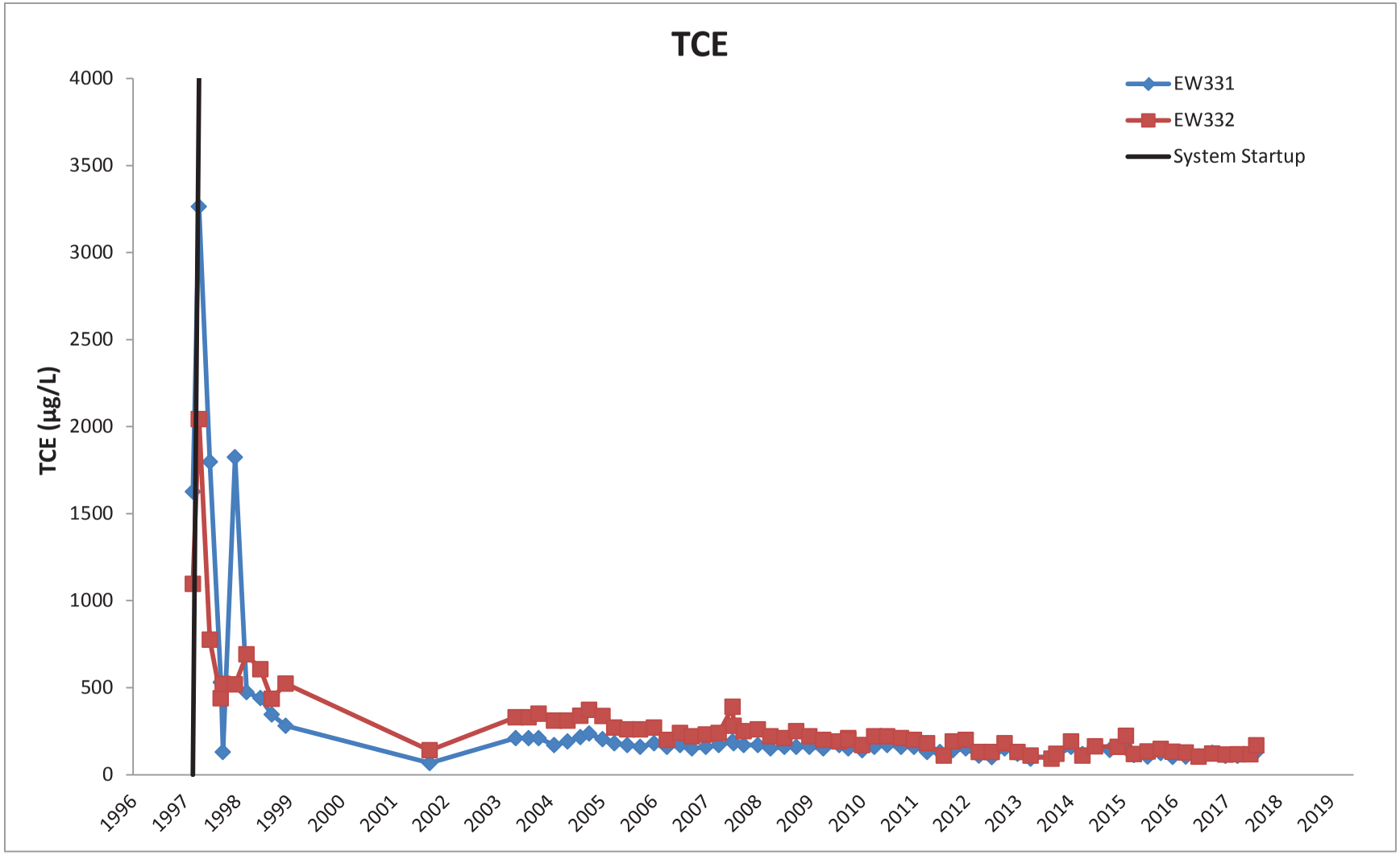


Figure B.2. Northeast Plume with Bottom of Lower Continental Deposits Topography



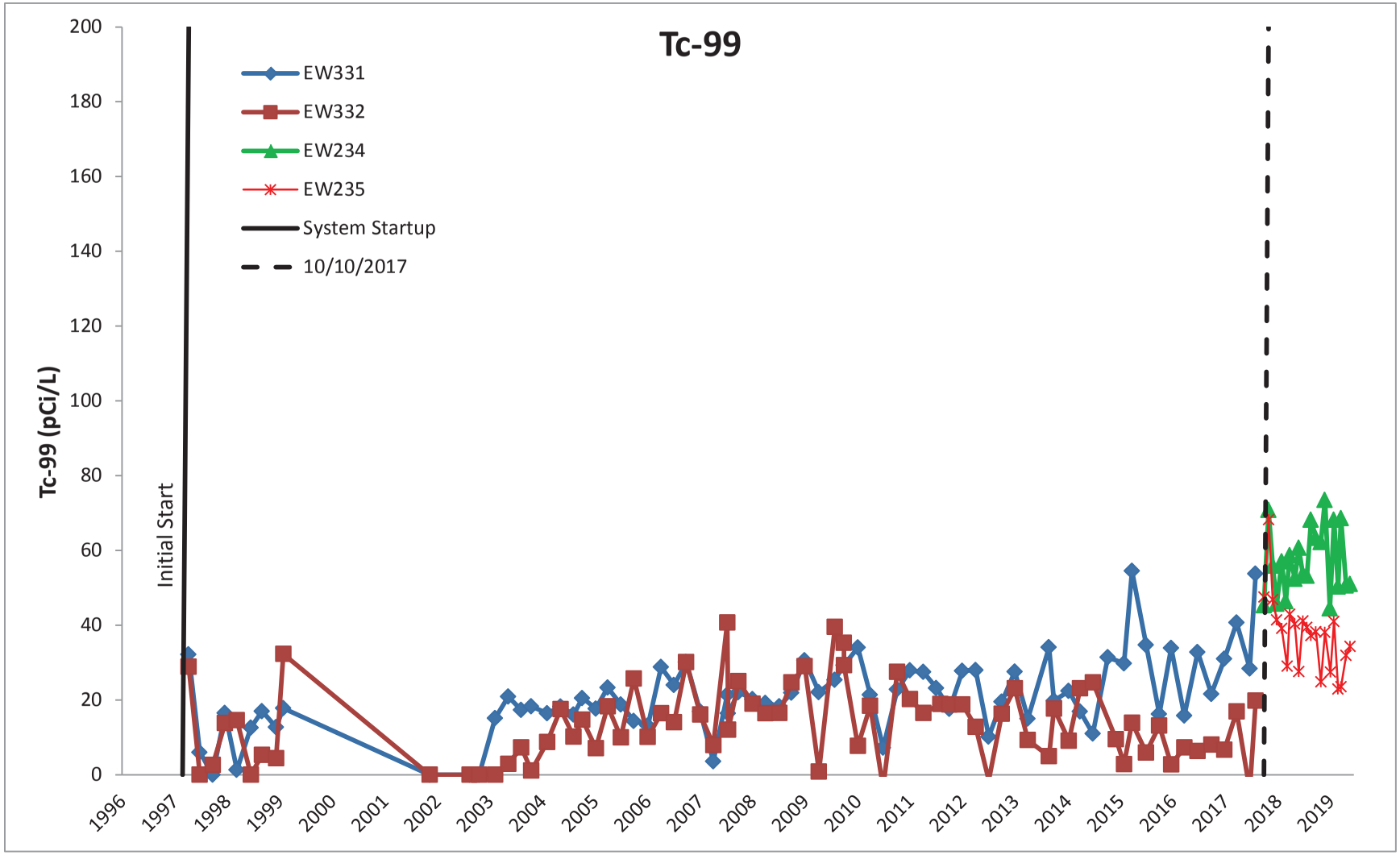
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.3. Northeast Plume Containment System Influent TCE Concentrations



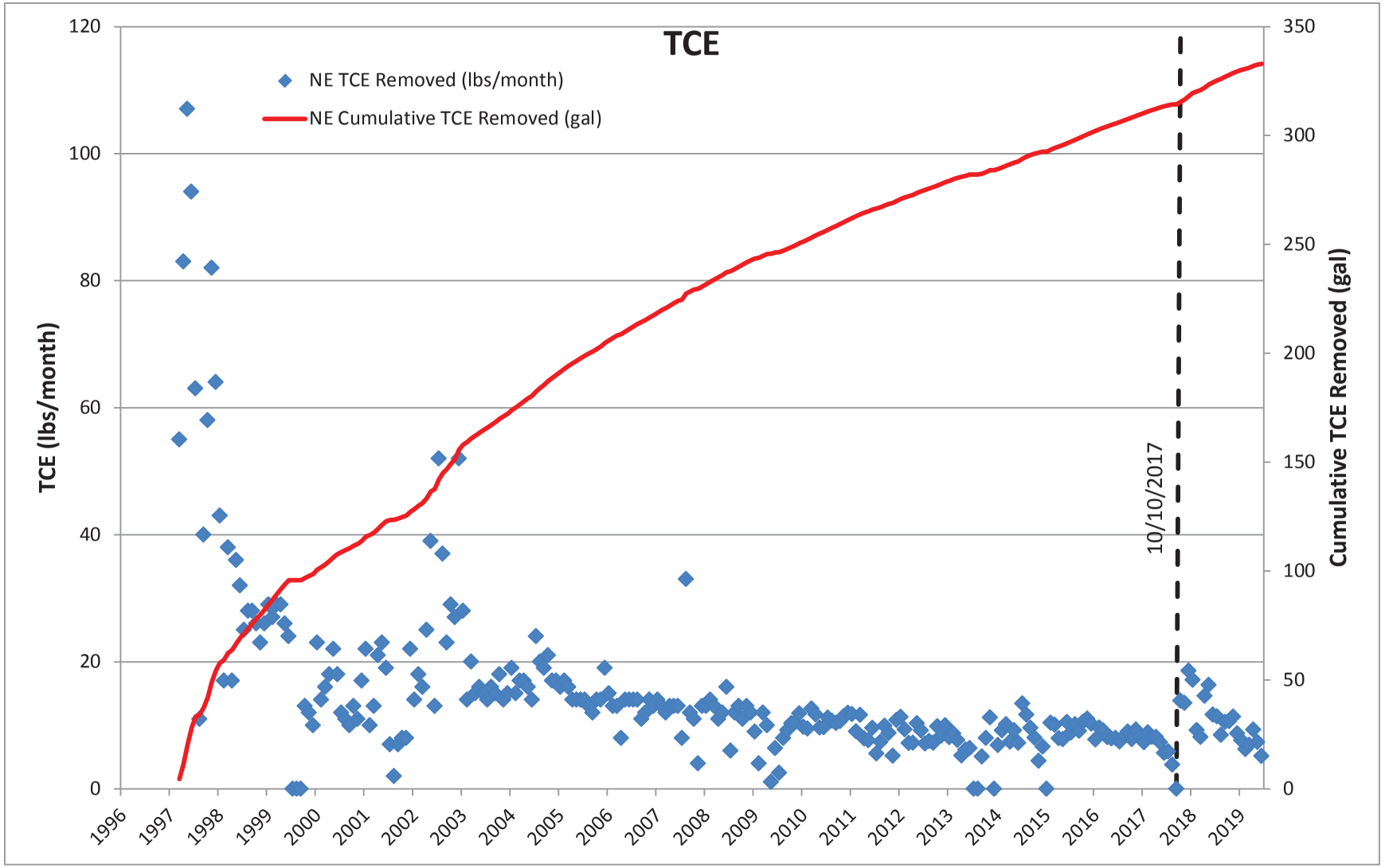
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.4. Northeast Plume—TCE Concentrations in Extraction Wells (before 10/10/2017)



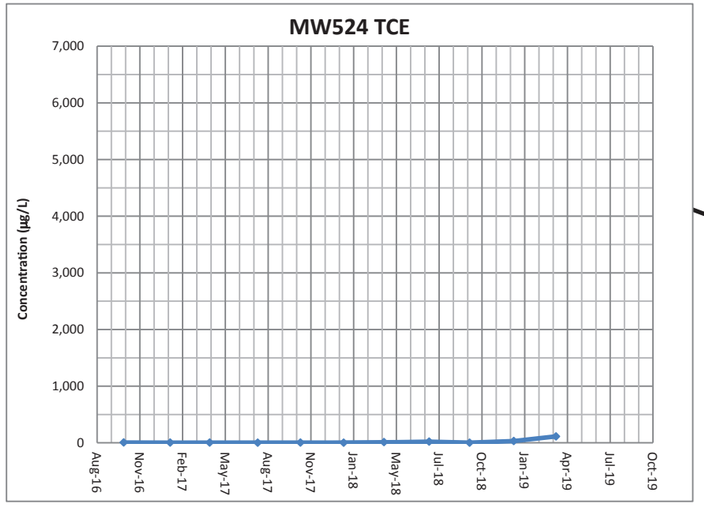
NOTE: Data rejected by validation or assessment have not been graphed.

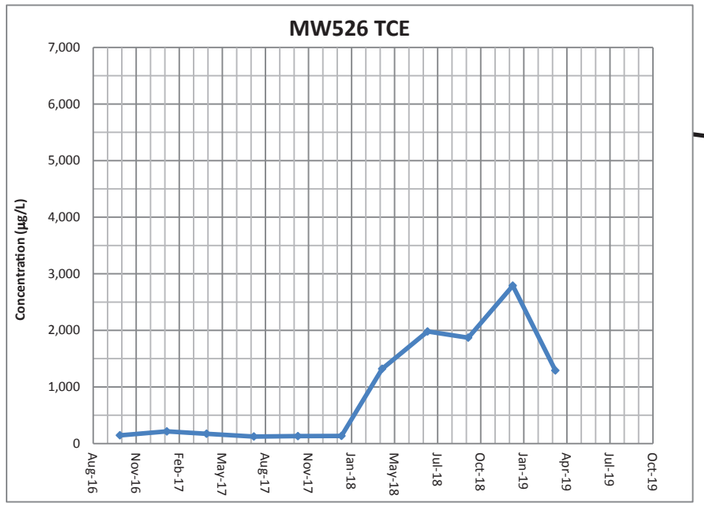
Figure B.5. Northeast Plume—Tc-99 Activities in Extraction Wells

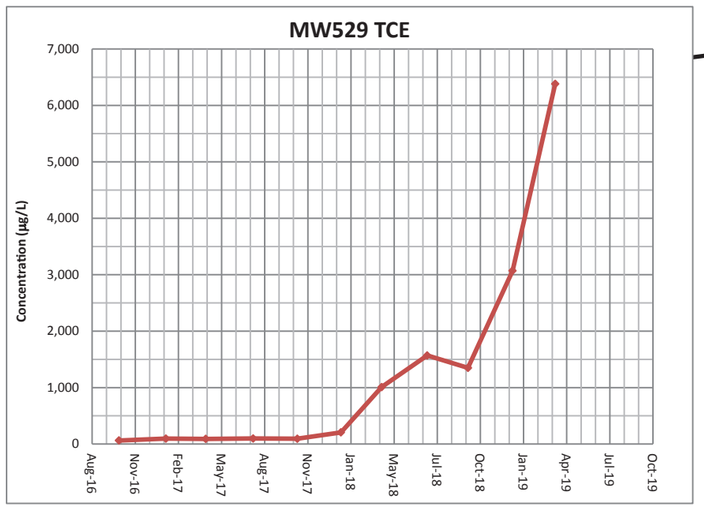


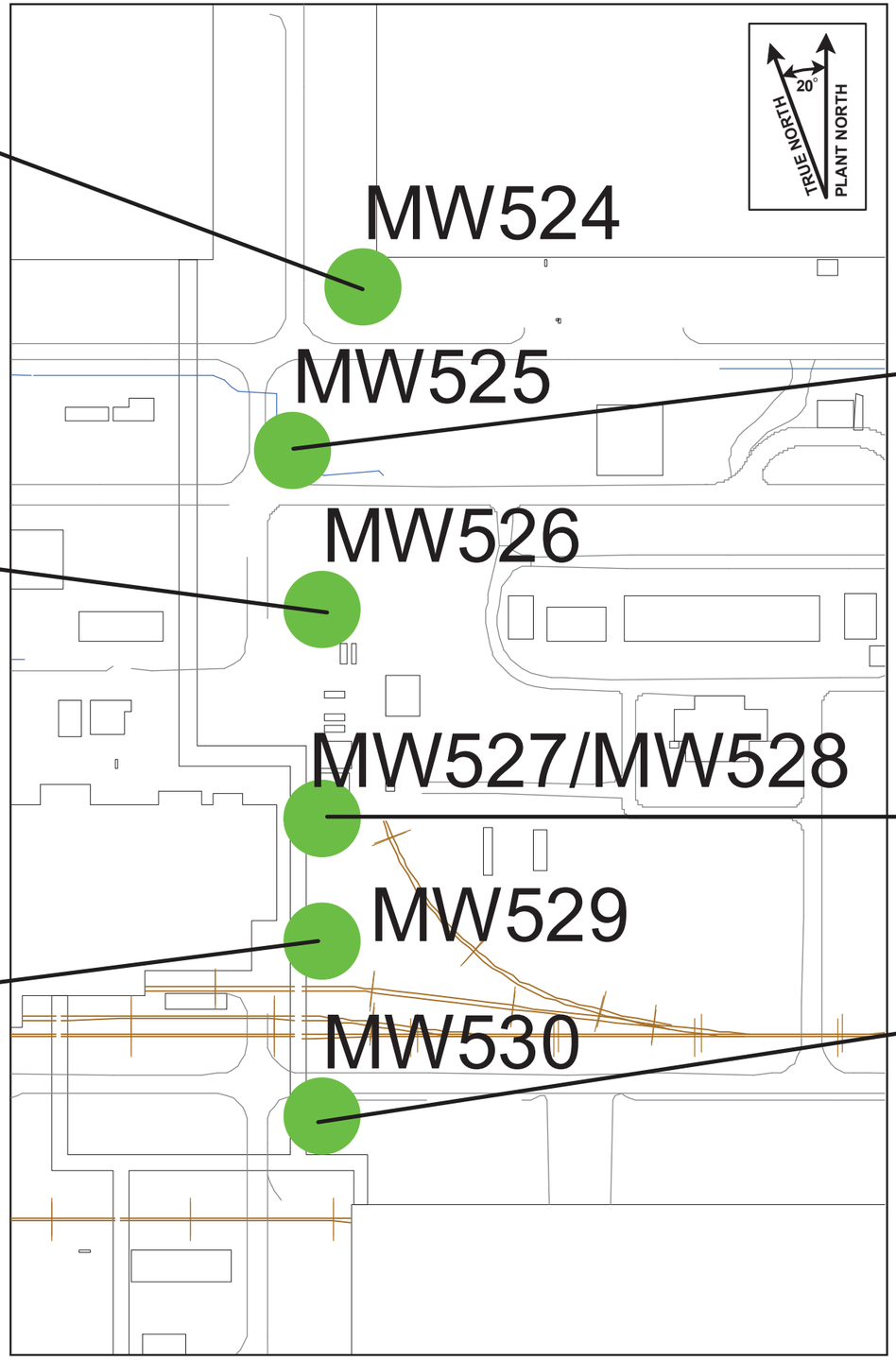
NOTE: Data rejected by validation or assessment are not included on the graph.

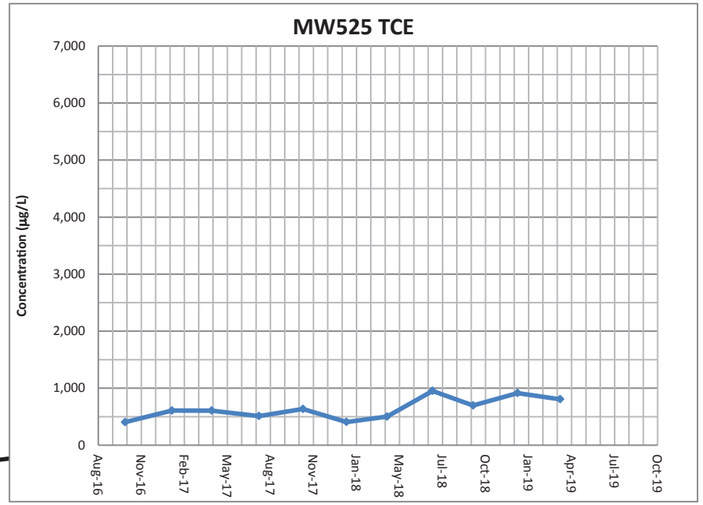
Figure B.6. Northeast Plume Containment System TCE Removed

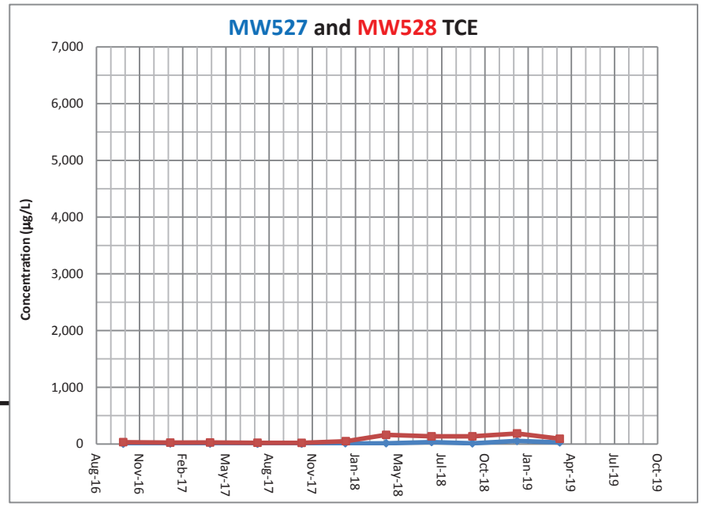












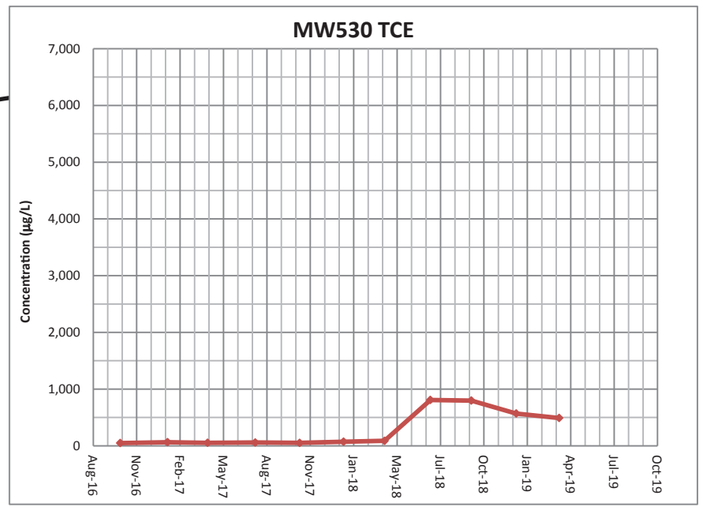
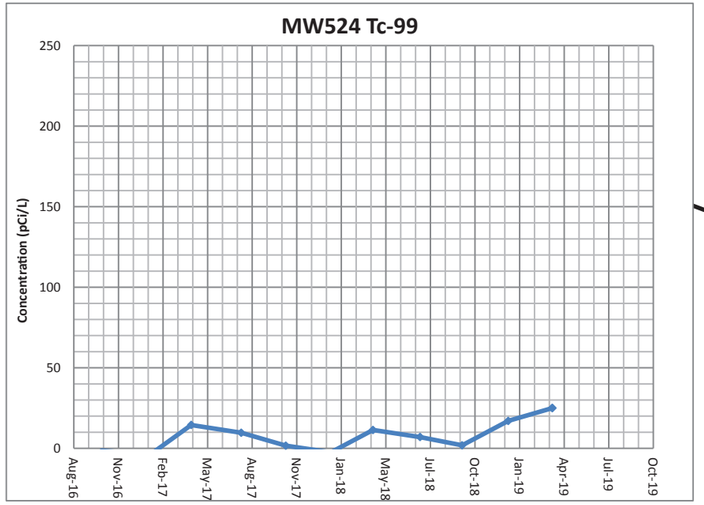
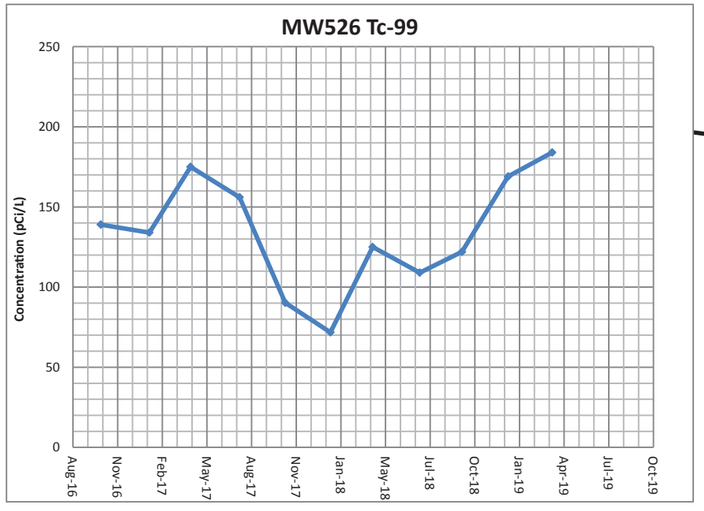
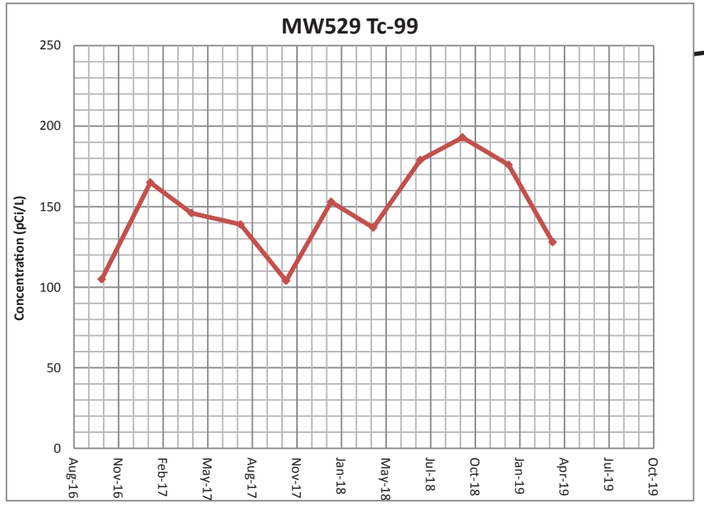
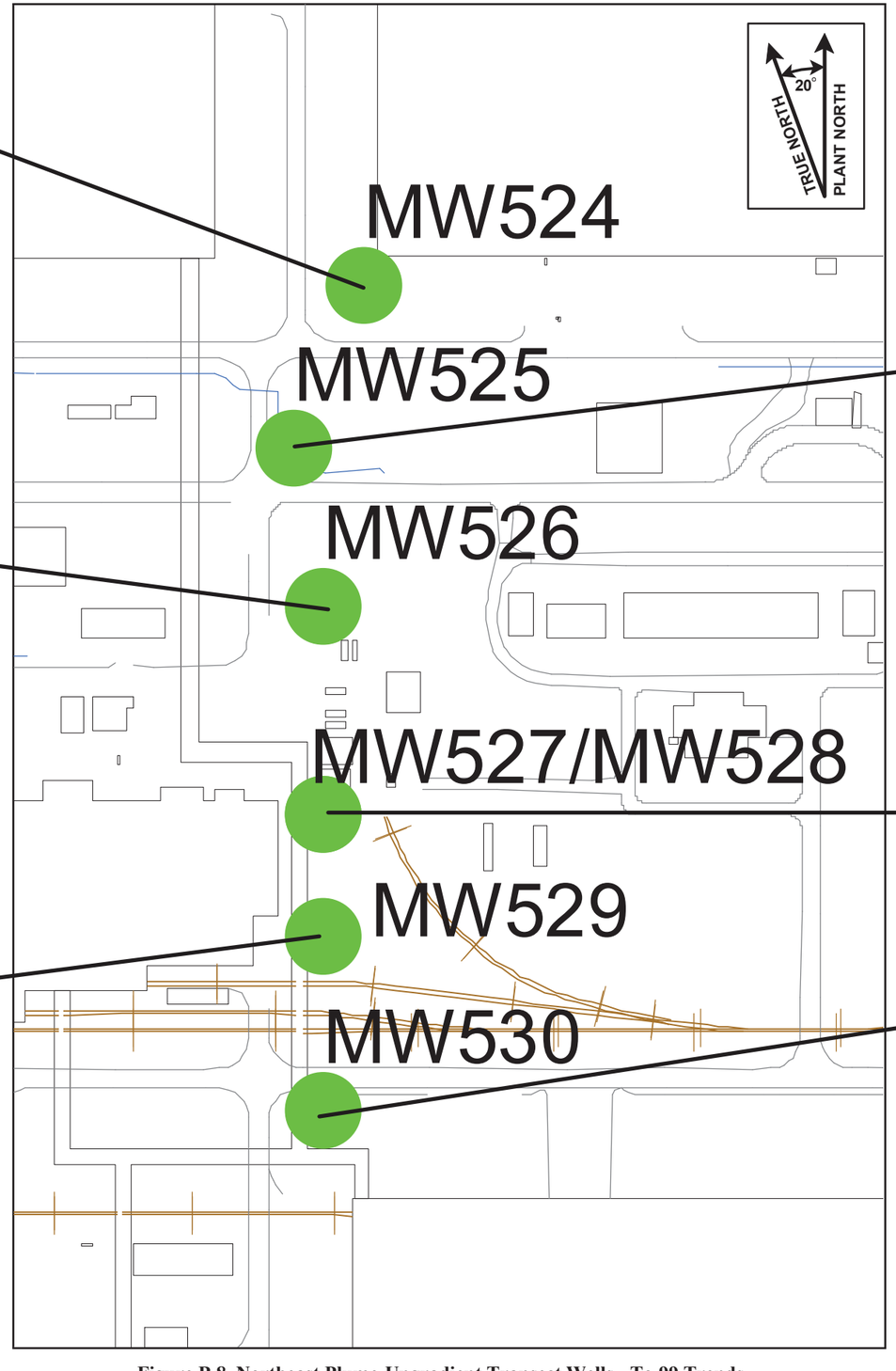


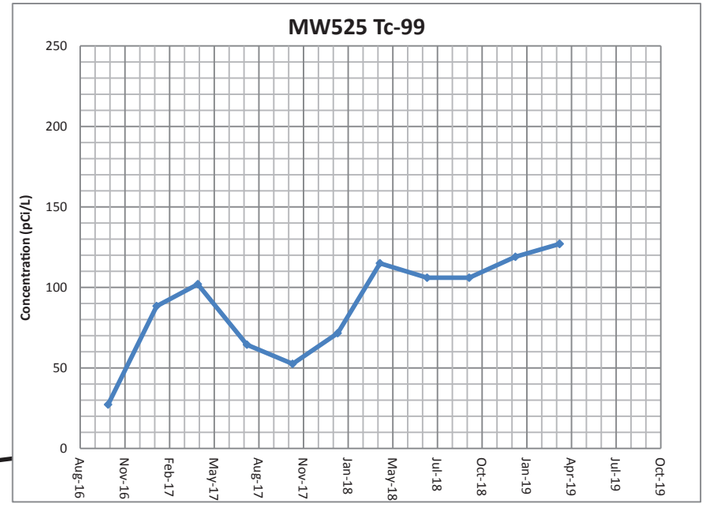
Figure B.7. Northeast Plume-Upgradient Transect Wells - TCE Trends

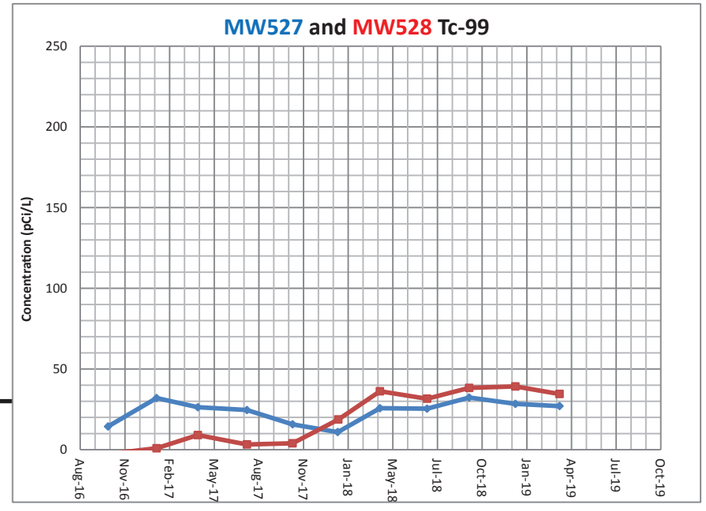












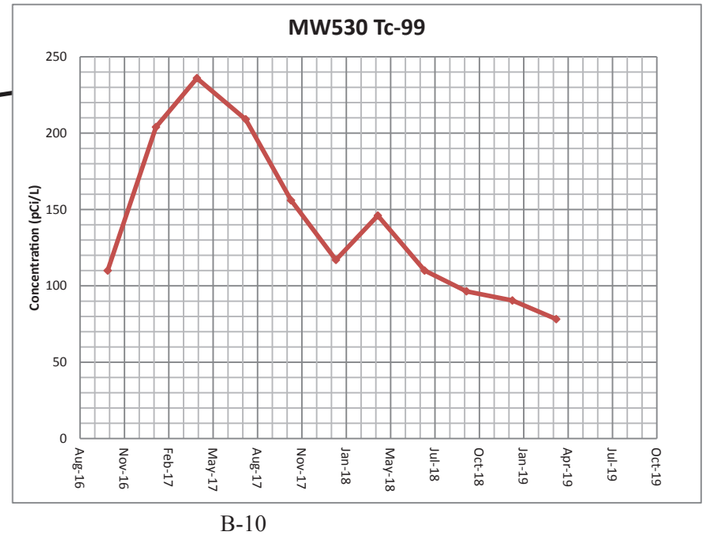
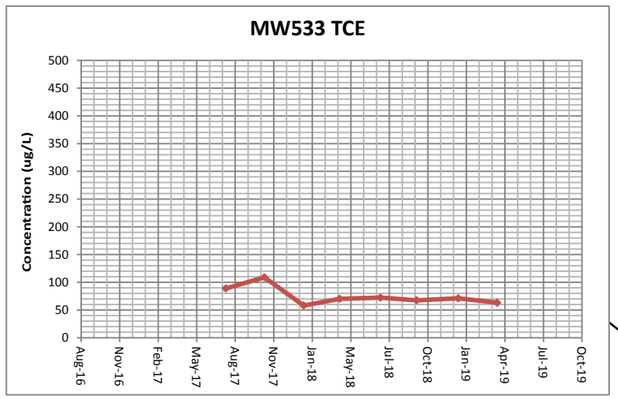
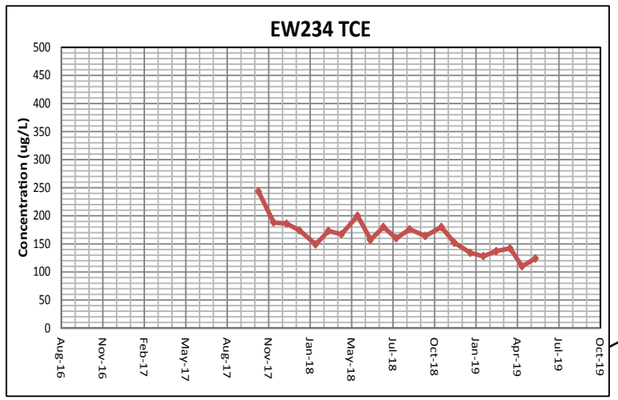
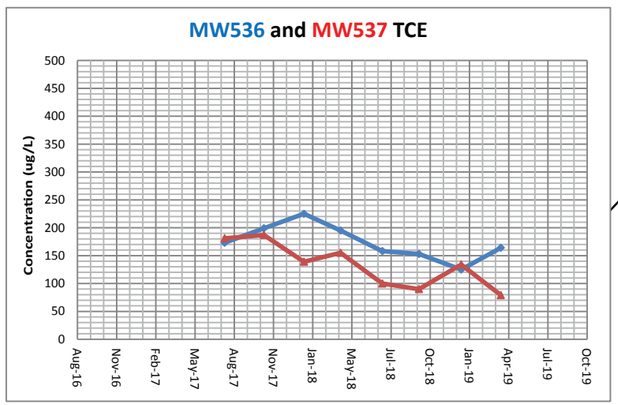
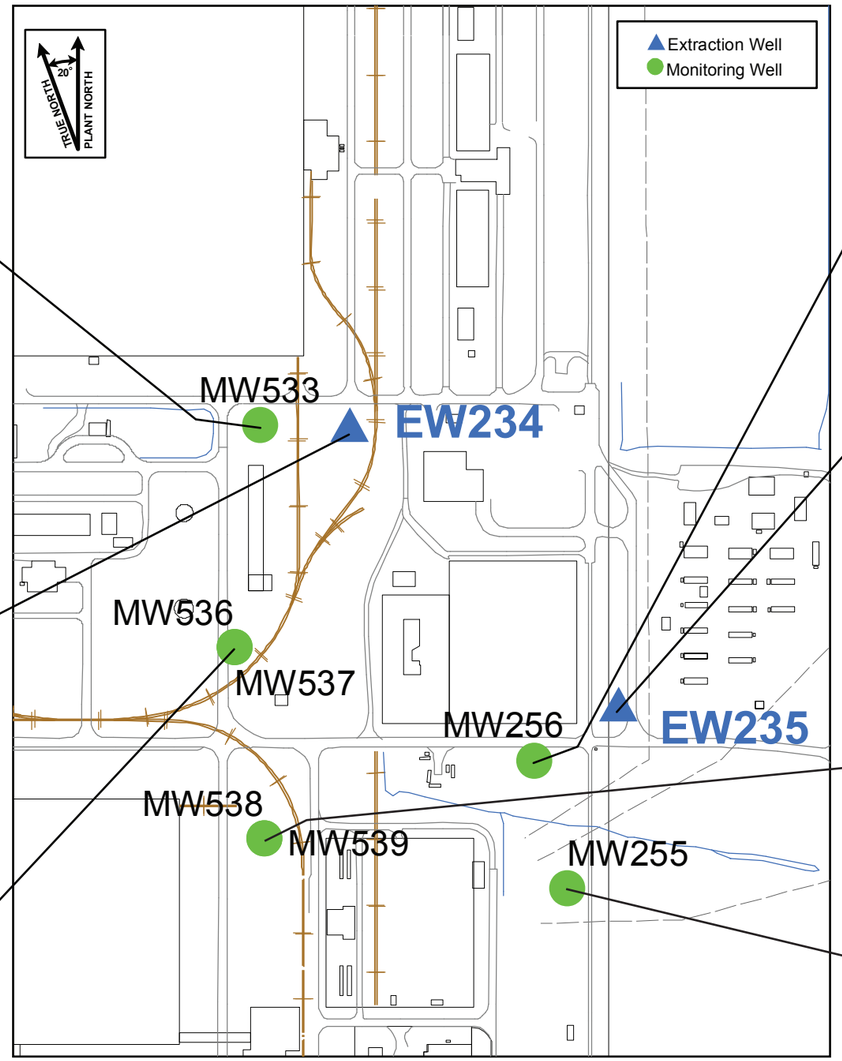


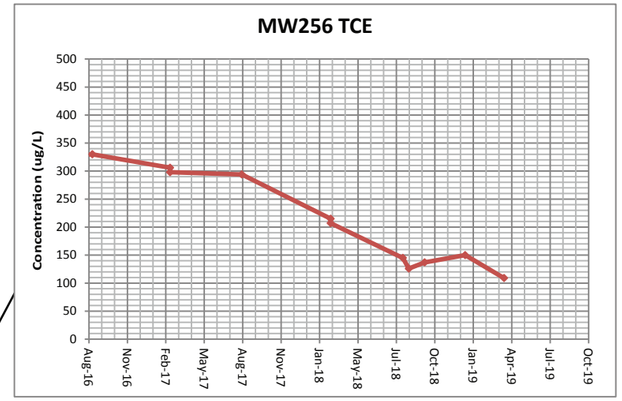
Figure B.8. Northeast Plume-Upgradient Transect Wells - Tc-99 Trends

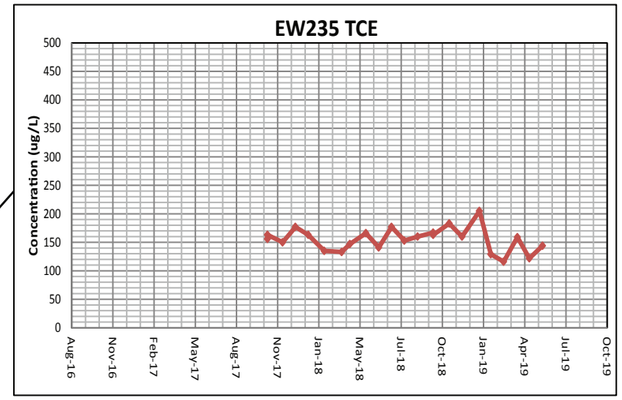


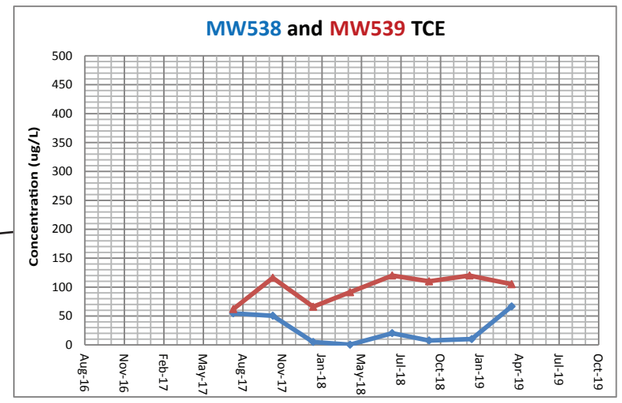












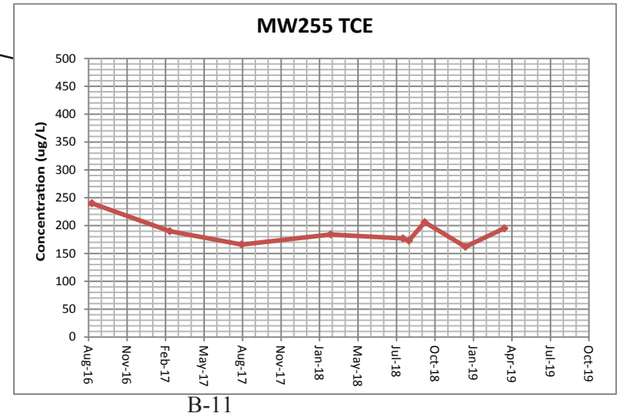
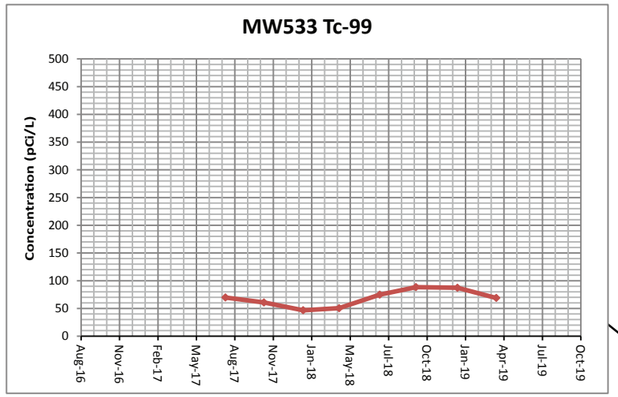
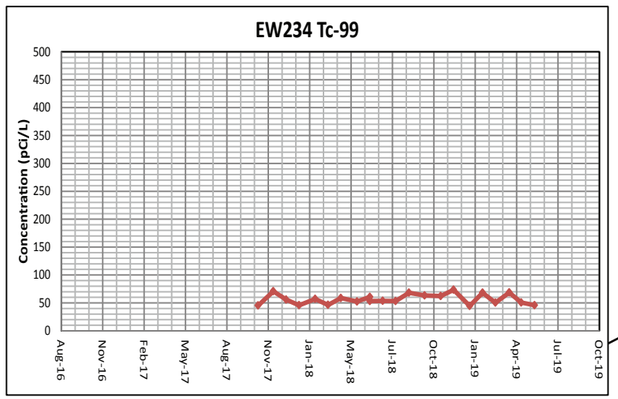
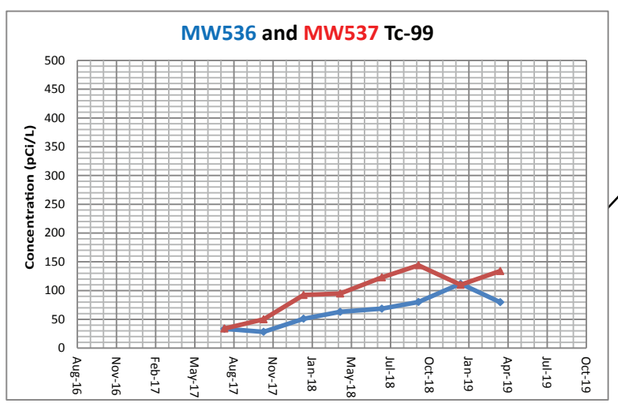
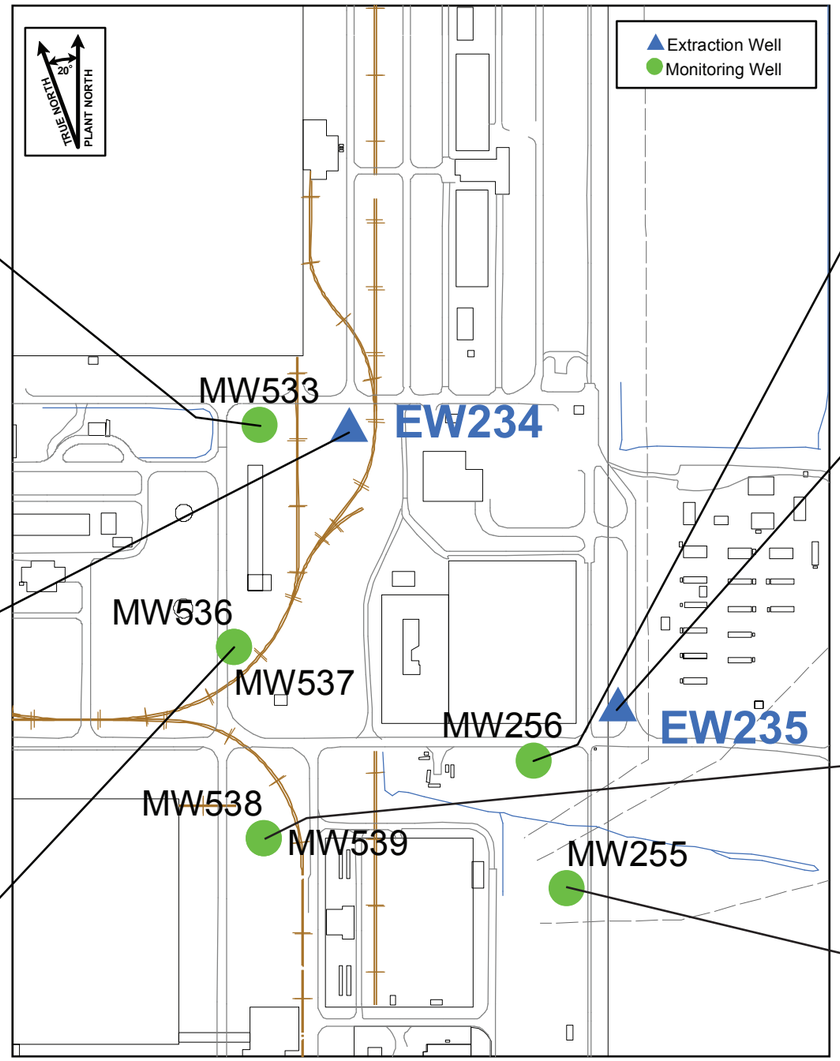


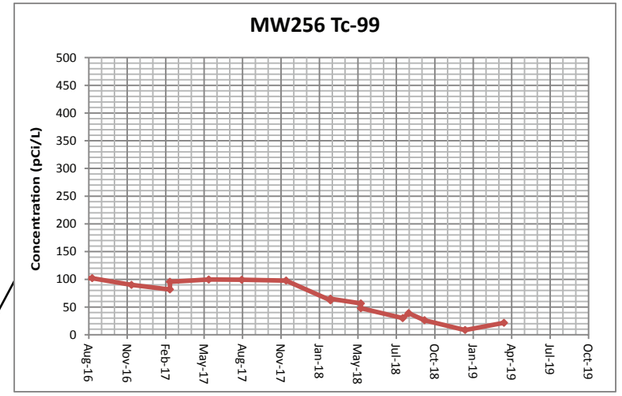
Figure B.9. Northeast Plume- Monitoring Wells Near Extraction Wells - TCE Trends

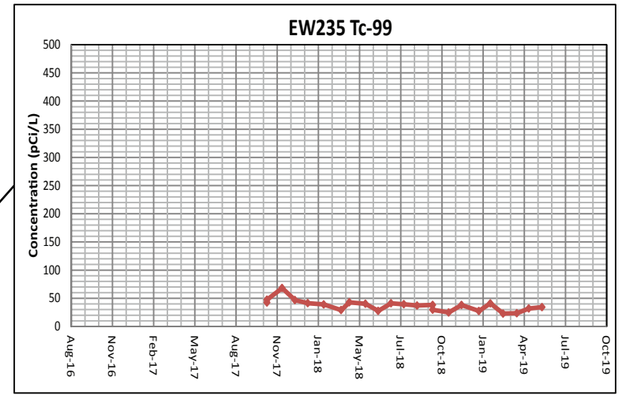


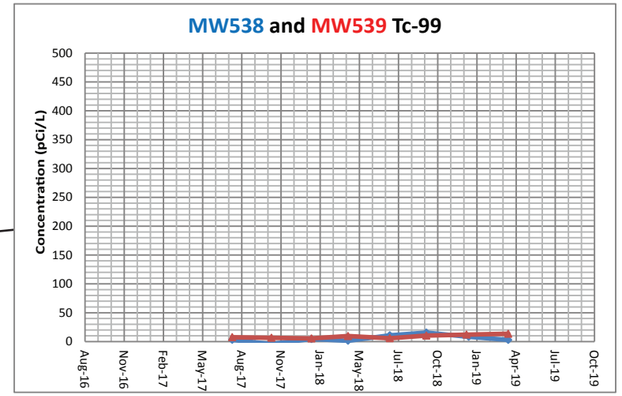












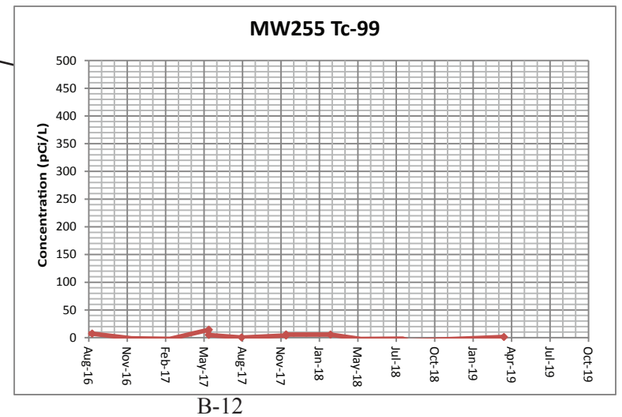
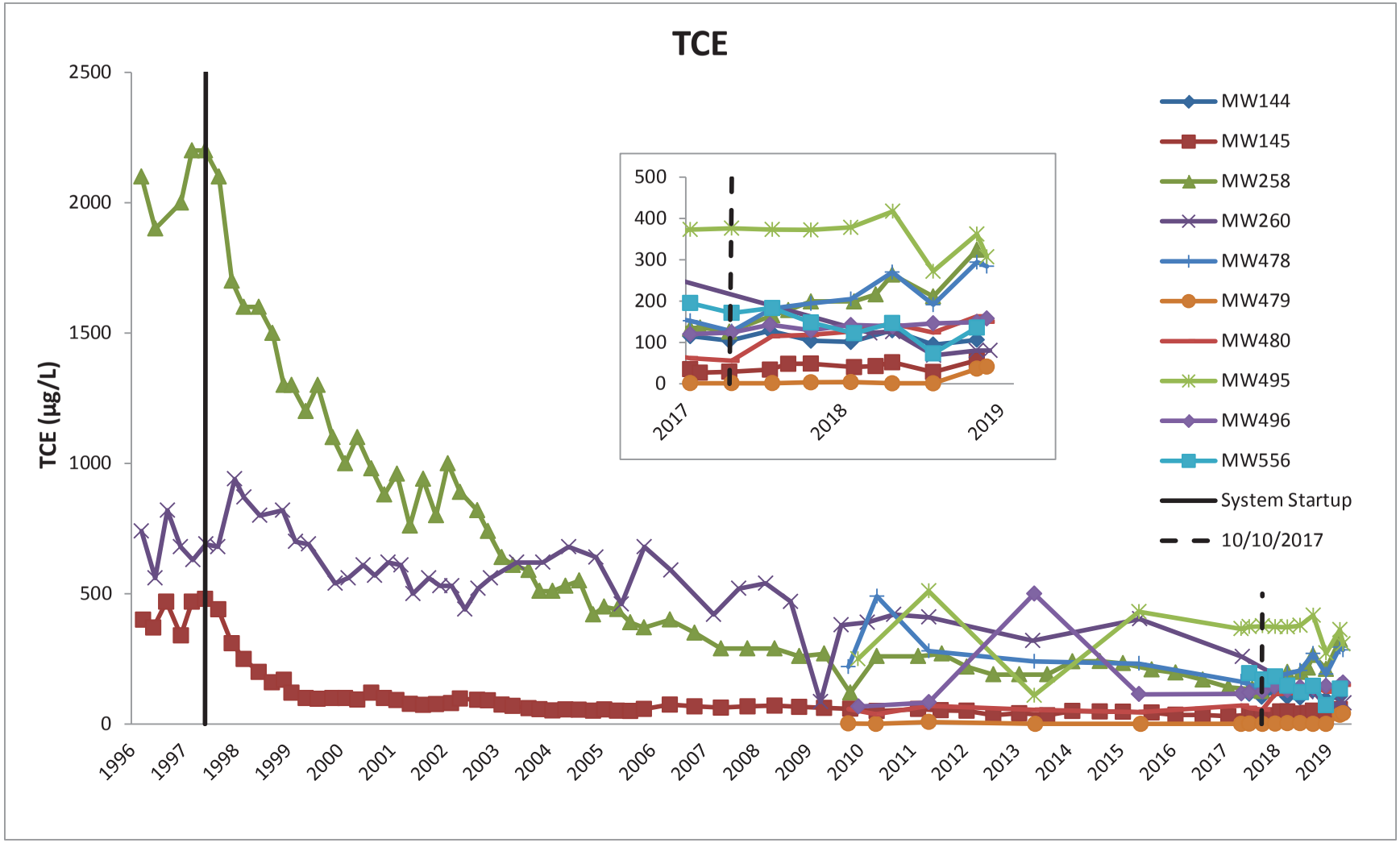
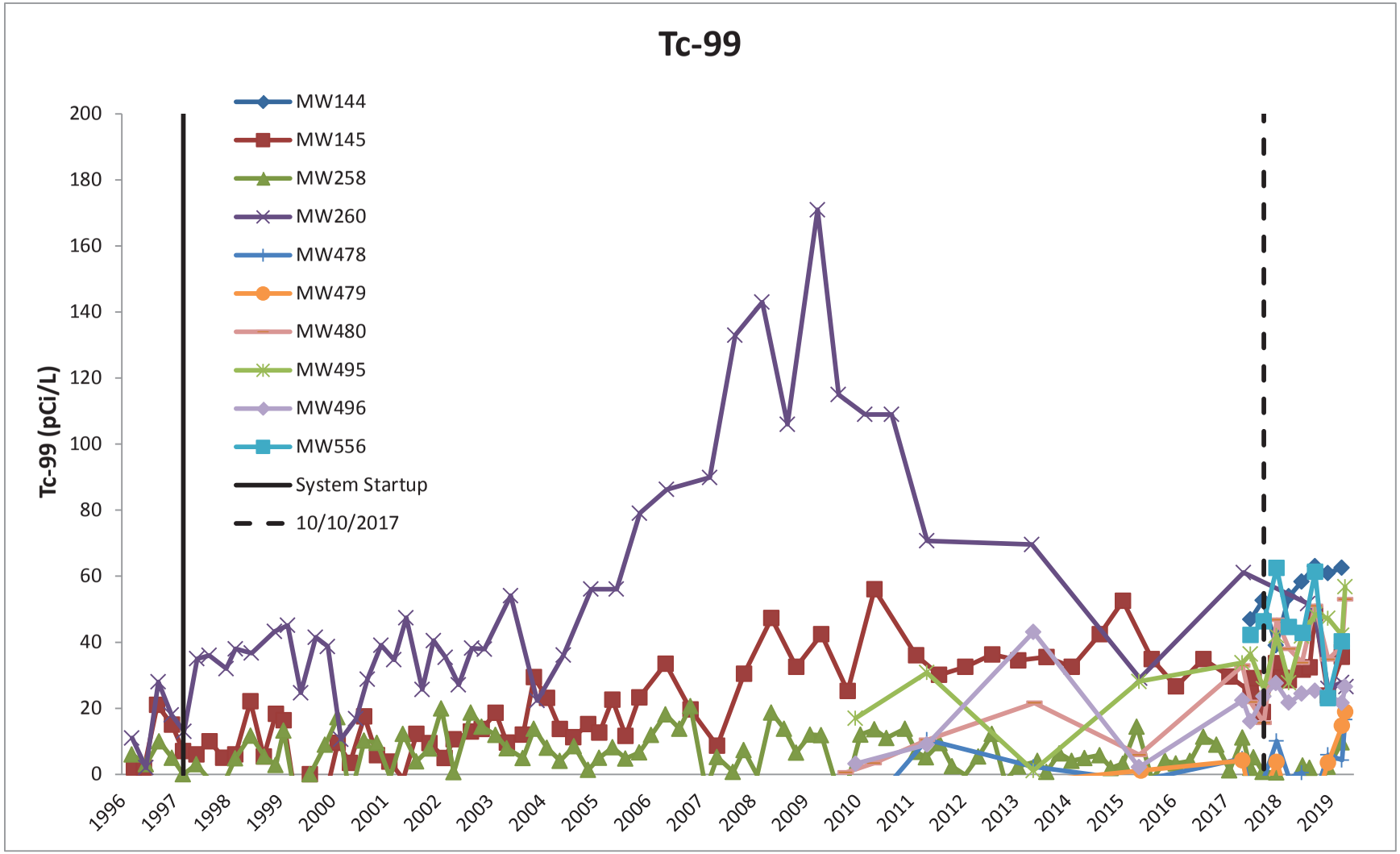


Figure B.10. Northeast Plume-Monitoring Wells Near Extraction Wells-Tc-99 Trends



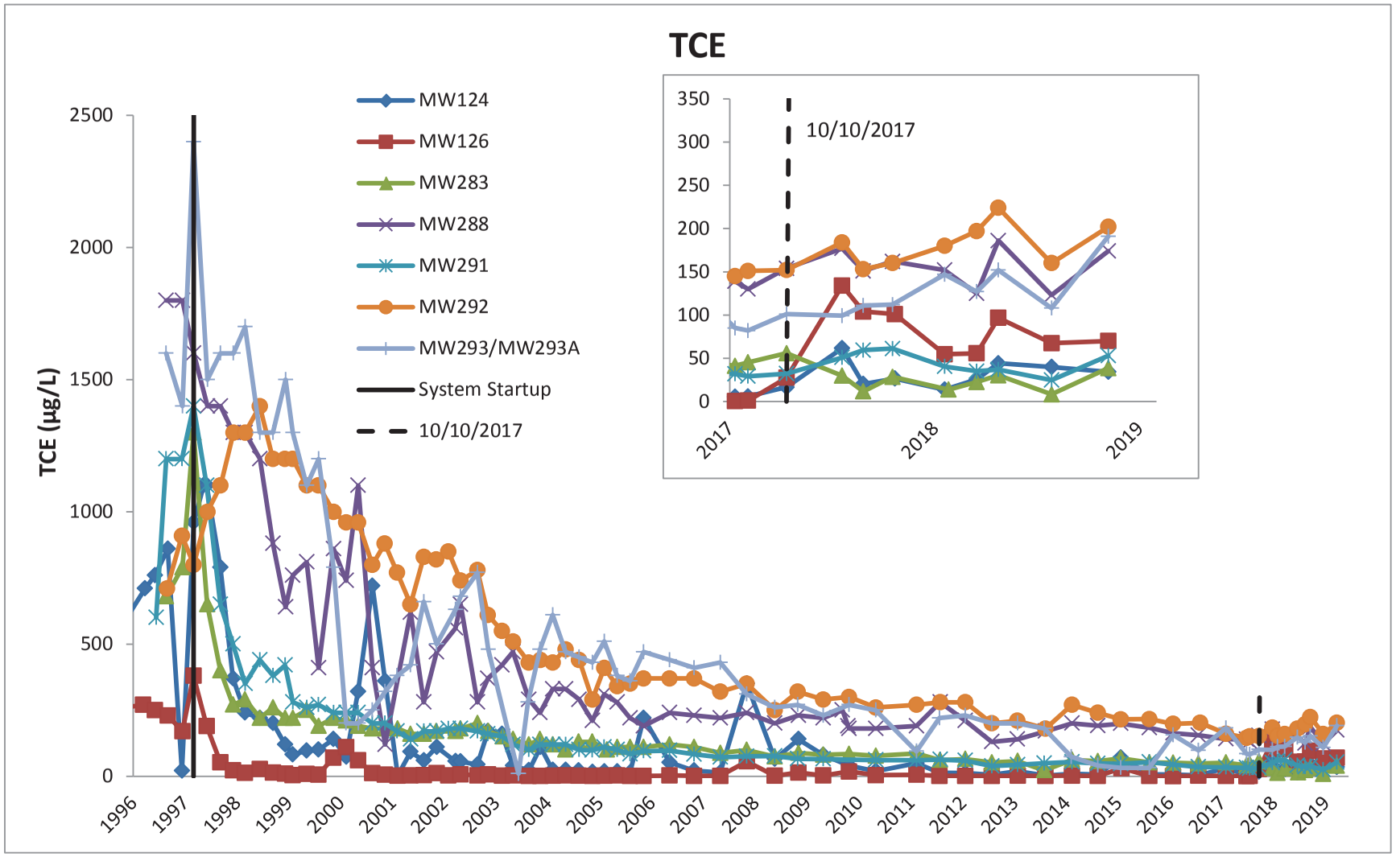
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.11. Northeast Plume—TCE Concentrations in Downgradient Wells



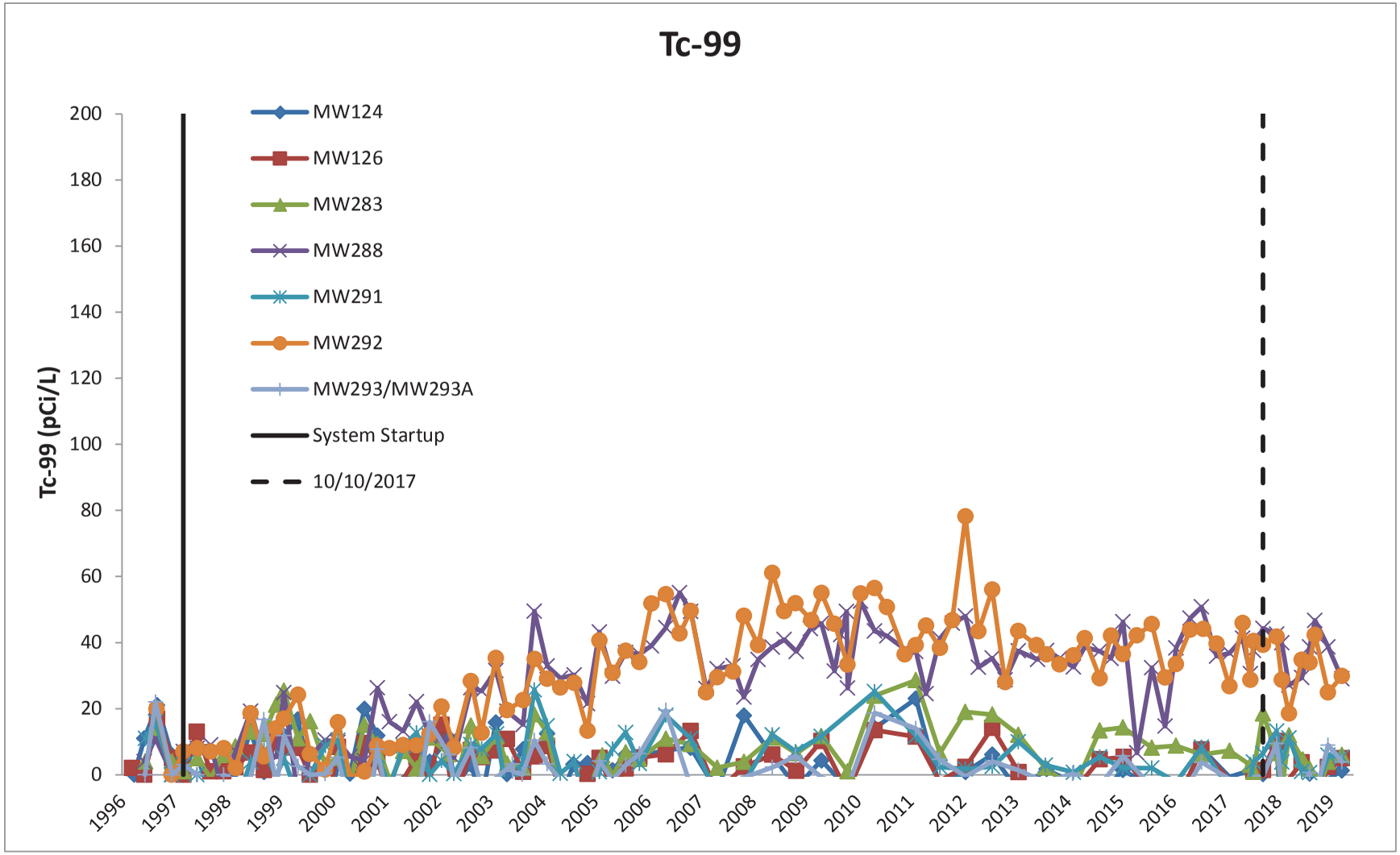
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.12. Northeast Plume—Tc-99 Activities in Downgradient Wells



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

Figure B.13. Northeast Plume—TCE Concentrations in Distal Downgradient Wells



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

Figure B.14. Northeast Plume—Tc-99 Activities in Distal Downgradient Wells

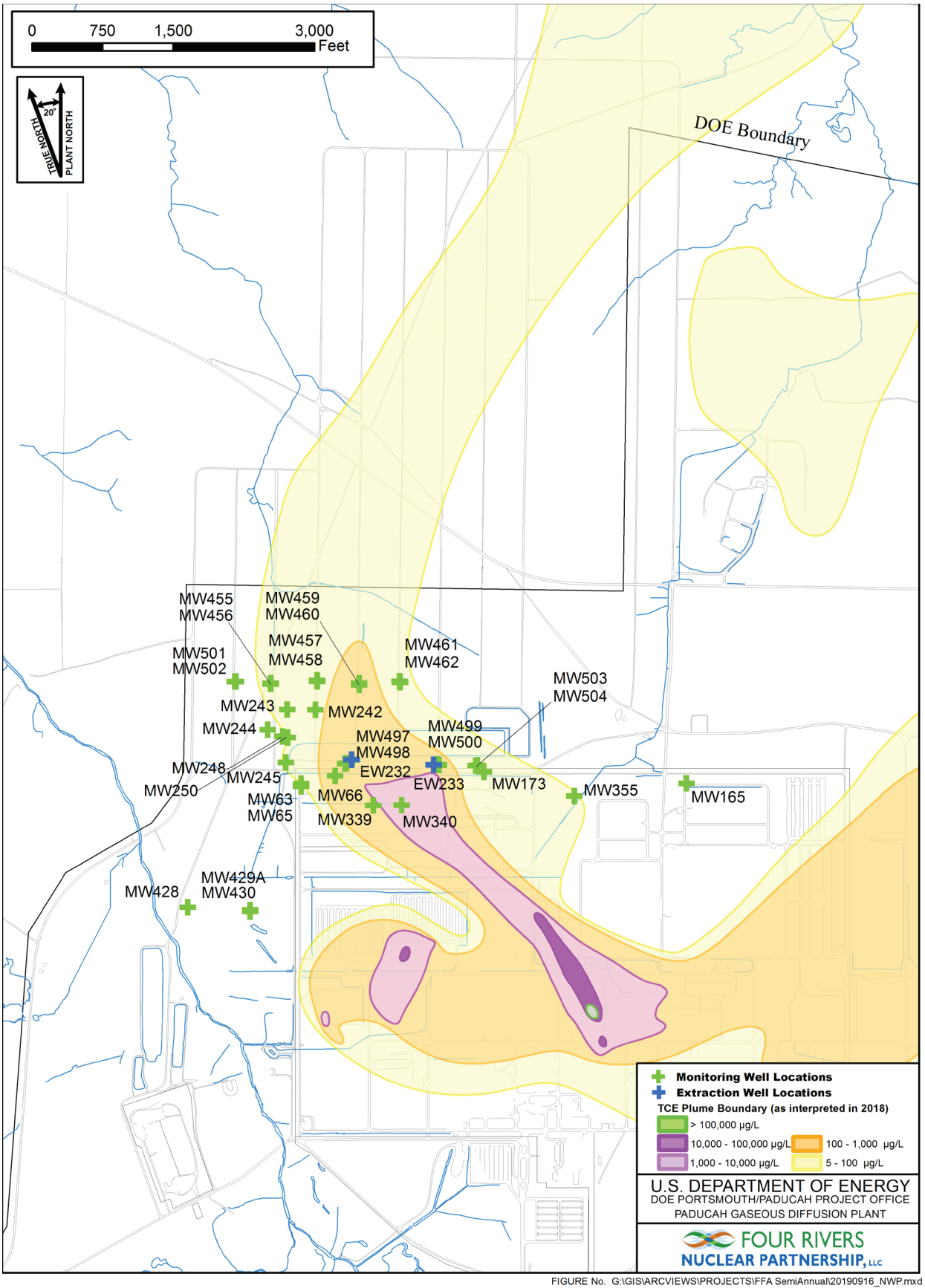


Figure B.15. Northwest Plume Groundwater Wells

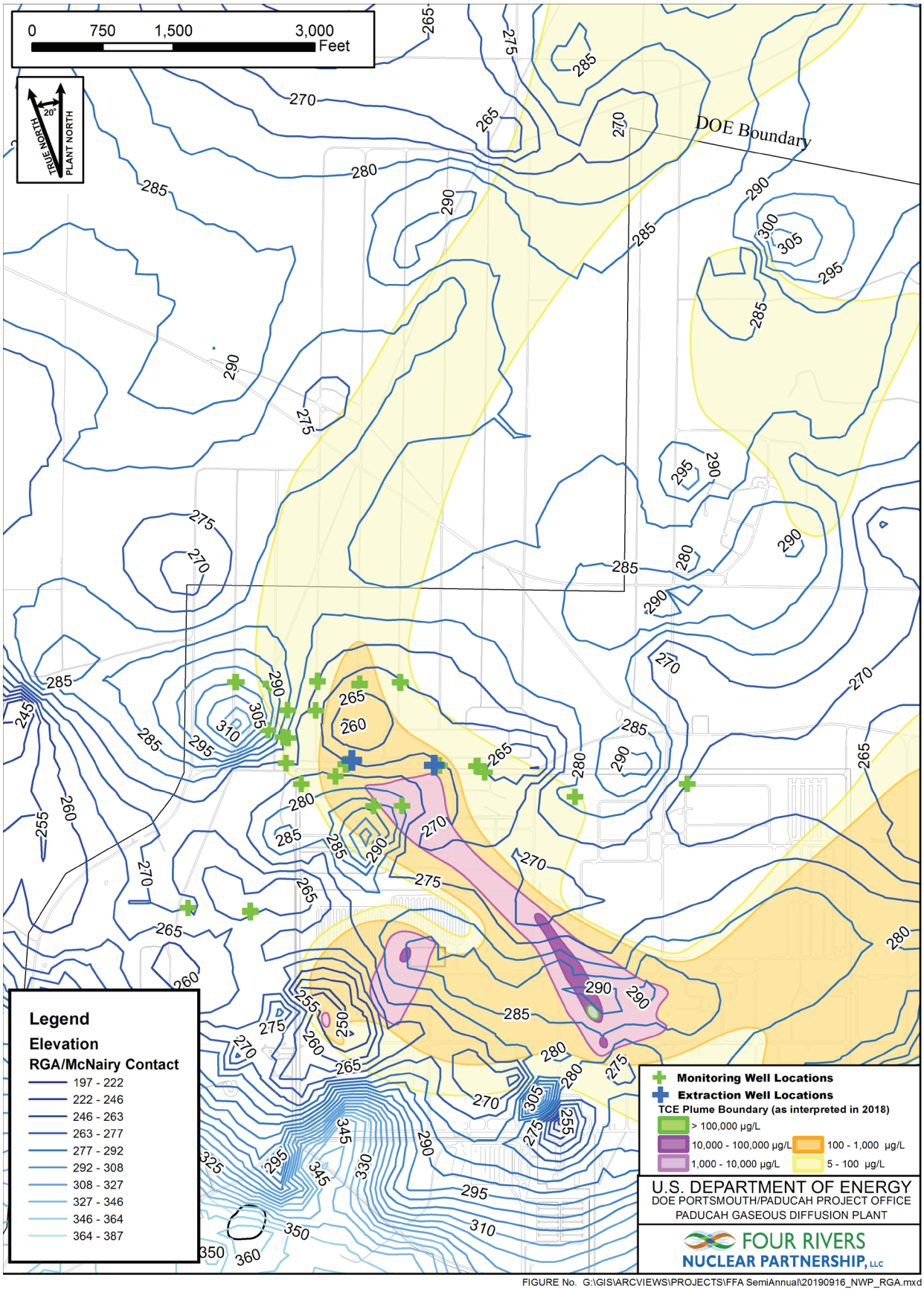
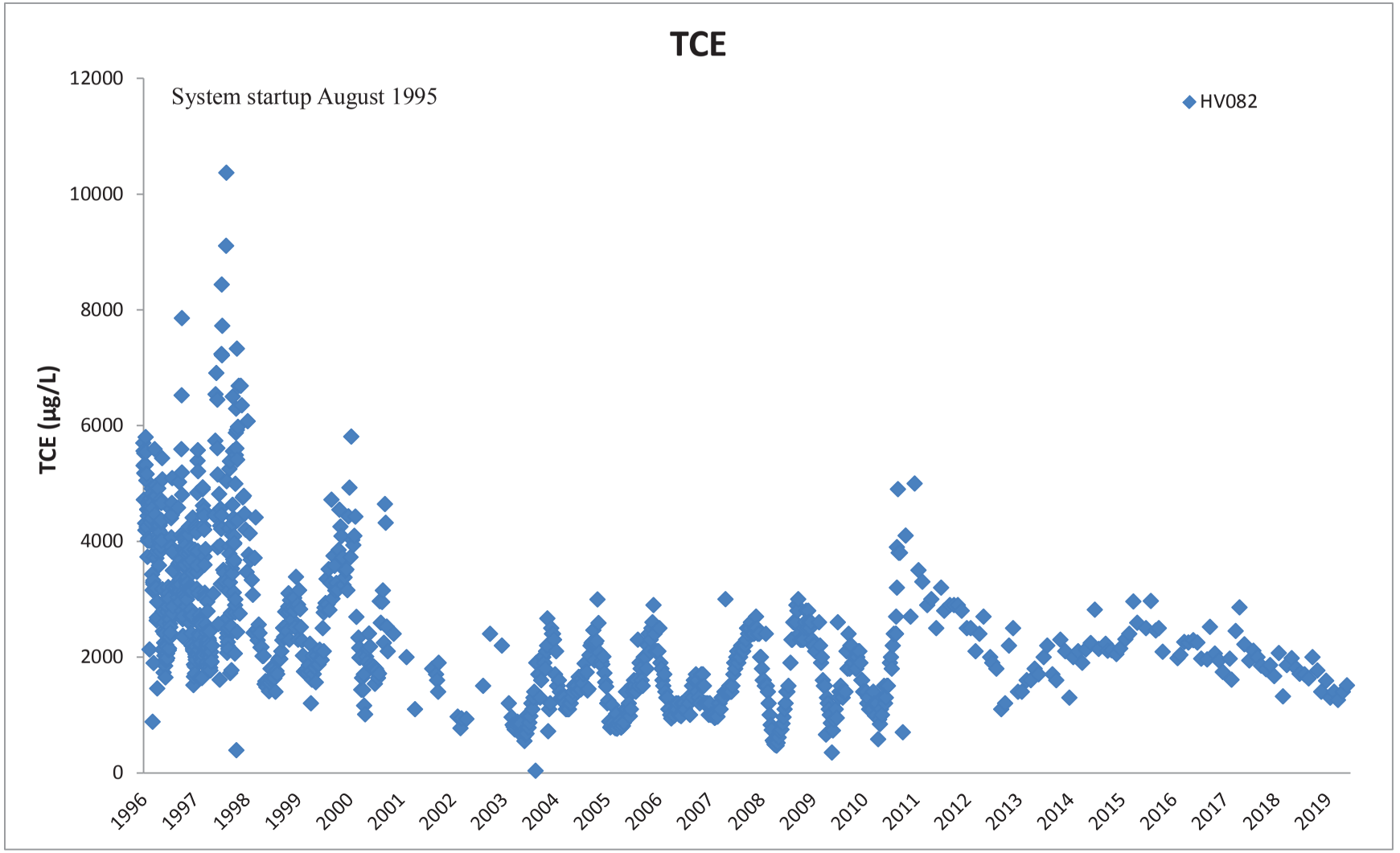
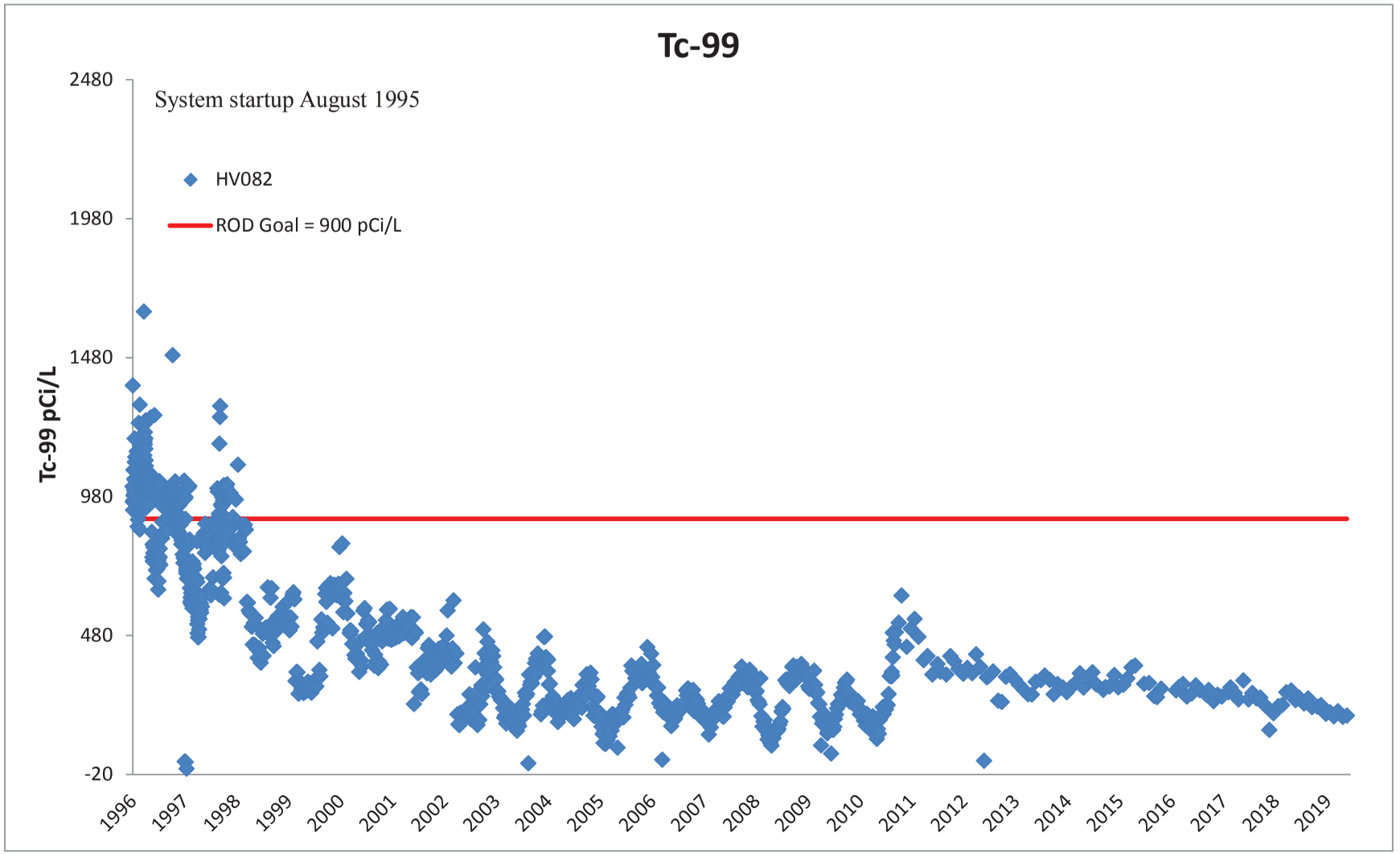


Figure B.16. Northwest Plume with Bottom of Lower Continental Deposits



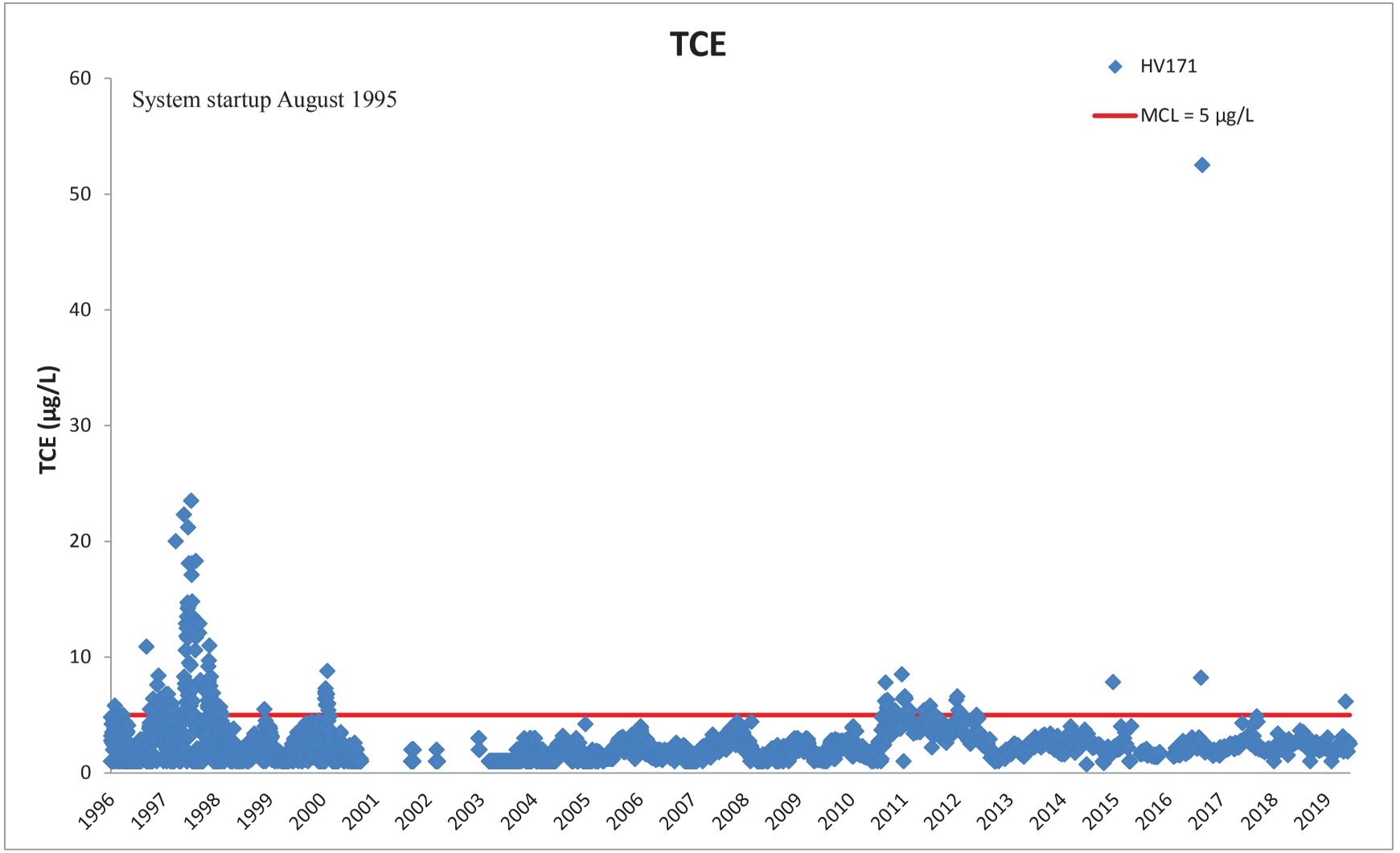
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.17. Northwest Plume Groundwater System Influent TCE Concentrations



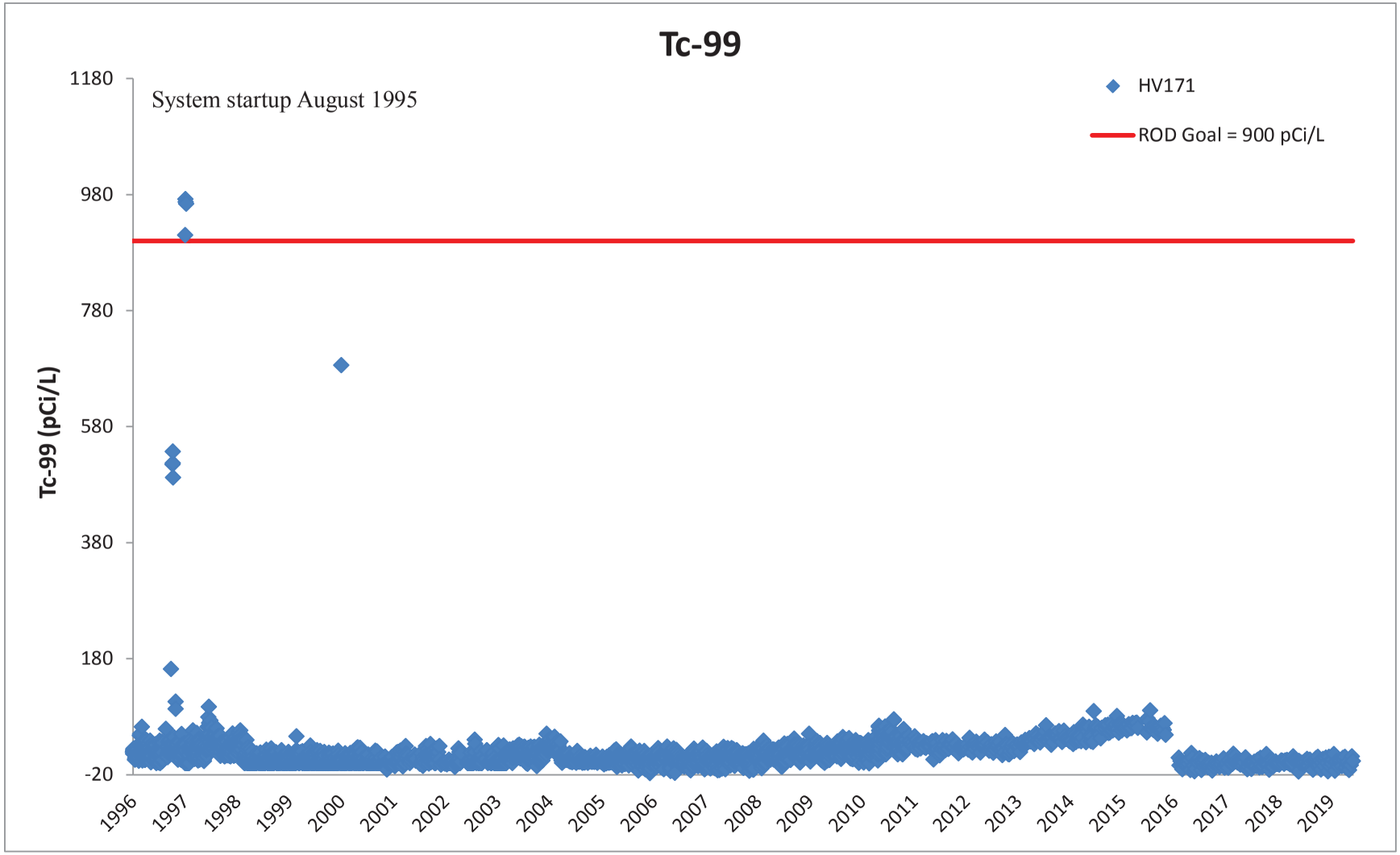
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.18. Northwest Plume Groundwater System Influent Tc-99 Activities



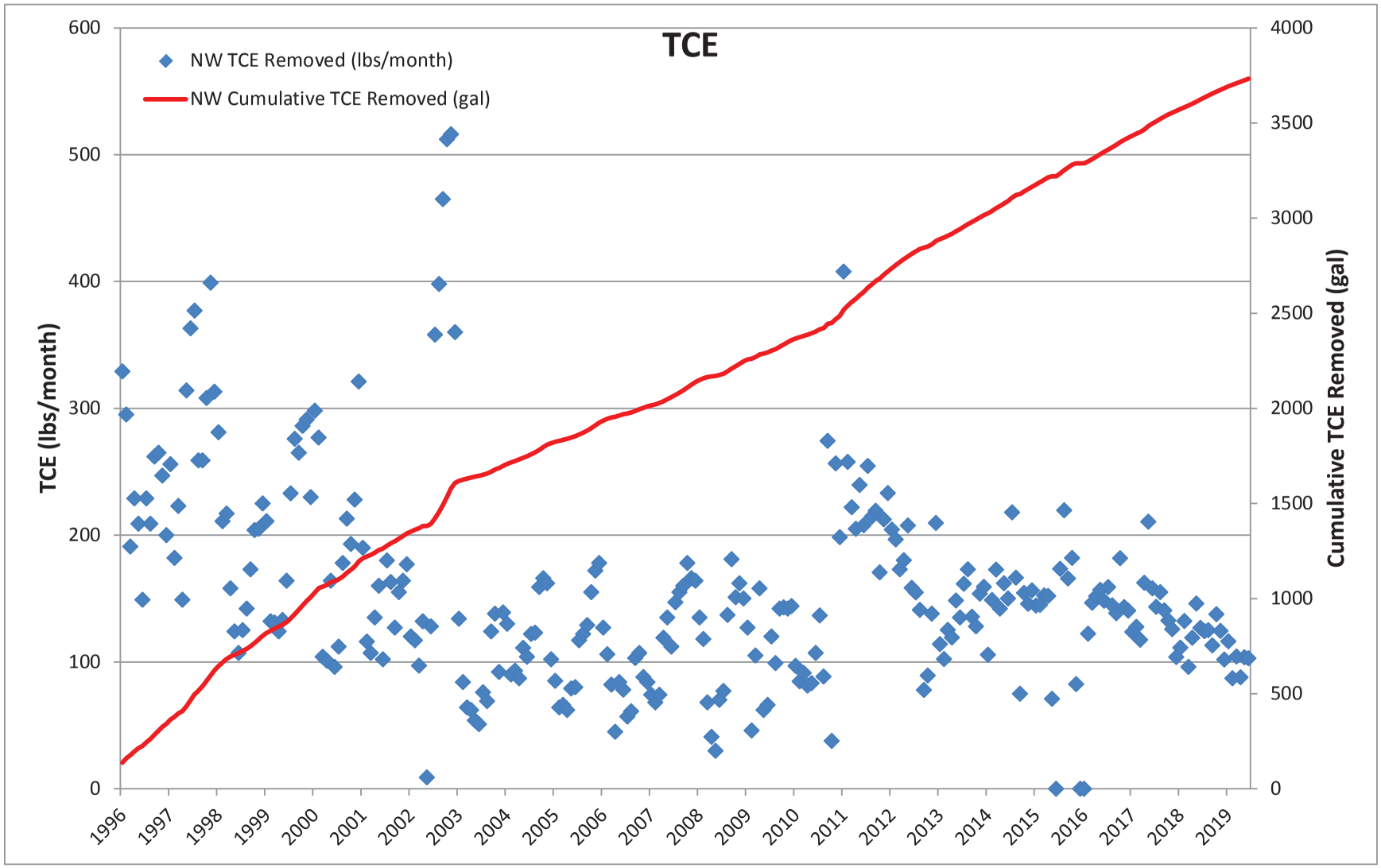
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.19. Northwest Plume Groundwater System Effluent TCE Concentrations



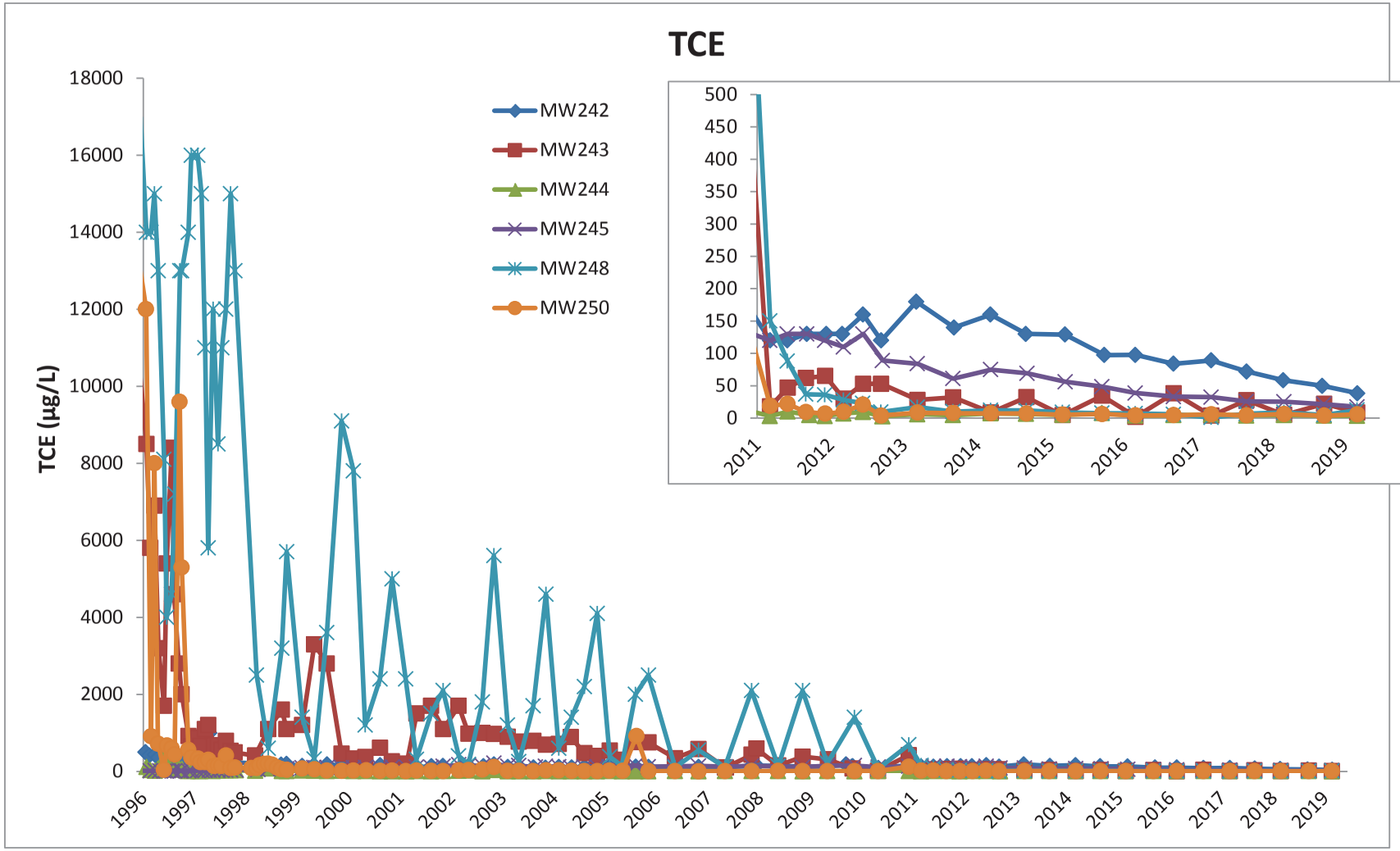
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.20. Northwest Plume Groundwater System Effluent Tc-99 Activities



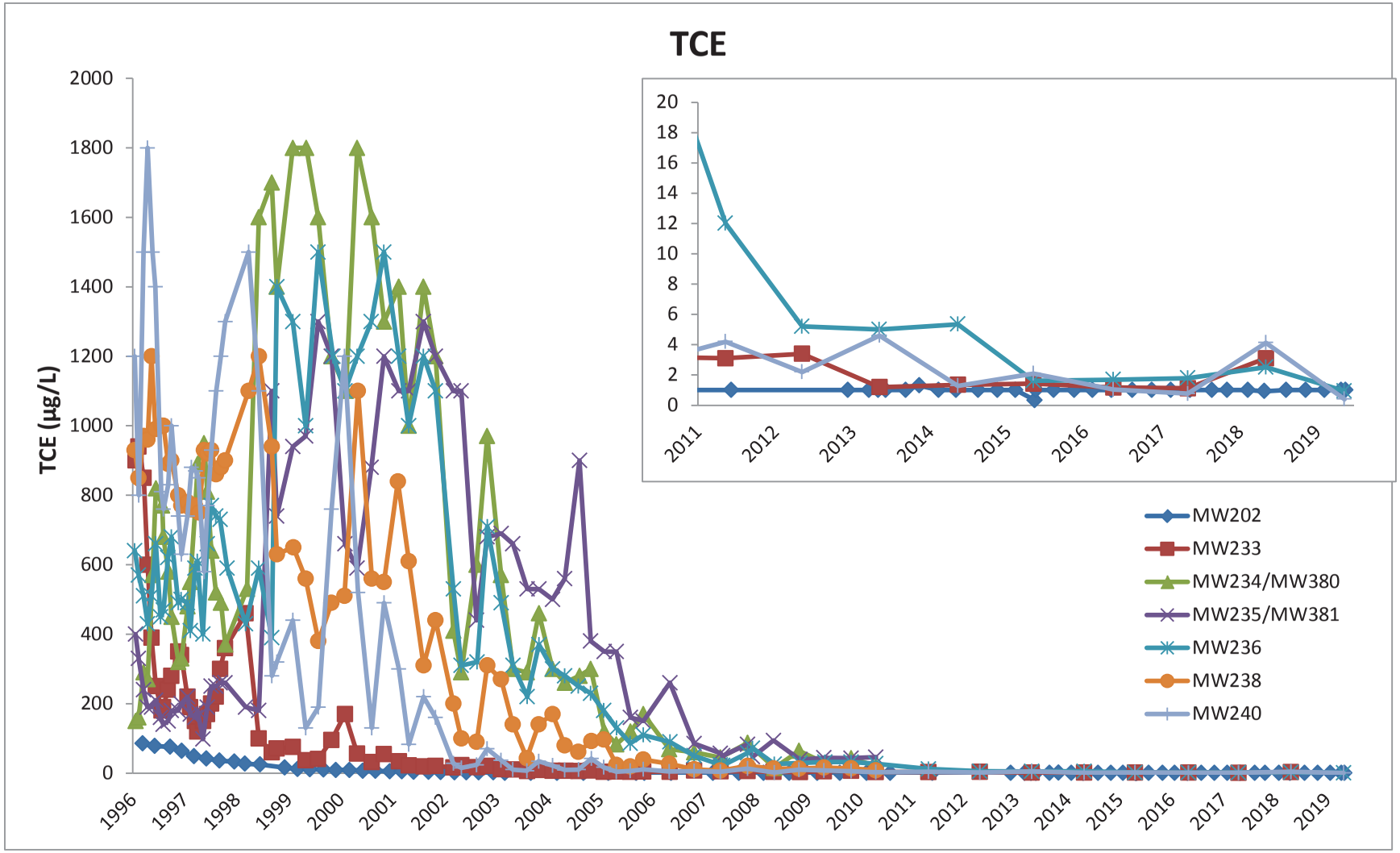
NOTE: Data rejected by validation or assessment are not included on the graph.

Figure B.21. Northwest Plume Groundwater System TCE Removed



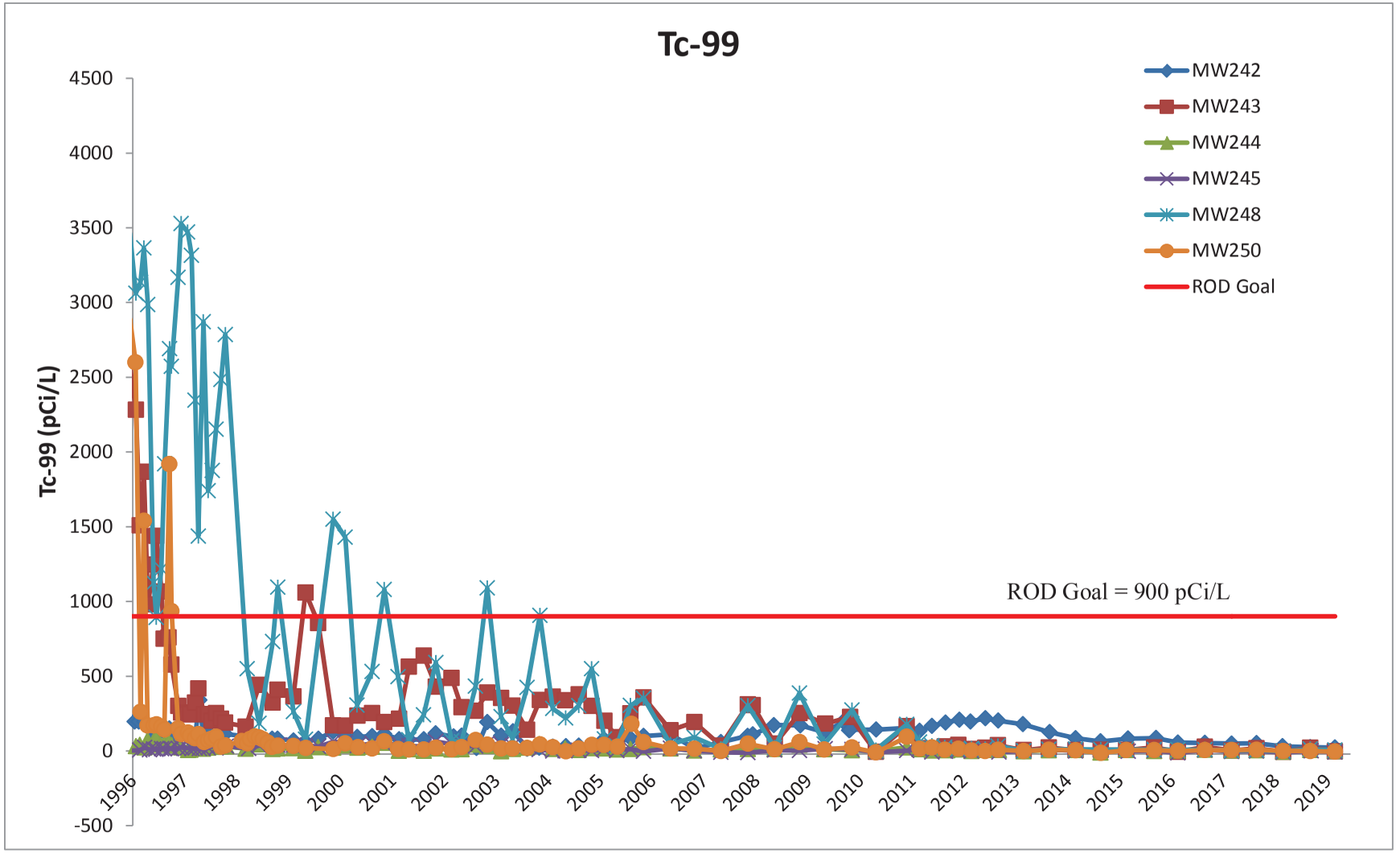
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.22. Northwest Plume—South Well Field TCE Concentrations



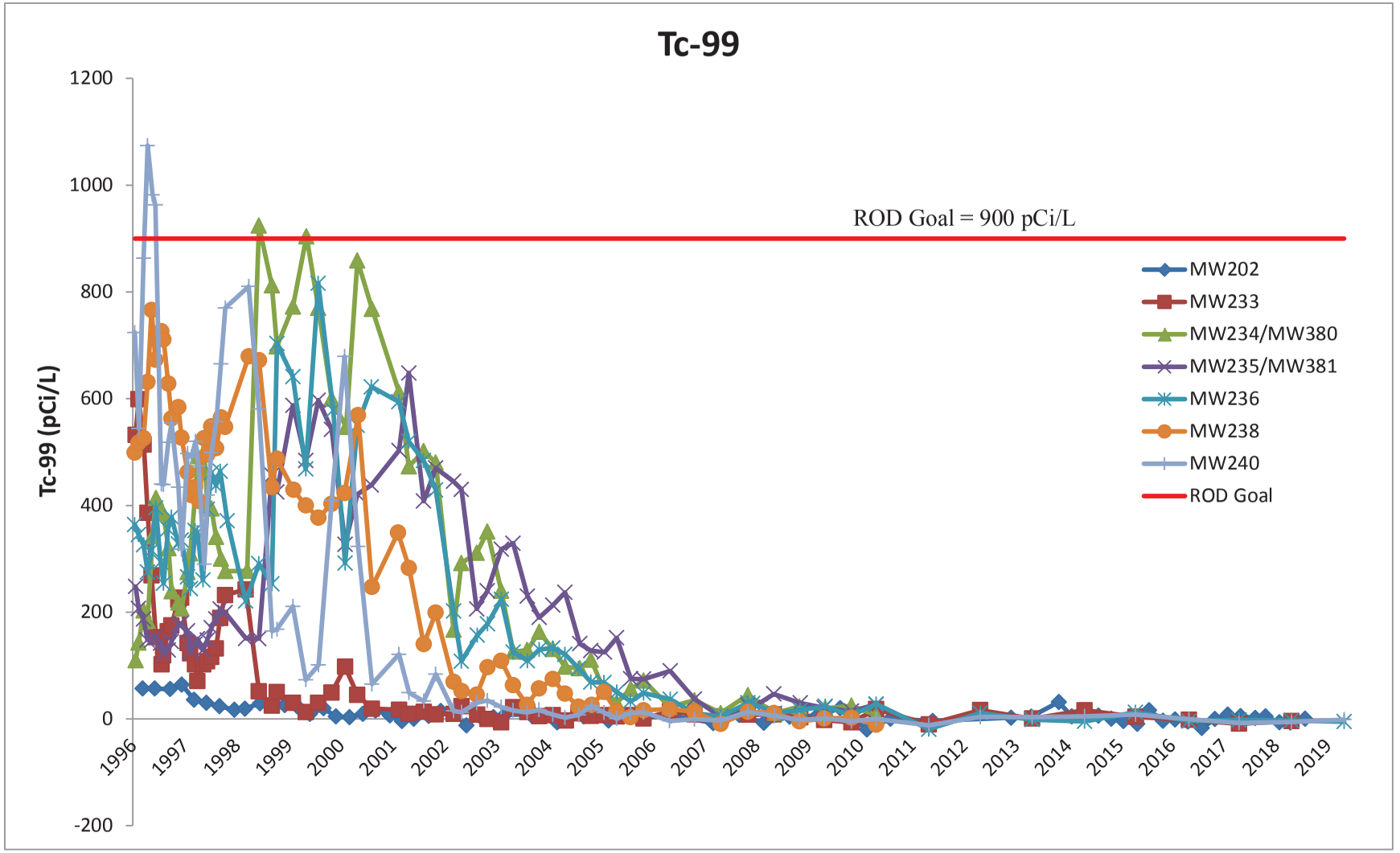
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.23. Northwest Plume—North Well Field TCE Concentrations



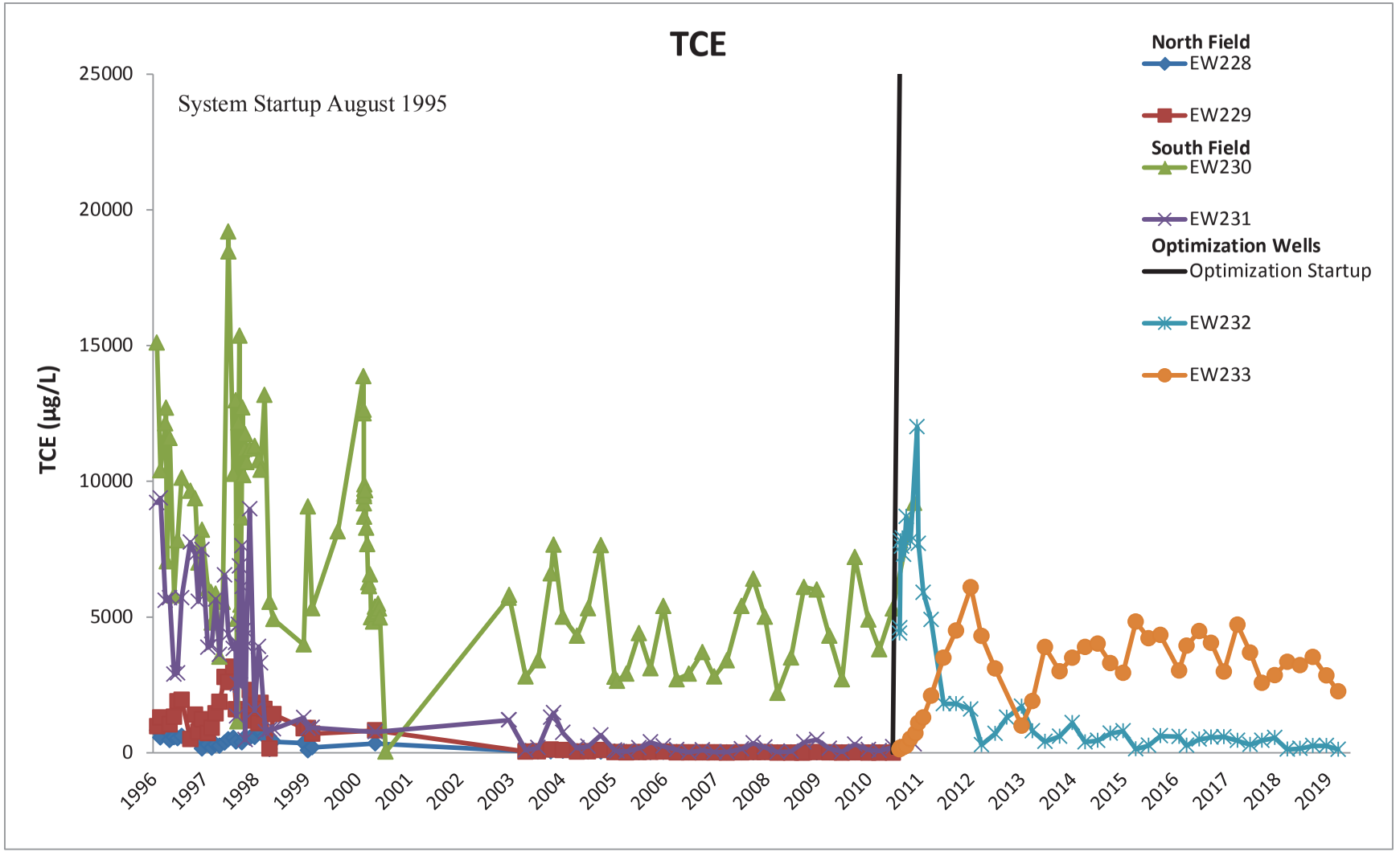
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.24. Northwest Plume—South Well Field Tc-99 Activities



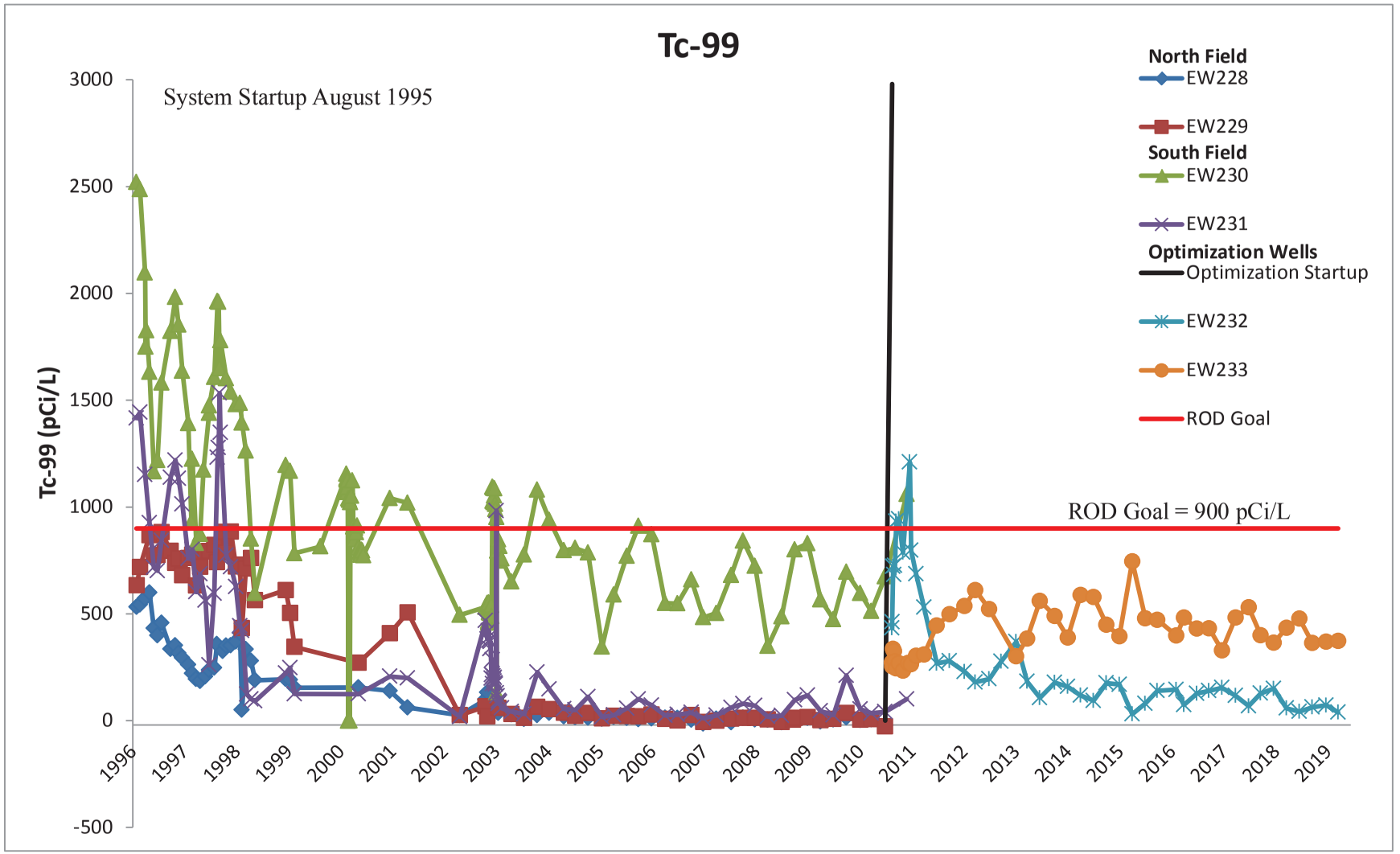
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.25. Northwest Plume—North Well Field Tc-99 Activities



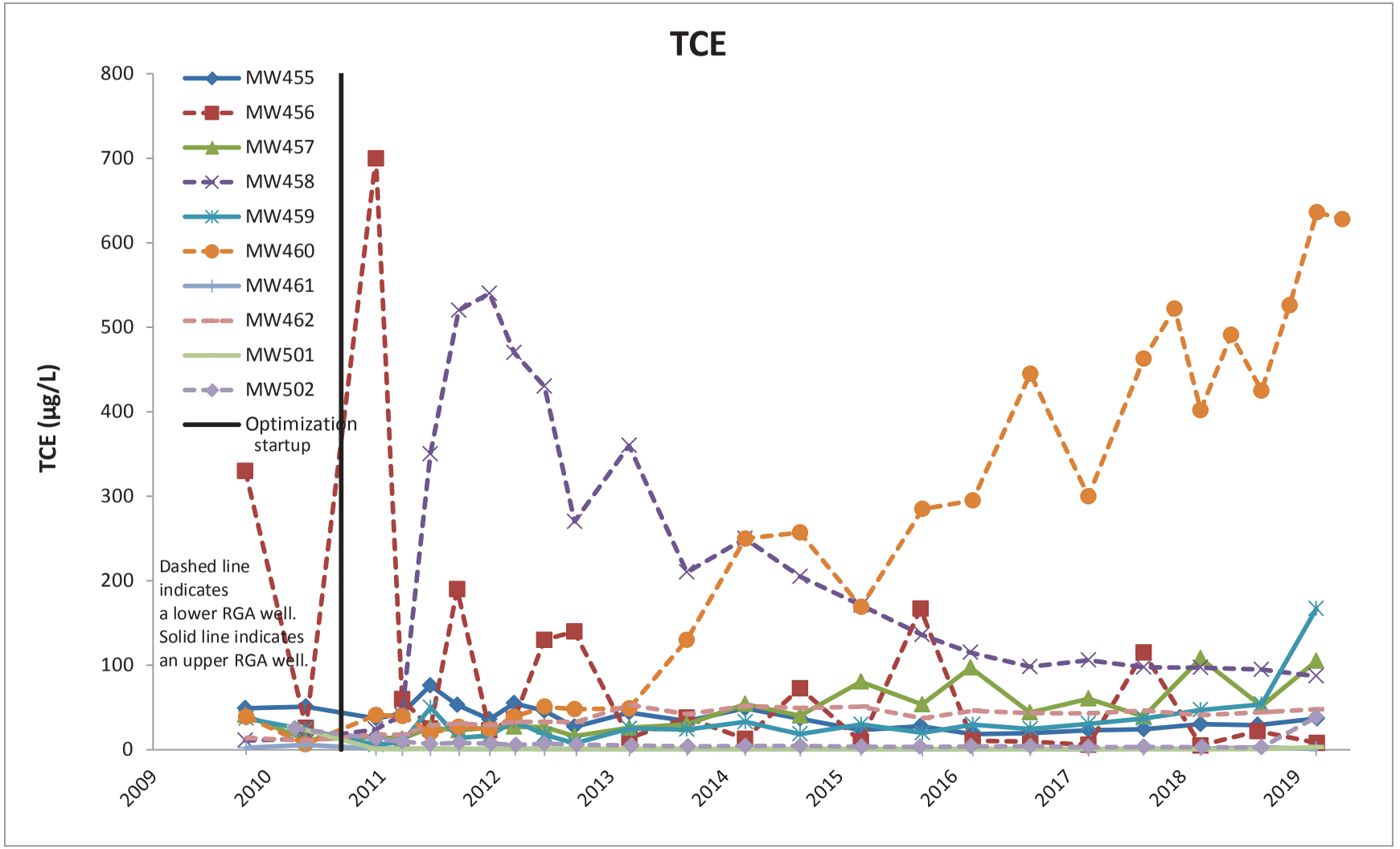
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.26. Northwest Plume—TCE Concentrations in Extraction Wells



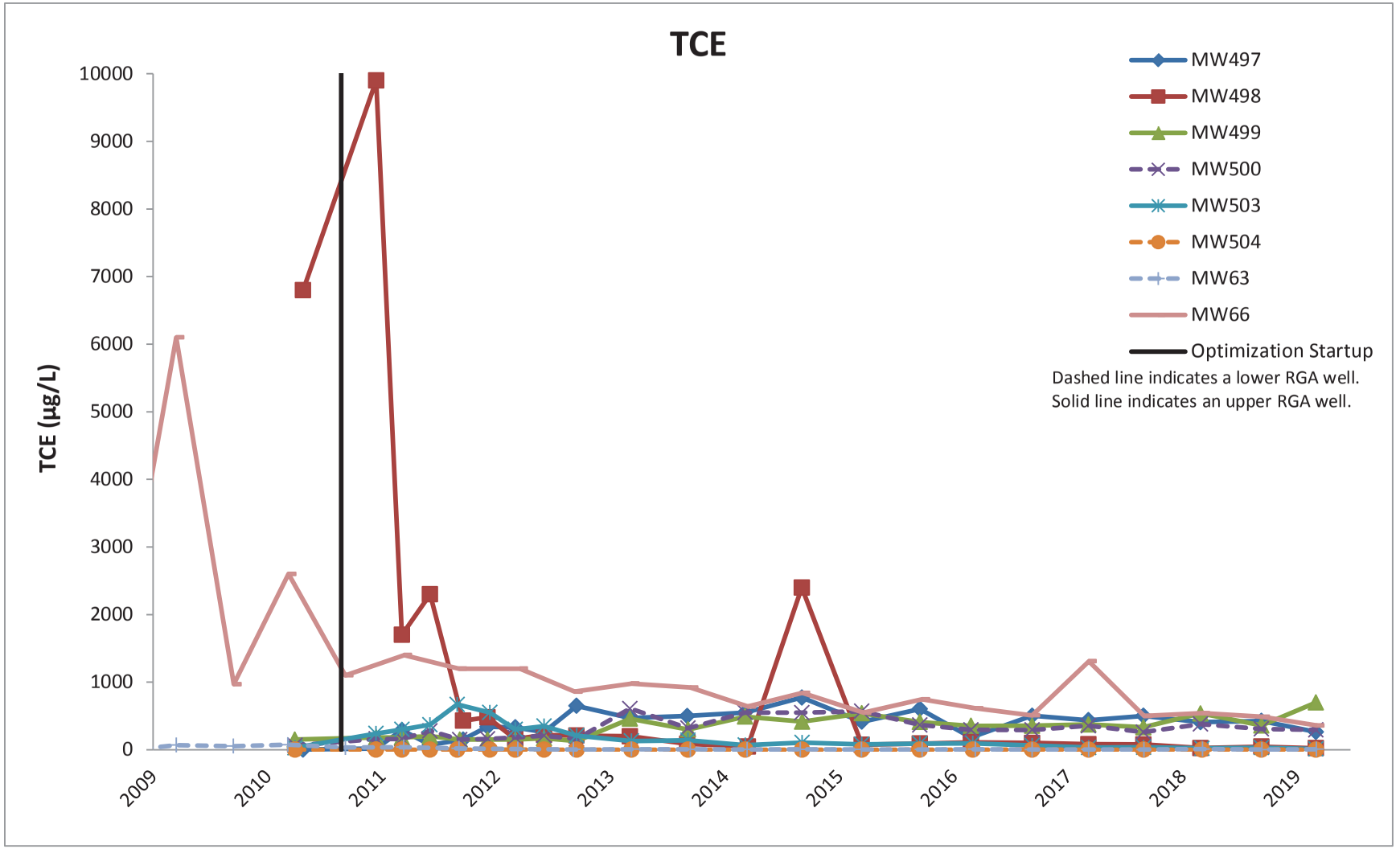
NOTE: Data rejected by validation or assessment have not been graphed.

Figure B.27. Northwest Plume—Tc-99 Activities in Extraction Wells



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

Figure B.28. Northwest Plume—New Well Field TCE Concentrations



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

Figure B.29. Northwest Plume—Additional Well Field TCE Concentrations

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Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
9/3/2013	6.3	< 1					C13246018001
9/10/2013	10	< 5					C13253015001
9/10/2013	9.4	< 5					C13253015002
9/13/2013				< 1		< 1	QTXC0019-13
9/16/2013	9	< 5					C13259014001
9/23/2013	8.3	< 5					C13266024001
10/3/2013			16.2				C13276015001
10/3/2013	9.4	< 1					C13276032002
10/7/2013	6.6	< 1					C13280028001
10/14/2013	3.8	< 1					C13287017001
10/21/2013	< 1	< 1					C13294018001
10/25/2013				< 1		< 1	QTXC00110-13
10/28/2013	2.9	< 5					C13301021001
11/4/2013			20.2				C13308024001
11/4/2013	3	< 5					C13308025001
11/11/2013	3.3	< 5					C13315031001
11/11/2013	3.4	< 5					C13315031002
11/20/2013	3	< 5					C13324011001
11/25/2013	< 1	< 1					C13329036001

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Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
12/2/2013	< 1	< 1					C13336090001
1/21/2014	3.7	< 1					C14021029001
1/21/2014			19.1				C14021027002
1/21/2014			21.2				C14021027001
1/27/2014	3.5	< 1					C14027014001
1/31/2014				< 1		< 1	QTXC0011-14
2/5/2014	< 1	< 1					C14036044001
2/10/2014	4.7	< 1					C14041021001
2/17/2014	5.4	< 1					C14048023001
2/17/2014	5.7	< 1					C14048023002
2/24/2014	4.8	< 1					C14055021001
3/4/2014	4.6	< 1					C14063020001
3/10/2014	5.2	< 1					C14069033001
3/17/2014	4.8	< 1					C14076022001
3/24/2014	2.5	< 1					C14083021001
4/1/2014	2.68	< 1					345636002
4/10/2014			< 10.5				346575006
4/10/2014	3.05	< 1					346575008
4/14/2014	3.42	< 1					346699001

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Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
4/23/2014	3.48	< 1					347434001
4/28/2014	3.63	< 1					347629001
5/7/2014	4.29	< 1					348446001
5/7/2014	4.17	< 1					348446002
5/12/2014	5.02	< 1					348596001
5/19/2014	5.4	< 1					349038001
5/27/2014	11.1	< 1					349629001
6/2/2014	15	< 1					349858001
6/10/2014	4.1	< 1					350426001
6/16/2014	4.5	< 1					350780001
6/23/2014	5.79	< 1					351207001
6/29/2014				< 1		< 1	QTXC001-0614
6/30/2014	6.56	< 1					351615001
7/8/2014	5.68	< 1					352237001
7/14/2014	4.73	< 1					352624001
7/21/2014	3.73	< 1					353177001
7/21/2014			< 12.7				353177002
7/25/2014				< 1		< 1	QTXC001-0714
7/29/2014	4.95	< 1					353694001

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Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia	TUc	Pimephales Promelas TUc	
8/5/2014	7.05	< 1					354137001
8/11/2014	4.35	< 1					354637001
8/18/2014	4.57	< 1					355052001
8/25/2014	6.14	< 1					355488001
9/2/2014	5.39	< 1					355872001
9/8/2014	4.55	< 1					356338001
9/15/2014	4.6	< 1					356868001
9/23/2014	3.92	< 1					357338002
9/29/2014	4.44	< 1					357703001
10/7/2014	6.35	< 1					358590002
10/13/2014			31.3				358950004
10/13/2014	0.52	< 1					358950002
10/20/2014	0.51	< 1					359488004
10/27/2014	2.07	< 1					360011002
10/31/2014				< 1		< 1	QTXC001-1014
11/4/2014	< 1	< 1					360615002
11/11/2014	0.33	< 1					361080002
11/17/2014	< 1	< 1					361458002
11/17/2014	< 1	< 1					361458003

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Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia	TUc	Pimephales Promelas TUc	
11/24/2014	< 1	< 1					361948003
12/1/2014	0.35	< 1					362225002
12/9/2014	< 1	< 1					362804003
12/15/2014	5.35	< 1					363245004
12/22/2014	5.34	< 1					363660002
12/29/2014	3.26	< 1					363851002
1/29/2015	7.68	< 1					366169002
2/2/2015	5.58	< 1					366311002
2/4/2015			22.5				366545001
2/4/2015			23.4				366545002
2/6/2015				< 1		< 1	QTXC001-0215
2/10/2015	3.96	< 1					366969005
2/18/2015	3.81	< 1					367365003
2/18/2015	3.45	< 1					367365002
2/23/2015	3	< 1					367607002
3/2/2015	3.36	< 1					367959002
3/11/2015	4.63	< 1					368692003
3/16/2015	1.19	< 1					368893002
3/16/2015	1.13	< 1					368893003

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Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
3/23/2015	4.16	< 1					369408002
3/30/2015	4.45	< 1					369759002
4/7/2015	5.84	< 1					370571006
4/13/2015	5.78	< 1					370982003
4/20/2015	4.83	< 1					371423003
4/20/2015			18.2				371423001
4/24/2015				< 1		< 1	QTXC001-0415
4/28/2015	4.26	< 1					371963002
5/5/2015	5.31	< 1					372605002
5/5/2015	4.94	< 1					372605003
5/11/2015	4.8	< 1					372848003
5/18/2015	4.1	< 1					373300002
5/26/2015	5.68	< 1					373775002
6/2/2015	5.36	< 1					374232002
6/8/2015	6.39	< 1					374647003
6/15/2015	7.27	< 1					375139002
6/22/2015	6.12	< 1					375551002
6/29/2015	6.74	< 1					375908003
7/6/2015	6.47	< 1					376221002

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Sample Date Range: 9/3/2013 - 8/9/2019

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Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia	TUc	Pimephales Promelas TUc	
7/13/2015			38				377120004
7/13/2015	7.59	< 1					377120006
7/17/2015				< 1		< 1	QTXC001-0715
7/20/2015	7.72	< 1					377564002
7/30/2015	7.86	< 1					378414002
8/3/2015	7.15	< 1					378504001
8/11/2015	7.6	< 1					379137003
8/17/2015	6.16	< 1					379518002
8/24/2015	5.1	< 1					379891004
8/31/2015	7.58	< 1					380316002
9/8/2015	8.55	< 1					380778002
9/15/2015	6.68	< 1					381232003
9/21/2015	5.86	< 1					381607002
9/28/2015	6.48	< 1					381967002
10/6/2015	6.11	< 1					382713002
10/13/2015	5.06	< 1					383173005
10/19/2015			< 13.3				383605001
10/19/2015	3.12	< 1					383605003
10/23/2015				< 1		< 1	QTXC001-1015

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Sample Date Range: 9/3/2013 - 8/9/2019

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Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
10/26/2015	3.34	< 1					384073001
11/3/2015	3.72	< 1					384687002
11/9/2015	3.29	< 1					385132003
11/16/2015	3.33	< 1					385708002
11/16/2015	3.23	< 1					385708003
11/23/2015	3.14	< 1					386250003
11/30/2015	3.52	< 1					386486002
12/7/2015	3.62	< 1					386947002
12/14/2015	6.21	< 1					387486003
12/21/2015	3.44	< 1					387961002
12/28/2015	4.04	< 1					388160002
1/4/2016			< 16.3				388627005
1/4/2016	3.09	< 1					388627007
1/4/2016			< 18.3				388627004
1/11/2016	5.15	< 1					389075002
1/19/2016	2.9	< 1					389669002
1/25/2016	3.36	< 1					390034002
1/29/2016				< 1		< 1	QTXC001-0116
2/1/2016	3.33	< 1					390453002

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Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

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Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
2/8/2016	3.3	< 1					390933003
2/17/2016	3.24	< 1					391578002
2/17/2016	3.24	< 1					391578003
2/22/2016	3.04	< 1					391842002
2/29/2016	3.41	< 1					392231002
3/8/2016	4.14	< 1					392896004
3/14/2016	3.72	< 1					393230001
3/21/2016	2.82	< 1					393611002
3/28/2016	5.09	< 1					393963002
4/5/2016	2.66	< 1					394654001
4/5/2016	2.66	< 1					394654002
4/5/2016			< 16.5				394654006
4/11/2016	3.69	< 1					395009002
4/18/2016	3.84	< 1					395559002
4/22/2016				< 1		< 1	QTXC001-0416
4/26/2016	6.13	< 1					396121001
5/3/2016	2.55	< 1					396568003
5/9/2016	3.2	< 1					397075002
5/16/2016	2.42	< 1					397535002

* Project Sample ID is used if Lab Sample ID is not available.

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The date range reflects the first and last sample collection date for this data set through 8/9/2019 for reporting of July and August toxicity results.

Northeast Plume CERCLA Outfall Monitoring

Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

C001

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
5/23/2016	2.95	< 1					397984002
6/7/2016	3.2	< 1					398913002
6/13/2016	3.58	< 1					399291002
6/20/2016	3.68	< 1					399780002
6/27/2016	3.44	< 1					400228002
7/6/2016			20.1				401038004
7/6/2016			< 15				401038005
7/6/2016	3.33	< 1					401038007
7/11/2016	2.95	< 1					401330002
7/18/2016	3.77	< 1					401899002
7/25/2016	3.18	< 1					402378002
7/29/2016				< 1		< 1	QTXC001-0716
8/1/2016	3.5	< 1					402874004
8/8/2016	3.15	< 1					403433002
8/15/2016	3.63	< 1					403928002
8/22/2016	1.83	< 1					404376002
8/29/2016	3.46	< 1					404871002
9/6/2016	< 3.13	< 1					405309003
9/13/2016	< 3.11	1					405843002

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Northeast Plume CERCLA Outfall Monitoring

Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

C001

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
9/19/2016	3.46	< 1					406268002
9/26/2016	< 1	< 1					406761002
10/3/2016	< 1	< 1					407409002
10/10/2016			22				407689005
10/10/2016	< 1	< 1					407689007
10/14/2016				< 1		< 1	QTXC001-1016
10/17/2016	< 3.79	< 1					408434002
10/24/2016	< 3.01	< 1					409012002
10/31/2016	< 3.68	< 1					409492002
11/8/2016	3.41	< 1					410178004
11/8/2016	3.25	< 1					410178005
11/14/2016	3.09	< 1					410597002
11/21/2016	2.79	< 1					411177002
11/28/2016	3.39	< 1					411421002
12/6/2016	2.61	< 1					412013002
12/12/2016	2.41	< 1					412498003
12/19/2016	1.62	< 1					413001002
12/27/2016	2.28	< 1					413365001
1/4/2017	1.71	< 1					413711002

* Project Sample ID is used if Lab Sample ID is not available.

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The date range reflects the first and last sample collection date for this data set through 8/9/2019 for reporting of July and August toxicity results.

Northeast Plume CERCLA Outfall Monitoring

Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

C001

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
1/9/2017			32.6				413954005
1/9/2017	4.16	< 1					413954007
1/17/2017	2.78	< 1					414480002
1/23/2017	2.66	< 1					414875002
1/30/2017	2.22	< 1					415330002
2/6/2017	3.06	< 1					415797003
2/13/2017	2.32	< 1					416621002
2/21/2017	2.92	< 1					417084002
2/21/2017	2.92	< 1					417084003
2/27/2017	2.58	< 1					417486002
3/6/2017	2.81	< 1					417894004
3/10/2017				< 1		< 1	QTXC001-0317
3/13/2017	2	< 1					418494002
3/20/2017	2.79	< 1					418903002
3/27/2017	2.92	< 1					419376002
4/4/2017	2.73	< 1					419842005
4/4/2017	< 1	< 1					419842006
4/10/2017	2.78	< 1					420352002
4/17/2017	3.12	< 1					420901002

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Northeast Plume CERCLA Outfall Monitoring

Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

C001

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
4/24/2017	2.66	< 1					421403002
5/1/2017	2.62	< 1					422065003
5/8/2017			< 19.9				422691001
5/8/2017	3.04	< 1					422691003
5/12/2017				< 1			QTXC0015-17
5/15/2017	2.62	< 1					423225002
5/22/2017	1.92	< 1					423789002
5/30/2017	2.3	< 1					424351002
6/5/2017	2.9	< 1					424743004
6/19/2017	2.79	< 1					425832002
6/26/2017	2.24	< 1					426426001
7/5/2017	2.59	< 1					427251001
7/5/2017			26.8				427251005
7/5/2017			28.4				427251006
7/11/2017	3	< 1					427613002
7/17/2017	2.94	< 1					428085001
7/24/2017	3.14	< 1					428713002
8/14/2017	1.97	< 1					430615001
8/21/2017	3.42	< 1					431181002

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Northeast Plume CERCLA Outfall Monitoring

Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

C001

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
8/25/2017				< 1		< 1	QTXC0018-17
8/28/2017	3.06	< 1					431681002
10/11/2017			45.5				434895003
10/11/2017	0.67	< 1					434895007
10/11/2017			59.4				439669001
10/16/2017	0.42	< 1					435322003
10/25/2017	< 1	< 1					436374003
10/30/2017	0.44	< 1					436651003
11/6/2017	0.63	< 1					437150004
11/10/2017				< 1		< 1	QTXC00111-17
11/13/2017	< 1	< 1					437793005
11/30/2017	0.55	< 1					439009002
12/5/2017	< 1	< 1					439319004
12/5/2017	< 1	< 1					439319001
12/11/2017	< 1	< 1					439844005
12/18/2017	< 1	< 1					440275003
12/27/2017	< 1	< 1					440755003
1/2/2018	< 1	< 1					440964004
1/8/2018	< 1	< 1					441177005

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Northeast Plume CERCLA Outfall Monitoring

Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

C001

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
1/16/2018	< 1	< 1					441723003
1/22/2018	0.59	< 1					442150003
1/26/2018				< 1		< 1	QTXC0011-18
1/29/2018	< 1	< 1					442610003
2/5/2018	< 1	< 1					443103004
2/5/2018	< 1	< 1					443103003
2/12/2018			48.1				443651003
2/12/2018	< 1	< 1					443651006
2/26/2018	< 1	< 1					444677002
3/5/2018	< 1	< 1					445176002
3/12/2018	< 1	< 1					445734003
3/22/2018	0.49	< 1					446468005
3/26/2018	< 1	< 1					446833003
4/2/2018	< 1	< 1					447095005
4/2/2018	< 1	< 1					447095004
4/9/2018			55.5				447603003
4/9/2018	< 1	< 1					447603007
4/16/2018	< 1	< 1					448142003
4/20/2018				< 1		< 1	QTXC001-0418

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Northeast Plume CERCLA Outfall Monitoring

Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

C001

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
4/23/2018	0.46	< 1					448638003
4/30/2018	< 1	< 1					449102003
5/7/2018	< 1	< 1					449583002
5/14/2018	0.76	< 1					450117006
5/21/2018	0.74	< 1					450656003
5/29/2018	0.76	< 1					451371004
6/4/2018	0.5	< 1					451691003
6/11/2018	0.77	< 1					452284006
6/18/2018	< 1	< 1					452744003
6/25/2018	< 1	< 1					453275003
7/5/2018	< 1	< 1					454018003
7/9/2018			40.1				454174003
7/9/2018			40				454174004
7/9/2018	< 1	< 1					454174007
7/16/2018	< 1	< 1					454684003
7/23/2018	< 1	< 1					455228003
7/27/2018				< 1		< 1	QTXC001-0718
7/30/2018	< 1	< 1					455783003
8/15/2018	< 1	< 1					457414003

* Project Sample ID is used if Lab Sample ID is not available.

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The date range reflects the first and last sample collection date for this data set through 8/9/2019 for reporting of July and August toxicity results.

Northeast Plume CERCLA Outfall Monitoring

Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

C001

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia	TUc	Pimephales Promelas TUc	
8/20/2018	< 1	< 1					457750003
8/27/2018	< 1	< 1					458237003
9/4/2018	< 1	< 1					458722006
9/10/2018	< 1	< 1					459154003
9/17/2018	< 1	< 1					459343003
9/24/2018	< 1	< 1					460040003
10/1/2018	< 1	< 1					460642001
10/1/2018	< 1	< 1					460642002
10/8/2018			57.8				461227003
10/8/2018	< 1	< 1					461227001
10/8/2018			45.8				461227002
10/15/2018	< 1	< 1					461905001
10/19/2018				< 1		< 1	QTXC001-1018
10/22/2018	< 1	< 1					462350001
10/29/2018	< 1	< 1					462903001
11/5/2018	< 1	< 1					463536001
11/12/2018	< 1	< 1					464149001
11/19/2018	< 1	< 1					465010001
11/26/2018	< 1	< 1					465410001

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Northeast Plume CERCLA Outfall Monitoring

Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

C001

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia TUc		Pimephales Promelas TUc	
12/3/2018	< 1	< 1					466003001
12/10/2018	< 1	< 1					466599001
12/17/2018	< 1	< 1					467137001
12/26/2018	< 1	< 1					467685001
12/31/2018	< 1	< 1					467894001
1/7/2019	< 1	< 1					468186001
1/14/2019			57.8				468903001
1/14/2019	< 1	< 1					468903002
1/18/2019				< 1		< 1	QTXC001-0119
1/22/2019	< 1	< 1					469618001
1/28/2019	< 1	< 1					469976001
2/4/2019	< 1	< 1					470490001
2/4/2019	< 1	< 1					470490002
2/11/2019	< 1	< 1					471081001
2/18/2019	< 1	< 1					471564001
2/25/2019	< 1	< 1					472156001
3/4/2019	< 1	< 1					472747001
3/11/2019	< 1	< 1					473295001
3/18/2019	< 1	< 1					473891001

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The date range reflects the first and last sample collection date for this data set through 8/9/2019 for reporting of July and August toxicity results.

Northeast Plume CERCLA Outfall Monitoring

Water Quality Records for

Sample Date Range: 9/3/2013 - 8/9/2019

C001

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Chronic Toxicity Analysis Results			Lab Sample ID*
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Ceriodaphnia dubia	TUc	Pimephales Promelas TUc	
3/25/2019	< 1	< 1					474505001
4/1/2019	< 1	< 1					475090001
4/8/2019			52.5				475771001
4/8/2019	< 1	< 1					475771002
4/12/2019				< 1		< 1	QTXC001-0419
4/15/2019	< 1	< 1					476567001
4/22/2019	< 1	< 1					477234001
4/29/2019	< 1	< 1					477787001
5/6/2019	< 1	< 1					478397001
5/13/2019	< 1	< 1					479072001
5/20/2019	< 1	< 1					479744001
5/28/2019	< 1	< 1					480358001
6/3/2019	< 1	< 1					480765001
6/12/2019	< 1	< 1					481736001
6/17/2019	< 1	< 1					482200001
6/24/2019	< 1	< 1					482803001
7/19/2019				1.04		< 1	QTXC001-0719
8/9/2019				< 1		< 1	QTXC001-0819

* Project Sample ID is used if Lab Sample ID is not available.

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 8/9/2019 for reporting of July and August toxicity results.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW124

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results: TCE µg/L	Organic Laboratory Analysis Results: 1,1-DCE µg/L	Radiological Laboratory Analysis Results: Tc-99 pCi/L	Lab Sample ID
2/21/1990	160	< 5		15481001
2/21/1990	160	< 5		15479002
2/22/1990	44		1	900223-025
3/1/1990	170			900301-296
4/30/1990	98	< 5		15883002
4/30/1990	130	< 5		15883003
4/30/1990			< 12	6682
4/30/1990			< 14	6683
4/30/1990	123		0	900503-082
6/29/1990			2	900629-165
8/20/1990	340	< 5		16644001
8/20/1990			< 4	7333
3/25/1991			< 2	21327
3/25/1991			< 3	21328
3/25/1991	720	< 5		9103L086-9
10/18/1991	480		8	911018-068
5/20/1993	730	< 100	2	930524-073
5/20/1993	670		119	930524-074
5/21/1993		< 25	84.1	930524-082
5/21/1993	760	< 50	9	930524-081

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW124

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
6/1/1993	850		17	930604-037
6/5/1995	260	< 100		950606-026
11/7/1995	590	< 50	6	951108-132
3/26/1996	710	< 10	0	960326-036
6/5/1996	760	< 50	11	960606-017
9/3/1996	860	< 50	21	960904-010
12/12/1996	20	< 50	6	961212-169
3/5/1997	960	< 100	0	970306-083
5/13/1997	1100	< 100	8	970515-049
6/5/1997	1100	< 100	7	970605-147
9/9/1997	790	< 100	-8	970909-072
12/8/1997	370	< 100	< -1	C973430023
3/2/1998	240	< 130	< -0.4	C980620038
6/15/1998	220	< 100	< 13.2	C981660106
9/17/1998	200	< 100	< 0.8	C982610006
12/10/1998	120	< 100	< 11.1	C983450000
2/2/1999	82	< 50	< 11.8	C990340069
5/10/1999	95	< 50	< 14.4	C991310032
5/10/1999	96	< 50	< 16.7	C991310033
8/3/1999	100	< 100	< 0	C992170039

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW124

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
11/16/1999	140	< 50	< -15.6	C993210012
2/15/2000	73	< 5	< 3.48	C000470004
5/8/2000	320	< 50	< 0.33	C001300044
8/17/2000	720	< 5	< 19.9	C002300082
11/15/2000	360	< 50	< 11.8	C003200062
2/12/2001	2	< 5	< -9.44	C010430092
5/14/2001	92	< 5	< -0.705	C011350007
8/15/2001	59	< 25	< -1.65	C012280037
11/14/2001	110	< 10	< 3.87	C013180045
3/27/2002	56	< 50	< 11.2	C020860180
5/2/2002	55	< 5	< -8.93	C021220089
5/2/2002	53	< 5	< -3.85	C021220090
8/29/2002	44	< 5	< 3.08	C022420102
11/11/2002	170	< 10	< -7.81	C023160005
2/18/2003	160	< 10	< 15.8	C030500032
5/7/2003	40	< 5	< 0.175	C031270172
8/27/2003	22	< 5	< 7.7	C032390098
11/17/2003	110	< 25	< 7.3	C033210103
2/11/2004	23	< 5	< 12.4	C040420077
5/12/2004	23	< 10	< -7.25	C041330034

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW124

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/12/2004	21	< 5	< 3.11	C042250117
11/18/2004	16	< 5	< 3.49	C043240003
2/10/2005	18	< 5	< 3.35	C050410062
5/11/2005	18	< 5	< 1.29	C051310089
8/10/2005	14	< 5	< 6	C052220134
11/14/2005	220	< 25	< 5.48	C053180044
5/17/2006	52	< 5	< 7.52	C061370046
11/6/2006	21	< 5	< 8.1	C063100054
5/9/2007	14	< 5	< -4.96	C071300009
11/13/2007	350	14	17.9	C073180004
5/28/2008	65	2	< 5.74	C081490029
11/11/2008	140	3.2	< -3.8	C08316042006
5/5/2009	80	2.7	< 4.29	C09125023007
11/2/2009	40	< 5	< -4.1	C09306041001
5/11/2010	19	< 1	< 14.1	C10131023006
2/22/2011	49	< 5	23	C11053015006
8/4/2011	13	< 5	< -3.33	C11216014003
2/2/2012	12	< 5	< 0.804	C12033015003
8/7/2012	5.4	< 5	< 6.07	C12220024004
2/4/2013	19	< 1	< -4.83	C13035045001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW124

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/21/2013	2.4	< 1	< 1.7	C13233026005
2/24/2014	9.2	< 1	< -2.69	C14055028001
8/26/2014	6.18	< 1	< -6.23	355748001
2/4/2015	69.9	0.88	< 1.44	366647001
8/24/2015	7.12	< 1	< -4.04	379998002
2/8/2016	5.94	< 1	< -8.87	391039001
8/4/2016	3.1	< 1	< 7.97	403256001
2/15/2017	30.5	0.51	< -0.649	416791001
7/10/2017	5.65	< 1	< 1.27	427964002
8/1/2017	5.88	< 1	< -4.11	429710002
10/6/2017	16.6	< 1	< 0.124	434637002
1/9/2018	61.7	1.17	< 8.01	441537002
2/14/2018	20.4	< 1	< -12.6	443984002
4/9/2018	26.6	< 1	< -5.57	447628001
7/3/2018	13.8	0.36	< -2.31	453993002
8/27/2018	25.5	0.6	< 0.296	458313002
10/3/2018	44.3	0.9	< -11.6	461070001
1/2/2019	40	0.7	< -1.35	468013001
4/9/2019	34.4	1.33	< 1.25	476088002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW126

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
2/23/1990	140	< 5		15488001
2/23/1990			< 10	2267
2/23/1990	130		6	900226-054
3/1/1990	180			900301-297
4/27/1990	52	< 5		15867008
4/27/1990			< 6	4166
8/15/1990			< 3	7334
8/15/1990	180	< 5		16614004
3/11/1991			< 4	21332
3/11/1991			< 4	21333
3/11/1991	200	< 10		29076001
10/18/1991	180		2	911018-069
5/19/1993	160	< 25	2	930524-065
5/19/1993		< 20	57.5	930524-068
5/19/1993	140			930524-066
5/19/1993	140	< 5		930521-077
5/19/1993	600	< 20		930521-075
5/19/1993	600	< 50	9	930524-067
5/20/1993	170	< 25	14	930524-075
5/20/1993	150			930524-076

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW126

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
5/21/1993	180	< 25	10	930524-083
5/21/1993		< 10	40	930524-084
6/1/1993	200		2	930604-041
9/20/1993	200		38	930922-055
12/7/1993	230		9	931208-069
3/21/1994	270		0	940322-018
6/8/1994	220		15	940609-019
9/8/1994	230		3	940908-103
12/5/1994	310		2	941206-027
3/20/1995	270	< 50	1	950322-076
6/5/1995	130	< 100	12	950606-031
9/20/1995	240	< 50	11	950921-179
11/7/1995	260	< 50	5	951108-136
3/13/1996	270	< 50	2	960314-051
6/5/1996	250	< 50	0	960606-018
9/3/1996	230	< 50	17	960904-009
12/16/1996	170	< 50	5	961217-012
3/4/1997	380	< 50	0	970305-028
6/5/1997	190	< 50	13	970605-148
9/9/1997	53	< 50	1	970909-073

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW126

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
12/8/1997	22	< 5	< 1	C973430024
3/2/1998	13	< 5	< 2.3	C980620039
6/15/1998	27	< 5	< 6.7	C981660107
9/17/1998	14	< 5	< 1.4	C982610007
12/10/1998	10	< 50	< 10.1	C983450001
2/2/1999	4	< 5	< 8.27	C990340070
5/10/1999	9	< 5	< 8.11	C991310034
8/3/1999	6	< 5	< 0	C992170036
11/16/1999	70	< 25	< -13.8	C993210013
2/15/2000	110	< 5	< 8.42	C000470005
5/8/2000	60	< 25	< -8.91	C001300045
8/17/2000	12	< 5	< 9.56	C002300081
11/14/2000	6	< 5	< 4.12	C003190124
2/12/2001	2	< 5	< -7.37	C010430093
5/14/2001	3	< 5	< -1.35	C011350004
8/15/2001	4	< 5	< 5.31	C012280038
11/14/2001	12	< 5	< -1.8	C013180044
2/5/2002	3	< 5	< 15.1	C020370099
5/2/2002	7	< 5	< -8.34	C021220093
8/29/2002	3	< 5	< 7.47	C022420103

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW126

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
11/12/2002	7	< 5	< 5.26	C023170002
2/18/2003	2	< 5	< 7.34	C030500033
5/7/2003	3	< 5	< 10.8	C031270173
8/27/2003	1	< 5	< 0.875	C032390099
11/17/2003	< 1	< 5	< 5.52	C033210104
2/11/2004	2	< 5	< 8.66	C040420078
5/12/2004	3	< 5	< -5.99	C041330033
8/12/2004	2.2	< 5	< -10.4	C042250116
11/18/2004	< 1	< 5	< 0.261	C043240004
2/10/2005	2.4	< 5	< 5.05	C050410063
5/11/2005	2.5	< 5	< -4.42	C051310090
8/10/2005	< 1	< 5	< 1.88	C052220135
11/14/2005	1.1	< 5	< 5.18	C053180045
5/17/2006	3.4	< 5	< 6.15	C061370047
11/6/2006	< 1	< 5	< 13.2	C063100055
5/9/2007	1.3	< 5	< -5.35	C071300010
11/13/2007	56	< 1	< 2.51	C073180005
5/28/2008	1.8	< 1	< 6.06	C081490030
11/11/2008	14	< 1	< 1.18	C08316042008
5/5/2009	2.6	< 1	< 10.2	C09125023009

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW126

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
11/2/2009	18	< 5	< -5.34	C09306041002
5/11/2010	4	< 1	< 13.5	C10131023007
2/22/2011	5.5	< 5	< 11.5	C11053015007
8/4/2011	< 1	< 5	< -2.16	C11216014004
8/4/2011	< 1	< 5	< -1.94	C11216014005
2/2/2012	< 1	< 5	< 2.31	C12033015004
8/7/2012	< 1	< 5	< 6.34	C12220024008
8/7/2012	< 1	< 5	< 14.2	C12220024007
2/7/2013	1.5	< 1	< 0.787	C13038014001
8/21/2013	< 1	< 1	< -2.88	C13233026003
8/21/2013	< 1	< 1	< -4.75	C13233026004
2/24/2014	2.1	< 1	< -5	C14055028002
8/26/2014	0.69	< 1	< -2.86	355748002
8/26/2014	0.71	< 1	< 4.67	355748003
2/9/2015	30.4	< 1	< 5.34	366889001
8/24/2015	0.63	< 1	< -5.75	379998003
2/8/2016	0.51	< 1	< -8.34	391039002
8/4/2016	1.66	< 1	< 7.6	403256002
2/15/2017	1.42	< 1	< -1.5	416791002
7/10/2017	0.38	< 1	< -2.35	427964003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW126

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
8/1/2017	1.07	< 1	< 1.2	429710003
10/6/2017	27.5	0.35	< 1.38	434637003
1/9/2018	134	4.94	< 10.2	441537003
2/14/2018	104	3.1	< -2.67	443984003
4/9/2018	101	3.26	< -1.07	447628002
7/3/2018	54.7	1.83	< 3.73	453993003
8/27/2018	55.7	2.16	< -6.78	458313003
10/3/2018	96.7	3.91	< -9.14	461070002
1/2/2019	67.4	2.32	< 2.34	468013002
4/9/2019	70	2.73	< 5.01	476088003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW144

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
4/24/1990	36	< 5		535-006
4/24/1990			< 8	6278
4/24/1990	38		0	900503-084
6/29/1990			5	900629-167
9/11/1990			< 8.7	7352
9/11/1990	95	< 5		9009L725-1
3/5/1991	260	< 5		29038008
3/5/1991			6.8	21370
3/5/1991			45	21371
5/19/1993		< 10	63.4	930524-064
5/19/1993	180	< 10		930521-079
5/19/1993	190	< 25	13	930524-063
5/20/1993	230	< 25	7	930524-071
5/20/1993	190		168	930524-072
5/21/1993	230	< 25	17	930524-079
5/21/1993	190		70.3	930524-080
6/7/1993			8	930608-153
6/17/1993	280			930617-145
7/27/1993	280		0	930729-168
8/26/1993	260	< 50	12	930830-026

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW144

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
9/22/1993	230		30	930923-068
10/19/1993	270		17	931020-069
12/8/1993	220		11	931209-097
1/24/1994	240		16	940125-041
2/23/1994	220		15	940223-130
3/3/1994	380		15	940304-026
4/7/1994	270		1	940408-065
5/4/1994	310		0	940505-027
6/2/1994	320		4	940602-089
7/1/1994	244	2.4		1110101-0235
7/1/1994	260		53	940701-058
8/30/1994	240		17	940830-069
9/20/1994	270		22	940921-085
10/10/1994	250		17	941011-100
11/2/1994	270		1	941103-095
12/1/1994	270		4	941201-125
7/11/2017	115	0.5	46.9	427964004
10/6/2017	104	< 2	52.7	434637004
1/4/2018	128	1.92	39.1	441199001
4/5/2018	104	1.26	53.9	447608002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW144

Sample Date Range:
2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
7/3/2018	101	1.54	58.2	453993004
7/3/2018	101	< 2	58.4	453993005
10/3/2018	129	2.2	63	461070003
1/2/2019	94.4	1.42	60.9	468013003
4/9/2019	106	1.78	62.6	476088004

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.
The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW145

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
4/24/1990	62	< 5		15849001
4/24/1990			11	6280
4/24/1990	59		0	900503-087
7/2/1990			4	900702-051
8/21/1990	210	< 5		9008L481-2
8/21/1990			< 6	7353
3/7/1991	300	< 5		29054004
3/7/1991			5.6	21373
3/7/1991			4.6	21374
6/7/1993	360			3077603
6/7/1993			1	930608-157
6/17/1993	480			930617-146
7/27/1993	480		0	930729-159
8/26/1993	460	< 50	1	930830-022
9/22/1993	460		24	930923-072
10/19/1993	510		10	931020-073
12/8/1993	480		12	931209-093
1/24/1994	490		0	940125-154
2/23/1994	450		12	940223-134
3/3/1994	470		15	940304-030

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW145

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
4/7/1994	380		5	940408-061
5/4/1994	410		0	940505-031
6/2/1994	490		0	940602-093
7/1/1994	450	1.6		1110101-0234
7/1/1994	460		1	940701-054
8/30/1994	450		17	940830-073
9/20/1994	510		13	940921-081
10/10/1994	490		10	941011-104
11/2/1994	530		5	941103-099
12/1/1994	530		12	941201-129
12/13/1995	440	< 50	1	951214-097
3/26/1996	400	< 10	2	960326-040
6/5/1996	370	< 50	2	960606-016
9/4/1996	470	< 50	21	960905-034
12/16/1996	340	< 50	15	961217-016
3/4/1997	470	< 25	7	970305-023
6/4/1997	480	< 50	6	970605-008
9/5/1997	440	< 50	10	970905-104
12/8/1997	< 310	< 50	< 5	C973430025
3/3/1998	250	< 50	< 6	C980630112

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW145

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
6/16/1998	200	< 50	22.1	C981670101
9/17/1998	160	< 50	< 5.4	C982610008
12/10/1998	170	< 50	< 18.3	C983450002
2/2/1999	120	< 50	< 16.33	C990340071
5/12/1999	100	< 50	< -12.4	C991320088
8/4/1999	97	< 50	< 0	C992170040
11/17/1999	100	< 50	< -7.11	C993210085
2/14/2000	100	< 5	< 9.53	C000460031
5/9/2000	94	< 10	< 3.41	C001300130
8/16/2000	120	< 25	< 17.5	C002290083
11/13/2000	100	< 10	< 5.77	C003190005
2/8/2001	92	< 5	< 3.82	C010390158
5/14/2001	78	< 10	< -1.41	C011350008
8/15/2001	74	< 10	< 12.2	C012280049
11/14/2001	77	< 10	< 9.43	C013180041
2/27/2002	80	< 10	< 4.87	C020590012
5/2/2002	98	< 5	< 10.6	C021220088
8/30/2002	93	< 5	< 12.9	C022420157
11/13/2002	91	< 5	< 13.7	C023170076
11/13/2002	91	< 5	< 13.6	C023170077

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW145

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
2/18/2003	75	< 5	18.6	C030500038
5/7/2003	70	< 5	< 9.57	C031270176
8/27/2003	61	< 5	< 12	C032390095
11/12/2003	57	< 5	29.4	C033170057
11/12/2003	54	< 5	16	C033170058
2/10/2004	52	< 10	23.1	C040410058
5/11/2004	56	< 5	< 13.7	C041330012
8/12/2004	55	< 5	< 11.2	C042250114
11/23/2004	48	< 5	< 10.6	C043280024
11/23/2004	51	< 5	< 15.2	C043280023
2/9/2005	56	< 5	< 12.6	C050400038
5/10/2005	51	< 5	22.6	C051300061
8/10/2005	50	< 5	< 11.6	C052220136
11/14/2005	58	< 5	< 13	C053180046
11/14/2005	57	< 5	23.3	C053180047
5/16/2006	75	< 5	33.5	C061370014
11/6/2006	68	< 5	19.6	C063100047
5/10/2007	63	< 5	< 8.63	C071300075
11/13/2007	68	1.2	30.4	C073180003
5/22/2008	70	< 2	47.3	C081440004

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW145

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
5/22/2008	71	< 2	44.2	C081440005
11/11/2008	66	< 1	32.5	C08316042009
5/5/2009	50	< 1	42.4	C09125023003
5/5/2009	62	1	36.6	C09125023004
11/4/2009	59	< 1	25.2	C09308040001
5/10/2010	45	< 1	40.7	C10130027003
5/10/2010	50	< 1	56	C10130027004
2/24/2011	58	< 5	36	C11055019002
8/3/2011	53	< 5	30.1	C11215009001
2/1/2012	51	< 5	32.5	C12032020002
8/7/2012	34	< 5	36.3	C12220024003
2/5/2013	42	< 1	34.5	C13036014003
8/20/2013	34	< 1	35.5	C13233002003
2/13/2014	50	< 1	32.5	C14044026002
8/26/2014	48	0.47	42.4	355748004
2/3/2015	47.8	0.41	52.5	366647002
8/24/2015	44.4	0.39	34.9	379998004
2/8/2016	35.3	< 1	26.6	391039003
8/17/2016	35.6	< 1	34.9	404230002
2/15/2017	30.1	< 1	29.6	416791003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW145

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
7/11/2017	35	0.37	25	427964005
8/1/2017	26.8	< 1	29.1	429710004
10/6/2017	28.9	< 1	18.8	434637001
1/4/2018	32.7	< 1	27.2	441199002
1/4/2018	34.1	< 1	33.6	441199003
2/14/2018	48.1	0.45	29.2	443984004
4/5/2018	48.4	0.42	28.5	447608003
7/10/2018	40.1	< 1	31.7	454274001
8/27/2018	42.7	0.44	32.4	458313004
10/3/2018	51.7	0.68	48.7	461070004
1/2/2019	27.4	< 1	23.8	468013005
1/2/2019	28.1	< 1	23.2	468013004
4/9/2019	57	0.76	35.6	476088005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW155

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
12/6/1990	220	< 14		17377003
3/13/1991	1800		120	910314-108
3/13/1991			190	21405
3/13/1991			200	21404
3/13/1991	2000	< 5		9103L937-9
5/6/1991			110	21406
5/6/1991	1900	< 5		9105L550-6
7/19/1991	2400			910719-033
7/28/1993	2300		181	930729-164
8/31/1993	1800		11	930831-065
9/14/1993	1900		220	930914-093
10/27/1993	2200		191	931028-017
11/8/1993	1900		207	931109-028
12/29/1993	1800		189	931230-109
1/27/1994	2100		193	940128-062
2/3/1994	1800		181	940204-028
3/22/1994	2100		158	940322-178
4/27/1994	2200		248	940428-051
5/26/1994	1900		221	940526-204
6/8/1994	1900		234	940608-196

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW155

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/3/1994	2000			940804-002
8/9/1994	1600			940810-002
8/15/1994	1500			940816-071
8/19/1994	1500			940819-068
8/25/1994	1600			940825-069
8/25/1994	1600			940825-165
9/27/1994	2500		260	940928-011
10/17/1994	1900		246	941019-016
11/28/1994	390		240	941129-043
12/6/1994	1800		226	941206-090
5/8/1995	1300		276	950509-067
5/8/1996	1800	< 500	347	960509-007
5/12/1997	700	< 100	682	970512-116
5/12/1997			557	5376-97TC
5/12/1997	710	< 100		970512-101
12/9/1997			616	9712071-11AC
12/9/1997	524	24		011009WA100
12/9/1997	410	< 13		9712064-05RE-AC
5/11/1998	740	< 125	669.3	C981310067
8/9/1999	7500	< 1000	339	C992220060

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW155

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results: TCE µg/L	Organic Laboratory Analysis Results: 1,1-DCE µg/L	Radiological Laboratory Analysis Results: Tc-99 pCi/L	Lab Sample ID
3/21/2000	1500	< 250	468	C000820016
3/21/2000	1600	< 250	420	C000820017
3/19/2001	1100	< 50	422	C010780111
8/21/2001	2100	< 100	396	C012340001
3/25/2002	1700	< 250	251	C020840051
9/11/2002	2400	< 250		C022540082
6/12/2003	6800	< 500	186	C031630079
12/9/2003	16000	< 250	123	C033430057
6/4/2004	6200	< 250	138	C041590030
12/2/2004	9600	< 500	157	C043380001
6/16/2005	6900	< 500	179	C051670012
2/8/2006	20000	< 2500	157	C060390060
9/6/2006	12000	< 1200	179	C062500002
3/14/2007	23000	< 500	131	C070730158
9/5/2007	15000	< 250	150	C072490063
3/10/2008	21000	< 250	144	C080710002
8/28/2008	15000	< 200	141	C082410123
5/13/2009	20000	< 200	142	C09133031001
9/10/2009	14000	< 200	130	C09253025001
9/10/2009	14000	< 1000		C09254002003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW155

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
9/15/2009	14000	< 500		C09258030001
9/22/2009	13000	< 500		C09265022002
1/19/2011	3100	< 25		C11019028004
1/25/2011	6000	< 250		C11026001005
1/25/2011	3800	< 250		C11026001006
1/31/2011	3500	< 250		C11031038005
6/23/2011	3700	< 100	124	C11174017005
12/14/2011	2400	< 500	117	C11348018003
3/13/2012	2400	< 50	137	C12073014001
6/19/2012	1900	< 250	110	C12171014003
9/19/2012	2300	< 20	136	C12263022001
12/28/2012	2200	< 20	125	C12363012001
12/28/2012	2200	< 20	120	C12363012002
3/27/2013	1900	< 20	129	C13086008001
9/16/2013	2000	< 100	131	C13259034001
12/17/2013	1600	< 20	98.6	C13351094006
12/17/2013	1600	< 20	99.1	C13351094007
3/26/2014	1900	< 20	106	C14085027001
6/12/2014	1590	< 25	107	350627004
9/15/2014	1850	0.44	153	356931002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW155

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
12/2/2014	817	< 1	160	362435001
12/2/2014	810	< 1	161	362435002
3/31/2015	583	< 10	142	369938002
6/16/2015	2500	< 50	110	375398002
9/14/2015	4560	< 100	76.5	381234002
12/8/2015	4080	< 50	123	387183003
12/8/2015	4110	< 50	120	387183002
3/23/2016	3760	< 50	109	393849001
6/6/2016	5370	< 100	149	398881002
9/21/2016	5800	< 100	96.7	406611002
12/13/2016	6520	< 100	88	412748003
12/13/2016	6320	< 100	97.5	412748002
3/7/2017	8160	< 100	87.9	418299002
6/8/2017	6840	< 100	102	425123001
7/11/2017	7650	< 100	90.1	427964006
9/12/2017	9830	< 200	92.2	432724002
10/11/2017	4130	< 50	113	435057003
10/11/2017	4470	< 100	114	435057002
12/18/2017	5720	< 100	107	440362003
12/18/2017	5260	< 100	87.5	440362002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW155

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
1/10/2018	10300	< 200	82.1	441541002
3/21/2018	6370	< 100	92.3	446475002
4/9/2018	5450	< 100	100	447628003
5/15/2018	6950	< 100	96.3	450363001
7/9/2018	3550	< 200	83.2	454258002
9/24/2018	2250	< 50	114	460260001
10/4/2018	4080	< 50	105	461079003
10/4/2018	3970	< 50	103	461079002
12/18/2018	3530	< 50	86.1	467410002
12/18/2018	3550	< 50	89.2	467410001
1/7/2019	6800	< 100	67.5	468221001
3/20/2019	7230	< 100	68.7	474242002
4/8/2019	7160	< 100	56.8	475898002
6/18/2019	5240	< 100	53.7	482490001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW156

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
3/15/1991			190	21407
3/15/1991			85	21408
3/15/1991	360000	< 10000		29115005DL
3/15/1991	300000		135	910315-053
5/8/1991			130	21409
5/8/1991	360000	15		9105L569-2
7/19/1991	550000			910719-034
6/15/1993	460000		110	930616-136
7/28/1993	400000	< 50000	123	930729-154
8/30/1993	380000		122	930831-072
9/14/1993	400000		136	930914-097
10/27/1993	380000		110	931028-021
11/8/1993	370000		139	931109-032
12/29/1993	340000		94	931230-104
1/14/1994	380000			940119-005
1/14/1994	340000			940119-004
1/14/1994	340000			940119-006
1/14/1994	380000			940119-007
1/14/1994	360000			940119-008
1/14/1994	320000			940119-003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW156

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
1/27/1994	380000		98	940128-066
2/3/1994	340000		100	940204-032
3/22/1994	410000		73	940322-170
4/27/1994	360000		99	940428-055
5/26/1994	350000		109	940526-208
6/8/1994	370000		96	940608-188
7/1/1994	370000		96	940701-050
8/3/1994			104	940804-100
8/3/1994			107	940804-105
8/3/1994	390000			940804-104
8/3/1994			106	940804-103
8/3/1994	400000			940804-101
8/3/1994	370000		120	940804-003
8/3/1994			109	940804-102
8/4/1994	400000		109	940804-099
8/9/1994	11000		117	940810-055
8/9/1994			72	940810-054
8/9/1994	15000			940810-057
8/9/1994	5500		211	940810-053
8/9/1994			39	940810-056

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW156

Sample Date Range:
2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/9/1994	1300		55	940810-001
8/10/1994			30	940811-118
8/10/1994	24000			940811-121
8/10/1994	30000		33	940811-119
8/10/1994	35000			940811-117
8/10/1994	19000		33	940811-116
8/10/1994			26	940811-115
8/10/1994			52	940811-113
8/10/1994			32	940811-120
8/11/1994			35	940812-141
8/11/1994	38000		40	940812-142
8/11/1994			47	940812-143
8/11/1994	44000			940812-144
8/11/1994			49	940812-145
8/12/1994			54	940816-058
8/12/1994			53	940816-055
8/12/1994			67	940816-054
8/12/1994	59000			940816-057
8/12/1994	52000		65	940816-056
8/13/1994	85000		80	940816-059

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.
The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW156

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/13/1994	80000		72	940816-060
8/13/1994			89	940816-061
8/13/1994			84	940816-062
8/14/1994	110000		97	940816-063
8/14/1994			86	940816-065
8/14/1994			93	940816-064
8/14/1994	100000		104	940816-066
8/15/1994	130000		92	940816-067
8/15/1994			115	940816-068
8/15/1994	120000		101	940816-069
8/15/1994			95	940816-070
8/16/1994	150000		105	940817-067
8/16/1994	150000		94	940816-072
8/16/1994			88	940817-068
8/17/1994			100	940818-061
8/17/1994			103	940818-058
8/17/1994	210000		93	940818-059
8/17/1994	170000		113	940818-060
8/17/1994			93	940817-040
8/18/1994			112	940819-071

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW156

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/18/1994	210000		106	940819-070
8/18/1994	200000		90	940819-072
8/18/1994			107	940819-073
8/19/1994	210000		107	940819-069
8/19/1994	210000		100	940823-149
8/19/1994			112	940823-150
8/19/1994			94	940823-135
8/20/1994	200000		95	940823-139
8/20/1994			108	940823-136
8/20/1994			115	940823-137
8/20/1994	190000		117	940823-148
8/21/1994			100	940823-142
8/21/1994	230000		102	940823-138
8/21/1994	200000		98	940823-140
8/21/1994			111	940823-141
8/22/1994			92	940823-144
8/22/1994			98	940823-147
8/22/1994	210000		105	940823-145
8/22/1994	220000		107	940823-143
8/23/1994			96	940824-153

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW156

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/23/1994	240000		111	940824-154
8/23/1994			104	940824-155
8/23/1994	220000		97	940823-146
8/24/1994	230000		95	940824-152
8/24/1994			105	940825-065
8/24/1994	220000		113	940825-067
8/24/1994			109	940825-068
8/25/1994	210000		121	940825-070
8/25/1994	220000		105	940825-166
9/27/1994	320000		67	940928-015
10/17/1994	290000		40	941019-012
11/28/1994	310000		24	941129-047
12/6/1994	310000		2	941206-094
5/8/1995	280000		5	950509-075
5/8/1996	350000	< 50000	0	960509-008
12/9/1997	141649	< 1000		011010WA070
12/9/1997	250000	< 13000		9712064-04DL-AC
12/9/1997			-5.2	9712071-10AD
5/11/1998	260000	< 25000	< -7.2	C981310064
8/9/1999	220000	< 25000	< 6.23	C992220059

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW156

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results: TCE µg/L	Organic Laboratory Analysis Results: 1,1-DCE µg/L	Radiological Laboratory Analysis Results: Tc-99 pCi/L	Lab Sample ID
3/21/2000	240000	< 25000	< -3.81	C000820018
3/19/2001	180000	< 12000	< 8.88	C010780112
8/21/2001	170000	< 20000	< 3.71	C012340002
3/25/2002	160000	< 25000	< -5.2	C020840071
9/19/2002	150000	< 10000	< 13.4	C022620163
6/12/2003	190000	< 10000	20.6	C031630080
12/9/2003	91000	< 10000	< 6.13	C033430058
6/4/2004	42000	< 5000	< 0.822	C041590029
12/2/2004	31000	< 5000	24	C043380002
6/16/2005	26000	< 2000	< 4.55	C051670013
2/8/2006	9000	< 2000	< 7.32	C060390061
9/6/2006	3300	< 5000	< -3.72	C062500003
3/14/2007	4600	< 5000	< -1.6	C070730159
9/5/2007	21000	< 1000	< -0.987	C072490064
3/10/2008	47000	< 2000	< 1.25	C080710003
8/28/2008	5200	< 1000	< 3.38	C082410124
5/13/2009	32000	< 1000	< 9.32	C09133031002
9/8/2009	34000	< 5000		C09252006001
9/8/2009	34000	< 2000	< 0.0531	C09252004001
9/15/2009	36000	< 5000		C09258030002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW156

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
9/22/2009	39000	< 5000		C09265022001
1/20/2011	52000	< 1000		C11020026003
1/25/2011	52000	< 2500		C11026003001
1/31/2011	58000	< 2500		C11031038006
6/27/2011	83000	< 5000	< -8.94	C11178014001
12/14/2011	65000	< 5000	< -5.13	C11348018004
3/13/2012	62000	< 2000	< 6.21	C12073014002
6/19/2012	64000	< 5000	< 9.77	C12171014004
9/19/2012	23000	< 500	< 5.12	C12263022002
12/28/2012	1700	< 500	< -0.798	C12363012003
3/27/2013	32000	< 1000	< 3.7	C13086008002
9/16/2013	31000	< 2500	< -2.19	C13259034002
12/17/2013	600	< 500	< 2.71	C13351094008
3/26/2014	37000	< 500	< -4.56	C14085027002
6/12/2014	81800	< 1000	< -3.61	350627005
8/13/2014	50000	< 20	< 0.723	160-7947-6
9/3/2014	57000	< 40	< 1.81	160-8215-12
9/15/2014	56500	15.2	< 1.62	356931003
12/2/2014	925	< 500	< 9.1	362435003
3/31/2015	3390	< 500	< -3.32	369938003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW156

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
6/16/2015	8270	< 500	< 1.43	375398004
6/16/2015	9720	< 500	< 3.72	375398003
9/14/2015	1190	< 50	< -9.6	381234003
12/8/2015	14100	< 500	< -0.175	387183001
3/23/2016	13100	170	< -8.5	393849002
6/6/2016	14600	< 500	< 1.33	398881001
6/6/2016	15300	< 500	< 2.38	398881003
9/21/2016	12500	< 500	< -2.91	406611003
12/13/2016	2140	< 100	< -7.97	412748001
3/7/2017	15000	< 500	< 3.88	418299003
6/8/2017	11800	< 500	< -5.94	425123002
6/8/2017	10300	< 500	< 5.59	425123003
7/11/2017	13800	< 500	< -8.3	427964007
7/11/2017	13700	< 500	< -2.35	427964008
9/12/2017	13100	< 500	< 2.86	432724003
10/11/2017	16700	116	< -6.64	435057004
12/18/2017	8910	71.2	< 6.73	440362001
1/10/2018	13100	< 250	< -4.91	441541001
3/21/2018	10200	< 250	< 9.83	446475003
4/9/2018	8010	< 250	< -3.04	447628005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW156

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
4/9/2018	6580	< 250	< -4.14	447628004
5/15/2018	7020	< 250	< -5.19	450363003
5/15/2018	7090	< 250	< 14.2	450363002
7/9/2018	5020	< 250	< -5.22	454258003
9/24/2018	2210	< 100	< 1.84	460260002
10/4/2018	3200	< 50	< 0.537	461079001
12/18/2018	1940	< 50	< -1.65	467410003
1/7/2019	3350	19	< -3.11	468221002
3/20/2019	2570	17.5	< 6.56	474242003
4/8/2019	1950	< 50	< -5.27	475898003
4/8/2019	2090	< 50	< -7.21	475898004
6/18/2019	1460	< 50	< 2.42	482490002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW163

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
12/11/1990	< 1	< 6		17412004
12/11/1990	< 1	< 6		17412002
12/11/1990	< 1	< 6		17412003
3/20/1991			19	21439
3/20/1991			20	21440
3/20/1991	95	< 5		29186005
3/20/1991	860		27	910325-004
5/9/1991			4.5	21441
5/9/1991	92	3		9105L583-9
10/30/1991	86		37	911031-025
6/15/1993	116		27	930616-128
8/16/1993	140		57	930816-105
11/4/1993	110		38	931104-251
2/16/1994	180		44	940216-127
5/4/1994	150		23	940505-173
8/11/1994	130		60	940811-146
10/11/1994	120		47	941012-001
5/2/1995	280		50	950503-090
5/13/1996	210	< 50	34	960514-004
5/11/1998	81	8	20.7	C981310070

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW163

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/5/1999	120	< 50	18.5	C992170152
3/20/2000	100	< 25	< 16.2	C000810001
3/21/2001	120	11	23.4	C010800076
8/22/2001	96	< 50	< 13.3	C012350003
3/25/2002	< 1	< 5	26.4	C020850015
9/10/2002	97	9		C022530137
6/9/2003	73	7	26	C031600085
12/4/2003	69	10	22.8	C033380086
6/2/2004	60	5	29.1	C041550048
12/2/2004	110	6.2	20.9	C043380000
6/13/2005	73	< 5	< 13.6	C051650009
2/8/2006	170	6.4	23	C060390063
9/12/2006	130	< 10	< 8.23	C062550160
3/20/2007	67	< 10	< 5.2	C070790075
9/6/2007	150	5	< 13.9	C072490154
3/11/2008	85	2.7	26.3	C080710142
9/11/2008	75	2.2	24.8	C082550121
4/9/2009	78	2.2	< 6.64	C09099015003
9/2/2009	80	3.3	24.2	C09245027004
3/5/2010	65	2.7	< 13.9	C10064035006

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW163

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
9/2/2010	100	2.9	17.8	C10245022006
5/10/2011	78	< 5	< 6.14	C11130022006
5/10/2013	93	3.3	18.8	C13130033001
6/2/2015	35.1	1.03	< 3.38	374344001
5/23/2017	57	1.96	< 6.97	424148002
8/14/2018	124	1.32	22.5	457540001
8/14/2018	103	1.76	18.5	457540002
10/4/2018	146	3.02	30.5	461079004
1/7/2019	119	2.84	15.1	468221003
4/8/2019	43.1	0.91	20.2	475898005
5/8/2019	37.6	0.6	22.6	478809002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW255

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
5/15/1995	1100	< 500	7	950523-188
8/17/1995	1500		10	950818-001
9/14/1995	1300	< 250	9	950915-013
12/12/1995	1400	< 100	4	951213-089
3/19/1996	1300	< 500	17	960320-058
6/17/1996	1200	< 500	11	960618-010
9/5/1996	1200	< 500	17	960906-049
12/13/1996	1100	< 500	25	961217-013
3/4/1997	1200	< 100	0	970305-024
5/13/1997	1300	< 125	8	970515-046
6/4/1997	1300	< 100	0	970605-006
9/5/1997	1200	< 130	7	970905-105
12/9/1997	1000	< 100	< 2	C973440067
3/2/1998	970	< 125	< -0.4	C980620035
6/17/1998	1000	< 100	< 10	C981680060
9/21/1998	860	< 125	< 8.9	C982640120
12/9/1998	890	< 250	< 4.1	C983440002
2/2/1999	900	< 100	< 7	C990340072
5/11/1999	850	< 250	< 8.88	C991310084
8/4/1999	830	< 100	< 0	C992170041

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW255

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
11/17/1999	750	< 100	< 1.87	C993210086
2/14/2000	1400	< 100	< 13.1	C000460035
5/9/2000	810	< 100	< -4.84	C001300128
8/16/2000	710	< 50	< 4.64	C002290081
8/16/2000	650	< 50	< 14.1	C002290082
11/13/2000	740	< 50	< 10.8	C003190007
11/13/2000	830	< 50	< 1.34	C003190006
2/12/2001	710	< 50	< -4.58	C010430091
5/15/2001	730	< 50	< 13.6	C011350052
8/15/2001	730	< 100	< 2.55	C012280050
11/12/2001	710	< 50	< 2.07	C013170007
2/5/2002	740	< 100	17	C020370095
5/2/2002	680	< 100	< -2.74	C021220087
8/30/2002	650	< 50	< 14.8	C022420158
11/13/2002	590	< 50	< -2.66	C023170075
2/18/2003	520	< 50	19.2	C030500039
5/8/2003	510	< 50	< 1.63	C031280134
5/8/2003	520	< 50	< -11.4	C031280135
8/28/2003	500	< 50	< 13	C032400189
11/12/2003	460	< 50	< 12	C033170061

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW255

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
2/11/2004	440	< 50	< 12.9	C040420068
5/11/2004	480	< 50	< 7.07	C041330010
5/11/2004	490	< 50	< -4.01	C041330009
8/12/2004	540	< 50	< -4.62	C042250115
11/17/2004	420	< 50	< -11.4	C043230015
2/9/2005	470	< 25	< 2.64	C050400039
5/10/2005	460	< 25	< 1.68	C051300062
5/10/2005	470	< 25	< 15.3	C051300063
8/10/2005	450	< 25	< 8.82	C052220128
11/14/2005	430	< 25	< -1.59	C053180048
5/17/2006	500	< 50	< 9.76	C061370055
5/17/2006	480	< 50	< 13.6	C061370056
8/22/2006			< 2.74	C062340050
11/6/2006	420	< 25	< 10.2	C063100048
2/22/2007			< -12.1	C070530117
5/10/2007	430	< 25	< -0.437	C071300078
8/29/2007			< 0.146	C072410073
11/13/2007	420	< 5	< 0.106	C073180001
2/13/2008			< -4.98	C080440016
5/29/2008	310	< 5	< 8.45	C081500062

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW255

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/19/2008			< 3.9	C082330004
11/12/2008	380	< 5	< 0.855	C08317011002
2/17/2009			< 10.5	C09048025004
5/5/2009	370	< 25	< 4.13	C09125024003
8/4/2009			< -8.45	C09216023005
11/9/2009	350	< 5	< -9.38	C09313029001
2/2/2010			20.3	C10033014003
5/11/2010	330	< 5	19.2	C10131023008
8/2/2010			< 7.72	C10214022003
12/9/2010			< -3.37	C10343021004
2/23/2011	330	< 25	< -10.3	C11054029005
5/5/2011			< -3.91	C11126003001
8/9/2011	330	< 25	< 6.08	C11221021006
11/2/2011			< 3.69	C11307019002
2/1/2012	320	< 25	< -2.11	C12032008003
5/2/2012			< 5.97	C12123025002
8/6/2012	230	< 25	< 3.42	C12219037002
11/5/2012			< -1.24	C12310038002
2/4/2013	260	< 2	< 2.73	C13035045002
6/18/2013			< -1.02	C13169022001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW255

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
8/20/2013	230	< 2	< 0.176	C13233002004
11/19/2013			< -0.455	C13323017001
2/13/2014	280	< 2	< -1.59	C14044005003
5/13/2014			< 0.961	348903001
8/26/2014	320	1.29	< -0.985	355748005
11/12/2014			< 1.41	361215001
2/5/2015	286	< 5	< 8.54	366647003
5/12/2015			< -16.9	373064001
5/12/2015			< 12.7	373064002
8/24/2015	224	< 5	< 5.01	379998005
11/24/2015			< -5.5	386382001
2/9/2016	229	< 5	< -8.7	391039004
5/17/2016			< 12.4	397601001
5/17/2016			< 9.04	397601002
8/17/2016	240	2.15	< 7.27	404230003
11/17/2016			< -1.29	410957001
2/15/2017	190	2	< -2.25	416791004
5/17/2017			< 14.2	423616002
5/17/2017			< 4.82	423616001
8/2/2017	166	1.18	< 0.281	429710005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW255

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
11/14/2017			< 3.86	437928002
11/14/2017			< 5.65	437928001
2/26/2018	184	< 5	< 5.56	444774001
5/8/2018			< -2.55	449823001
8/14/2018	177	1.84	< -1.92	457540003
8/28/2018	173	1.69	< -5.48	458313001
10/4/2018	206	2.4	< -4.57	461079005
1/7/2019	162	2.58	< -1.67	468221004
4/8/2019	195	2.02	< 1.2	475898006

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW256

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
5/15/1995	340	< 50	16	950523-196
9/15/1995	360	< 50	19	950914-031
12/12/1995	350	< 50	19	951213-081
3/19/1996	340	< 50	18	960320-054
6/17/1996	240	< 50	15	960618-009
9/5/1996	250	< 50	46	960906-050
12/16/1996	220	< 50	24	961217-015
3/4/1997	240	< 50	8	970305-025
6/4/1997	300	< 50	9	970605-005
9/24/1997	320	< 50	19	970924-094
12/9/1997	280	< 50	< 17	C973440068
3/2/1998	350	< 50	< 15.2	C980620034
6/17/1998	320	< 50	19.7	C981680061
9/24/1998	290	< 50	34.8	C982680007
12/9/1998	340	65	57.9	C983440003
2/2/1999	360	79	82.01	C990340073
5/11/1999	360	70	82.7	C991310083
8/4/1999	310	< 100	85	C992170037
11/17/1999	300	68	59.9	C993210087
2/14/2000	380	81	96.2	C000460036

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW256

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
5/9/2000	350	77	74.8	C001300129
8/16/2000	340	78	79.1	C002290085
11/13/2000	390	< 25	76.5	C003190008
2/12/2001	230	50	98.9	C010430089
5/15/2001	370	80	101	C011350051
8/15/2001	430	< 50	118	C012280051
11/12/2001	440	90	114	C013170006
2/5/2002	460	110	120	C020370097
2/5/2002	450	100	117	C020370098
5/2/2002	430	100	115	C021220086
8/30/2002	480	99	127	C022420159
11/13/2002	480	100	108	C023170074
2/18/2003	420	84	129	C030500040
5/8/2003	400	82	133	C031280136
8/28/2003	380	83	126	C032400188
11/12/2003	410	93	109	C033170060
2/11/2004	440	92	139	C040420067
5/11/2004	500	110	143	C041330011
8/12/2004	450	100	115	C042250118
11/17/2004	360	69	105	C043230014

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW256

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
2/9/2005	480	93	134	C050400040
5/10/2005	460	97	151	C051300064
8/10/2005	470	86	131	C052220129
11/14/2005	530	95	127	C053180049
5/16/2006	740	130	169	C061370015
8/22/2006			110	C062340049
11/6/2006	640	120	139	C063100049
11/6/2006	680	120	139	C063100050
2/21/2007			115	C070530119
5/10/2007	540	110	118	C071300077
8/29/2007			116	C072410074
11/13/2007	540	110	138	C073180002
2/13/2008			133	C080440015
5/29/2008	460	< 94	135	C081500061
8/19/2008			128	C082330003
11/12/2008	410	92	123	C08317011001
2/17/2009			132	C09048025003
5/5/2009	460	130	111	C09125024002
8/4/2009			110	C09216023004
11/5/2009	140	37	80.2	C09309021001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW256

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
2/2/2010			105	C10033014002
5/10/2010	310	82	107	C10130027005
8/2/2010			77.7	C10214022002
12/9/2010			81.1	C10343021003
2/23/2011	340	100	94	C11054029003
2/23/2011	340	100	92.3	C11054029004
5/5/2011			83.3	C11126003002
8/9/2011	290	97	90.6	C11221021005
11/2/2011			76.7	C11307019003
2/1/2012	250	82	65.6	C12032008005
2/1/2012	220	75	69.4	C12032008004
5/2/2012			64.5	C12123025004
5/2/2012			60.9	C12123025003
8/6/2012	190	99	66	C12219037001
11/5/2012			75.2	C12310038003
2/4/2013	240	84	77.4	C13035045003
2/4/2013	240	83	80.3	C13035045004
6/18/2013			69.7	C13169022002
8/20/2013	230	110	70.1	C13233002005
11/18/2013			50.3	C13322025006

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW256

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
2/13/2014	170	62	37	C14044005004
2/13/2014	170	64	45.1	C14044005005
5/13/2014			60.3	348903002
8/26/2014	168	57	40.7	355748006
11/12/2014			50.2	361215002
2/5/2015	193	70.4	48.7	366647005
2/5/2015	194	70.8	48.8	366647004
5/12/2015			32.8	373064003
8/24/2015	207	78.3	70.7	379998006
11/24/2015			89.8	386382002
2/9/2016	321	65.4	96.5	391039005
2/9/2016	329	67.2	93.6	391039006
5/17/2016			102	397601003
8/17/2016	330	67.4	102	404230004
11/17/2016			90	410957002
2/15/2017	298	56.9	81.7	416791005
2/15/2017	306	55.7	95.5	416791006
5/17/2017			99.6	423616003
8/2/2017	294	60.6	99.2	429710006
11/14/2017			97.7	437928003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW256

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
2/26/2018	207	46.5	62	444774003
2/26/2018	215	46	65	444774002
5/8/2018			56.5	449823002
5/8/2018			47.9	449823003
8/14/2018	145	21.9	30	457540004
8/28/2018	126	14.9	38.9	458313005
10/4/2018	137	18.5	26.2	461079006
1/7/2019	150	22.3	26.3	468221005
4/8/2019	109	14.8	21.5	475898007

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW258

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
5/15/1995	2000	< 500	8	950523-192
6/7/1995	2200	< 250	6	950608-247
8/17/1995	2200		19	950818-002
9/15/1995	2200	< 250	10	950914-019
12/12/1995	2300	< 250	4	951213-069
3/13/1996	2100	< 250	6	960314-007
6/19/1996	1900	< 500	3	960620-135
9/18/1996			10	960919-005
12/16/1996	2000	< 500	5	961217-014
3/4/1997	2200	< 500	0	970305-022
6/4/1997	2200	< 250	3	970605-007
9/9/1997	2100	< 250	-2	970909-066
12/9/1997	1700	< 250	< -3	C973440069
3/2/1998	1600	< 250	< 4.8	C980620033
6/17/1998	1600	< 250	< 11.7	C981680062
9/21/1998	1500	< 250	< 5.4	C982640119
12/9/1998	1300	< 500	< 2.8	C983440004
2/2/1999	1300	< 500	< 13.21	C990340074
5/12/1999	1200	< 500	< -11.6	C991320089
8/4/1999	1300	< 500	< 0	C992170038

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW258

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
11/18/1999	1100	< 250	< 8.95	C993230017
11/18/1999	1100	< 250	< -2.03	C993230018
2/14/2000	1000	< 250	17.3	C000460037
5/9/2000	1100	< 100	< -7.48	C001300131
8/16/2000	980	< 100	< 10.2	C002290084
11/14/2000	880	< 250	< 9.48	C003190125
2/12/2001	960	< 50	< -0.928	C010430090
5/14/2001	760	< 100	< 12.2	C011350005
8/15/2001	940	< 100	< 3.91	C012280052
11/14/2001	800	< 50	< 7.79	C013180040
2/5/2002	1000	< 100	19.9	C020370096
5/2/2002	890	< 100	< 0.642	C021220085
8/30/2002	820	< 50	18.7	C022420156
11/13/2002	740	< 100	< 14.4	C023170073
2/18/2003	640	< 50	< 11.9	C030500041
5/8/2003	610	< 50	< 7.87	C031280137
8/27/2003	590	< 50	< 3.7	C032390093
8/27/2003	580	< 50	< 4.89	C032390094
11/12/2003	510	< 50	< 13.8	C033170059
2/10/2004	510	< 50	< 8.03	C040410059

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW258

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results: TCE µg/L	Organic Laboratory Analysis Results: 1,1-DCE µg/L	Radiological Laboratory Analysis Results: Tc-99 pCi/L	Lab Sample ID
5/11/2004	530	< 50	< 4.07	C041330013
8/17/2004	540	< 50	< 8.52	C042300097
8/17/2004	550	< 50	< 4.93	C042300096
11/23/2004	420	< 50	< 1.32	C043280022
2/8/2005	450	< 25	< 4.95	C050390027
5/12/2005	440	< 25	< 8.17	C051320129
8/10/2005	390	< 25	< 4.75	C052220130
11/14/2005	370	< 25	< 6.61	C053180050
2/6/2006			< 11.9	C060380059
5/16/2006	400	< 25	18.1	C061370013
8/21/2006			< 11.9	C062330122
8/21/2006			< 13.8	C062330123
11/6/2006	350	< 25	20.6	C063100051
2/21/2007			< -4.62	C070530118
5/10/2007	290	< 25	< 5.19	C071300076
8/29/2007			< 0.73	C072410072
11/12/2007	290	11	< 7.29	C073170019
2/13/2008			< -0.254	C080440017
5/22/2008	290	11	18.7	C081440006
8/19/2008			< 13.8	C082330002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW258

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
11/11/2008	260	8.2	< 6.54	C08316042007
2/17/2009			< 12	C09048025002
5/5/2009	270	< 10	< 11.8	C09125024001
8/4/2009			< -1.44	C09216023003
11/4/2009	120	3.9	< -2.28	C09308040002
2/2/2010			< 12	C10033014001
5/10/2010	260	7.9	< 13.6	C10130027006
8/2/2010			< 11	C10214022001
12/9/2010			< 13.8	C10343021002
2/24/2011	260	< 10	< 6.74	C11055019001
5/5/2011			< 5.17	C11125014002
8/9/2011	270	< 10	< 9.45	C11221021004
11/2/2011			< 2.39	C11307019004
2/1/2012	220	< 10	< -0.166	C12032020001
5/2/2012			< 5.36	C12123025005
8/6/2012	190	< 10	< 12.2	C12219037003
11/5/2012			< -2.04	C12310038004
2/4/2013	190	4.5	< 2.36	C13035045005
6/18/2013			< 4.03	C13169022003
8/20/2013	190	3.7	< 0.704	C13233002006

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW258

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
11/18/2013			< 6.31	C13322025005
2/13/2014	240	4	< 4.08	C14044026001
5/13/2014			< 4.94	348903003
8/26/2014	241	2.85	< 5.78	355748007
11/12/2014			< 1.87	361215003
2/3/2015	233	2.9	< 3.2	366647006
5/12/2015			< 14.4	373064004
8/24/2015	209	3	< -1.63	379998007
11/24/2015			< 4.09	386382003
2/8/2016	197	3.44	< 3.3	391039007
5/17/2016			< 4.04	397601004
8/17/2016	170	0.8	< 11.4	404230001
11/17/2016			< 8.94	410957003
2/15/2017	141	3.8	< 1.19	416791007
5/17/2017			< 11.1	423616004
7/11/2017	134	0.72	< 1.92	427964009
8/2/2017	136	4.2	< 5.13	429710007
10/6/2017	126	3.42	< 0.689	434637005
1/9/2018	165	4.36	< 0.517	441537001
2/14/2018	178	2.28	< -3.38	443984001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW258

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
4/5/2018	199	2.24	< -3.87	447608001
7/10/2018	199	3.63	< 2.63	454274002
8/27/2018	216	3.56	< 1.98	458313007
8/27/2018	191	3.12	< 0.749	458313006
10/3/2018	264	4.48	< -7.22	461070005
1/2/2019	211	2.32	< 2.29	468013006
4/9/2019	324	3.72	< 9.67	476088001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW260

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
5/16/1995	760	< 500	23	950523-200
9/14/1995	730	< 100	17	950915-005
12/12/1995	840	< 100	28	951213-085
3/13/1996	740	< 50	11	960314-003
6/18/1996	560	< 100	2	960619-029
9/12/1996	820	< 50	28	960912-090
12/13/1996	680	< 50	18	961219-012
3/10/1997	630	< 50	13	970312-036
6/9/1997	690	< 50	35	970609-053
9/2/1997	680	< 50	36	970902-148
12/29/1997	940	< 50	32	C973640027
3/4/1998	870	< 50	38	C980640021
6/24/1998	800	< 50	36.7	C981750113
12/2/1998	820	< 100	43.3	C983360184
3/2/1999	700	< 100	45.12	C990610178
6/2/1999	690	< 200	24.7	C991540045
9/13/1999			41.5	C992560162
12/6/1999	540	< 50	38.7	C993400093
3/7/2000	560	< 50	< 10.6	C000680015
6/20/2000	610	< 50	< 16.8	C001720152

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW260

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
6/20/2000	600	< 50	< 11.8	C001720151
9/8/2000	570	< 50	28.8	C002520105
12/12/2000	620	< 25	39.1	C003470043
3/12/2001	610	18	34.7	C010710106
6/4/2001	500	< 50	47.4	C011560013
9/24/2001	560	< 50	25.7	C012670052
12/12/2001	530	< 50	40.5	C013460073
3/5/2002	530	< 50	35.4	C020650007
6/5/2002	440	< 50	27.1	C021560163
9/5/2002	520	< 50	38.2	C022480078
12/2/2002	560	< 50	37.9	C023370009
6/3/2003	620	< 50	54.1	C031550065
12/4/2003	620	< 25	22.3	C033380095
6/4/2004	680	< 50	36.1	C041590028
12/13/2004	630	< 50	52.2	C043480118
12/13/2004	640	< 50	56.1	C043480119
6/9/2005	460	< 50	56.1	C051600079
11/17/2005	680	< 50	79.1	C053210098
5/24/2006	590	< 50	86.3	C061450011
3/20/2007	420	< 50	89.9	C070790077

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW260

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
9/13/2007	520	5.9	133	C072570004
3/19/2008	540	< 5	143	C080800007
3/19/2008	520	5.2	137	C080800008
9/11/2008	470	< 10	106	C082550120
4/9/2009	67	< 1	154	C09099015001
4/9/2009	85	< 1	171	C09099015002
9/2/2009	380	9.2	115	C09245027006
3/5/2010	380	< 10	105	C10064035004
3/5/2010	390	< 10	109	C10064035003
9/7/2010	420	8.3	109	C10250033005
5/11/2011	410	< 25	70.7	C11131034004
5/10/2013	320	5.6	69.6	C13130033002
6/1/2015	403	3.11	29.1	374452003
5/23/2017	258	3	61.1	424148001
8/14/2018	123	1.09	51.7	457540005
10/4/2018	126	1.2	47.8	461079007
1/3/2019	68.8	< 2	26	468013007
4/8/2019	80.4	< 2	27.8	475898008
5/8/2019	80.5	0.6	26.5	478809008

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW283

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
6/11/1996			4	960612-041
8/22/1996	680	< 50	12	960826-020
12/16/1996	700	< 50	4	961217-005
12/16/1996	790	< 50	0	961217-006
3/4/1997	1300	< 50	1	970305-029
6/9/1997	650	< 100	5	970610-077
9/9/1997	400	< 100	-1	970909-074
12/8/1997	270	< 100	< 6	C973430026
3/2/1998	280	< 125	< 8.6	C980620041
3/2/1998	290	< 125	< 8.1	C980620040
6/16/1998	220	< 100	< 13	C981670102
9/17/1998	260	< 100	< 12.3	C982610009
12/10/1998	220	< 100	21.2	C983450003
2/3/1999	220	< 50	25.43	C990340152
5/11/1999	250	< 250	< 11	C991310085
8/4/1999	190	< 100	< 3.64	C992170043
8/4/1999	190	< 100	< 16.2	C992170052
11/17/1999	220	< 100	< 3.01	C993210088
2/14/2000	210	< 25	< 5.09	C000460038
5/9/2000	190	< 50	< -2.26	C001310008

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW283

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/16/2000	180	< 50	< 15.1	C002290078
11/15/2000	180	< 10	< 9.17	C003200065
2/12/2001	180	< 10	< -2.24	C010430095
5/14/2001	160	< 25	< 7.18	C011350015
5/14/2001	150	< 25	< 5.38	C011350016
8/16/2001	160	< 25	< 1.86	C012280069
11/12/2001	170	< 25	< 11.2	C013170005
3/27/2002	170	< 25	< 6.22	C020860181
5/2/2002	180	< 25	< -3.27	C021220080
8/29/2002	200	< 25	< 14.9	C022420096
8/29/2002	200	< 25	< 12.3	C022420097
11/13/2002	170	< 25	< 5.6	C023170027
2/24/2003	150	< 25	< 11.6	C030550072
5/8/2003	140	< 10	< 3.32	C031280142
8/27/2003	120	< 10	< 2.1	C032390100
11/13/2003	140	< 25	18.3	C033180000
2/11/2004	120	< 25	< 12.7	C040420076
5/11/2004	100	< 10	< -5.63	C041330014
8/12/2004	130	< 10	< -2.9	C042250112
11/17/2004	130	< 10	< -5.37	C043230023

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW283

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
2/28/2005	100	< 5	< 5.87	C050590086
5/11/2005	110	< 5	< -0.28	C051310086
8/11/2005	110	< 5	< 6.78	C052230253
11/14/2005	110	< 10	< 4.76	C053180038
5/17/2006	120	< 10	< 10.9	C061370048
11/6/2006	110	< 5	< 9.24	C063100057
5/10/2007	88	< 5	< 2.13	C071300074
11/12/2007	99	< 1	< -2.5	C073170013
11/12/2007	90	< 1	< 3.88	C073170014
5/27/2008	74	< 1	< 11.2	C081480099
11/11/2008	88	< 1	< 6.43	C08316042003
11/11/2008	87	< 1	< 0.536	C08316042004
5/4/2009	81	< 1	< 11.7	C09125009002
11/3/2009	70	1.2	< -6.83	C09308004004
11/3/2009	84	1.1	< 0.976	C09308004005
5/11/2010	77	< 1	23.9	C10131023002
2/22/2011	86	< 5	28.6	C11053015002
8/8/2011	61	< 5	< 6.53	C11220029001
2/1/2012	65	< 5	19	C12032020004
8/8/2012	52	< 5	18.2	C12221010001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW283

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results: TCE µg/L	Organic Laboratory Analysis Results: 1,1-DCE µg/L	Radiological Laboratory Analysis Results: Tc-99 pCi/L	Lab Sample ID
2/5/2013	57	< 1	< 12.1	C13036014004
8/12/2013	22	< 5	< 2.18	C13224033002
2/24/2014	62	< 1	< -4.42	C14055028004
8/26/2014	56.8	0.35	< 13.4	355748008
2/4/2015	67.6	0.6	< 14.3	366647007
8/24/2015	52	0.33	< 8.19	379998008
2/8/2016	50.7	< 1	< 8.77	391039008
8/4/2016	47.8	< 1	< 6.1	403256003
2/15/2017	51.2	0.46	< 7.25	416791008
7/10/2017	41.3	< 1	< 2.93	427964010
8/1/2017	45.3	0.41	< 0.842	429710008
10/6/2017	55.9	0.48	18.5	434637006
1/9/2018	29.8	< 1	< 6.53	441537004
2/14/2018	11.8	< 1	< -4.79	443984005
4/5/2018	28.6	< 1	< 11.9	447608004
7/10/2018	13.9	< 1	< 4.58	454274003
8/27/2018	22.6	< 1	< 1.77	458313008
10/3/2018	30.3	0.41	< -7.88	461070007
1/2/2019	8.26	< 1	< 3.9	468013008
4/9/2019	38.6	0.34	< 6.01	476088006

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW288

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
6/4/1996			4	960612-034
8/22/1996	1800	< 500	11	960826-019
12/16/1996	1800	< 500	0	961217-017
3/5/1997	1600	< 250	7	970306-082
6/10/1997	1400	< 125	8	970610-118
9/10/1997	1400	< 130	9	970910-101
12/9/1997	1300	< 250	< -6	C973440070
3/3/1998	1300	< 125	< 7	C980630113
6/16/1998	1200	< 100	19.2	C981670104
9/16/1998	880	< 250	< 5	C982600071
12/14/1998	640	< 250	< 5.4	C983490003
2/2/1999	760	< 250	24.82	C990340075
5/12/1999	810	< 250	< -6.97	C991320090
8/4/1999	410	< 100	< 5.48	C992170047
11/17/1999	860	< 100	< 10.5	C993210090
2/15/2000	740	< 100	< 9.83	C000470006
5/9/2000	1100	< 100	< 5.45	C001310011
5/9/2000	1000	< 250	< 1.1	C001310012
8/17/2000	410	< 100	< 4.21	C002300084
11/15/2000	120	< 25	26.3	C003200063

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW288

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
2/8/2001		< 10	< 16	C010390159
5/14/2001	620	< 50	< 13.2	C011350010
8/15/2001	280	< 50	22.1	C012280040
11/13/2001	470	< 50	< 11.7	C013170053
3/27/2002	560	< 100	< 10.2	C020860179
5/2/2002	650	< 50	< 5.19	C021220091
8/29/2002	280	< 50		C022420104
8/29/2002			26.3	C030210107
11/11/2002	370	< 25	25.3	C023160007
2/18/2003	420	< 25	26	C030500034
2/18/2003	420	< 25	31.5	C030500035
5/7/2003	470	< 25	19.2	C031270174
8/27/2003	290	< 25	< 15.2	C032390097
11/13/2003	240	< 25	49.5	C033180002
2/11/2004	330	< 50	32.9	C040420073
2/11/2004	330	< 50	31.3	C040420074
5/12/2004	330	< 25	29.2	C041330035
8/16/2004	290	< 25	30.2	C042290045
11/18/2004	210	< 50	21.5	C043240001
2/8/2005	300	17	43.2	C050390063

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW288

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
2/8/2005	310	15	33	C050390064
5/11/2005	280	< 25	29.8	C051310091
8/10/2005	220	< 25	37	C052220138
11/14/2005	190	< 25	36.5	C053180039
2/6/2006			39	C060380060
5/17/2006	240	21	44.5	C061370057
8/21/2006			55.1	C062330124
11/6/2006	230	< 25	49.4	C063100053
2/22/2007			26.1	C070530115
5/9/2007	220	22	32.1	C071300006
5/9/2007	210	20	25.5	C071300007
8/29/2007			33	C072410069
11/12/2007	240	22	23.5	C073170017
2/20/2008			34.9	C080510148
5/27/2008	200	20	38.6	C081480101
8/19/2008			40.9	C082330001
11/11/2008	230	21	37.3	C08316042005
2/17/2009			44.2	C09048025001
5/5/2009	220	22	45.8	C09125023006
8/4/2009			31.4	C09216023001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW288

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
9/17/2009	250	22	42.4	C09260022002
10/27/2009	190	19	40.7	C09300023004
10/27/2009	190	20	49.4	C09300023003
11/3/2009	180	22	26.2	C09308004006
2/2/2010			52.5	C10033014004
5/11/2010	180	19	43.5	C10131023004
8/5/2010			42	C10217037001
12/7/2010			38	C10341027001
12/7/2010			31.2	C10341027002
2/22/2011	190	16	37.3	C11053015004
5/4/2011			24.5	C11124021001
8/9/2011	280	35	41.2	C11221021002
11/3/2011			45.8	C11307020003
11/3/2011			41.7	C11307020002
2/2/2012	210	17	48	C12033015001
5/3/2012			32.5	C12124008001
8/7/2012	130	12	35.3	C12220024006
11/5/2012			28.7	C12310038005
11/5/2012			21.5	C12310038006
2/4/2013	140	15	37.5	C13035045006

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW288

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
6/19/2013			34.9	C13170009001
8/21/2013	170	31	37.6	C13233026002
11/18/2013			31.6	C13322025004
11/18/2013			35.2	C13322025003
2/24/2014	200	25	32.6	C14055028003
5/13/2014			38.6	348903004
8/26/2014	191	16.6	37.4	355748009
11/12/2014			22.4	361215004
11/12/2014			35.2	361215005
2/4/2015	199	17.6	46.3	366647008
5/12/2015			< 6.6	373064005
8/24/2015	183	20.1	32.4	379998001
11/24/2015			< 8.62	386382004
11/24/2015			< 14.7	386382005
2/8/2016	163	< 2	38.4	391039009
5/17/2016			47.4	397601005
8/4/2016	155	9.24	50.8	403256004
11/17/2016			31.4	410957004
11/17/2016			35.9	410957005
2/15/2017	141	10.8	36.8	416791009

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW288

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
5/17/2017			41.3	423616005
7/10/2017	139	7.13	30.6	427964011
8/1/2017	130	8.42	37.6	429710001
10/6/2017	154	6.82	44.3	434637007
1/9/2018	177	7.08	42.6	441537005
2/14/2018	151	6.6	39.9	443984006
4/5/2018	162	7.92	27.1	447608005
7/3/2018	152	11	29.4	453993006
8/27/2018	125	11.7	38.7	458313009
10/3/2018	186	16.6	46.7	461070006
1/2/2019	123	9.64	38.7	468013009
4/9/2019	174	20.1	29	476088007

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW291

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
6/13/1996			0	960618-057
6/13/1996			2	960618-064
6/13/1996			0	960618-063
6/13/1996			11	960618-062
6/13/1996	600		8	960618-061
6/13/1996			8	960618-060
6/13/1996			2	960618-058
6/13/1996			5	960618-059
8/22/1996	1200	< 500	16	960826-018
12/12/1996	1200	< 500	0	961212-167
3/4/1997	1300	< 250	3	970305-032
3/4/1997	1400	< 250	0	970305-031
6/5/1997	1100	< 125	0	970605-146
6/5/1997	1100	< 125	0	970605-145
9/9/1997	650	< 130	-2	970909-067
12/8/1997	500	< 250	< -5	C973430028
3/3/1998	350	< 125	< -10	C980630114
6/15/1998	440	< 100	< 3.9	C981660108
9/17/1998	320	< 100	< 5.8	C982610010
9/17/1998	380	< 100	< 7.5	C982610011

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW291

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
12/10/1998	420	< 250	< -0.4	C983450005
2/3/1999	280	< 120	< 4.96	C990340154
5/12/1999	260	< 100	< -6.97	C991320091
8/3/1999	270	< 200	< 0	C992170048
11/18/1999	240	< 200	< 8.78	C993230019
2/15/2000	240	< 25	< 10.4	C000460084
5/8/2000	240	< 100	< -9.85	C001300046
8/17/2000	200	< 10	< -12.9	C002300086
11/14/2000	200	< 25	< 5.72	C003200033
2/8/2001	170	< 10	< -3.71	C010390157
5/15/2001	140	< 25	< 8.69	C011350053
8/15/2001	150	< 25	< 12.7	C012280042
8/15/2001	170	< 25	< 2.42	C012280043
11/14/2001	170	< 25	< 0.0545	C013180042
2/5/2002	180	< 25	< 4.27	C020370100
5/2/2002	180	< 25	< 0.35	C021220084
8/29/2002	170	< 25	< 9.13	C022420101
11/11/2002	160	< 25	< 7.81	C023160006
2/24/2003	150	< 25	< 12.4	C030550073
5/8/2003	120	< 10	< -7.23	C031280143

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW291

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/27/2003	100	< 10	< 4.14	C032390102
11/13/2003	120	< 10	25.7	C033180003
2/11/2004	120	< 10	< 14.8	C040420063
5/12/2004	120	< 10	< 0.419	C041330031
8/16/2004	100	< 10	< 3.95	C042290041
11/17/2004	98	< 5	< -11.4	C043230022
2/8/2005	110	< 5	< 0.844	C050390066
5/11/2005	100	< 5	< 7.77	C051310087
8/10/2005	84	< 10	< 12.8	C052220139
11/14/2005	95	< 5	< 3.36	C053180036
5/17/2006	97	< 5	18	C061370058
11/6/2006	83	< 5	< 10.9	C063100056
5/10/2007	72	< 5	< -6.49	C071300073
11/12/2007	75	< 1	< -2.61	C073170016
5/27/2008	76	< 1	< 12.1	C081480100
11/6/2008	66	< 1	< 7.02	C08312002001
5/4/2009	65	< 1	< 11.6	C09125009001
5/11/2010	61	< 1	25.1	C10131023001
2/22/2011	61	< 5	< 11.7	C11053015001
8/9/2011	63	< 5	< 2.27	C11221021001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW291

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
2/1/2012	59	< 5	< 1.75	C12032020003
8/8/2012	38	< 5	< 2.47	C12221010002
2/5/2013	43	< 1	< 10	C13036014005
8/12/2013	49	< 5	< 2.91	C13224033001
2/24/2014	54	< 1	< 0.737	C14055028005
8/26/2014	48	< 1	< 5.41	355748010
2/4/2015	47.1	< 1	< 2.07	366647009
8/24/2015	53.3	< 1	< 1.99	379998009
2/8/2016	43.9	< 1	< -2.27	391039010
8/4/2016	34.6	< 1	< 8.3	403256005
2/15/2017	33.9	< 1	< -4.14	416791010
7/10/2017	32	< 1	< -1.76	427964012
8/1/2017	29.3	< 1	< 3.78	429710009
10/6/2017	32.2	< 1	< 6.4	434637008
1/9/2018	50.9	0.58	13.2	441537006
2/14/2018	59.4	< 1	< 3.85	443984007
4/5/2018	61.2	0.54	< 11.1	447608006
7/3/2018	40.5	< 1	< 0.947	453993007
8/27/2018	35.1	< 1	< 0.641	458313010
10/3/2018	37	< 1	< -6.33	461070008

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW291

Sample Date Range:
2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	
1/2/2019	24.8	< 1	< 5.88	468013010
4/9/2019	53	0.36	< 5.26	476088008

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.
The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW292

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/29/1996	710	< 50	20	960903-003
12/12/1996	910	< 50	0	961212-168
3/5/1997	800	< 100	7	970306-084
6/10/1997	1000	< 100	8	970610-117
9/10/1997	1100	< 100	7	970910-102
12/11/1997	1300	< 100	8	C973460124
12/11/1997	1300	< 100	< 3	C973460125
3/3/1998	1300	< 100	< 2	C980630115
6/15/1998	1400	< 100	18.6	C981660109
9/16/1998	1200	< 100	< 5.5	C982600073
12/9/1998	57	< 5	< 9.9	C983440005
12/9/1998	1200	< 100	< 14	C983440006
2/2/1999	1200	< 250	< 15.94	C990340076
2/2/1999	1100	< 250	< 16.93	C990340077
5/12/1999	1100	< 250	24.2	C991320092
8/3/1999	1100	< 100	< 6.19	C992170049
11/17/1999	1000	< 100	< 1.56	C993220002
2/15/2000	960	< 100	15.9	C000460083
5/9/2000	960	< 100	< -0.935	C001310006
8/17/2000	800	< 50	< 0.93	C002300085

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW292

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
11/13/2000	880	< 50	< 8.75	C003190009
2/8/2001	770	< 50	< 8.02	C010390156
5/14/2001	650	< 100	< 8.97	C011350006
8/15/2001	830	< 100	< 8.86	C012280044
11/12/2001	760	< 100	< 12.2	C013170004
11/12/2001	820	< 100	< 9.21	C013170003
2/5/2002	850	< 100	20.6	C020370101
5/2/2002	740	< 50	< 8.17	C021220092
8/29/2002	780	< 50	28.3	C022420105
11/11/2002	610	< 100	< 12.7	C023160008
2/18/2003	550	< 50	35.3	C030500036
5/7/2003	510	< 50	19.5	C031270175
8/27/2003	430	< 50	22.6	C032390096
11/17/2003	440	< 50	35	C033210102
2/11/2004	430	< 50	29	C040420066
5/12/2004	480	< 50	26.4	C041330036
8/16/2004	440	< 50	27.8	C042290044
11/18/2004	290	< 25	< 13.3	C043240002
2/9/2005	410	< 25	40.6	C050400041
5/12/2005	340	< 25	30.8	C051320128

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW292

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
8/10/2005	350	< 25	37.5	C052220131
11/14/2005	370	27	34.1	C053180040
2/6/2006			51.8	C060380061
5/17/2006	370	33	54.6	C061370049
8/21/2006			42.7	C062330125
11/6/2006	370	34	49.6	C063100052
2/22/2007			24.9	C070530116
5/9/2007	320	35	29.5	C071300008
8/29/2007			31.2	C072410070
8/29/2007			29	C072410071
11/12/2007	350	36	48.1	C073170018
2/20/2008			39.2	C080510149
5/28/2008	250	28	61.1	C081490028
8/19/2008			49.5	C082330000
11/6/2008	320	35	51.9	C08312002003
2/23/2009			46.8	C09054020001
5/5/2009	290	35	55	C09125023008
8/4/2009			45.7	C09216023002
11/3/2009	300	38	33.3	C09308004003
2/2/2010			54.9	C10033014005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW292

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
5/11/2010	260	36	56.5	C10131023005
8/5/2010			50.7	C10217037002
12/7/2010			36.4	C10341027003
2/22/2011	270	39	39.2	C11053015005
5/4/2011			45.1	C11124021002
8/9/2011	280	38	38.4	C11221021003
11/3/2011			46.8	C11307020001
2/2/2012	280	37	78.2	C12033015002
5/3/2012			43.4	C12124008002
8/7/2012	200	37	56	C12220024005
11/5/2012			28	C12310038007
2/4/2013	210	34	43.5	C13035045007
6/12/2013			39.2	C13163026001
8/21/2013	180	32	36.4	C13233026001
11/18/2013			33.4	C13322025002
2/24/2014	270	42	36.1	C14055028006
5/13/2014			41.3	348903005
8/26/2014	240	32.1	29.2	355748011
11/12/2014			42.1	361215006
2/4/2015	215	26.8	36.5	366647010

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW292

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
5/12/2015			42.2	373064006
8/24/2015	208	31.3	29.8	379998010
8/24/2015	216	31.4	45.6	379998011
11/24/2015			29.4	386382006
2/8/2016	198	29.6	33.5	391039011
5/17/2016			43.9	397601006
8/17/2016	202	31.8	44.1	404230005
8/17/2016	180	13.7	32.4	404230006
11/17/2016			39.7	410957006
2/15/2017	161	24.4	26.8	416791011
5/17/2017			45.9	423616006
7/10/2017	145	24	28.7	427964001
8/1/2017	150	24.1	40.5	429710010
8/1/2017	151	23.6	38.6	429710011
10/6/2017	152	18.6	39.3	434637009
1/9/2018	184	30.5	41.8	441537007
2/14/2018	153	21.2	28.7	443984008
4/5/2018	160	21.7	18.5	447608007
7/3/2018	180	26.8	34.8	453993008
8/27/2018	197	28.4	33.9	458313011

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW292

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/3/2018	224	32.3	42.3	461070009
1/2/2019	160	18.2	24.9	468013011
4/9/2019	202	31.4	29.9	476088009

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW293A

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/21/2003	280	< 25	< 0.053	C032330095
11/13/2003	480	< 50	< 10.4	C033180004
2/11/2004	610	< 50	< 3.25	C040420064
5/12/2004	470	< 25	< -1.68	C041330032
8/16/2004	450	< 50	< -3.95	C042290042
11/18/2004	430	< 50	< -9.01	C043240000
2/9/2005	510	< 25	< 4.12	C050400042
5/11/2005	380	< 25	< -1.62	C051310092
8/10/2005	360	< 25	< 2.92	C052220132
11/14/2005	470	< 25	< 6.36	C053180037
5/17/2006	440	< 25	19.5	C061370059
11/6/2006	410	< 25	< -3.51	C063100058
5/9/2007	430	< 25	< -4.48	C071300011
11/12/2007	310	< 5	< -0.798	C073170015
5/28/2008	260	< 5	< 2.23	C081490027
11/6/2008	270	< 5	< 5.64	C08312002002
5/5/2009	230	< 5	< -0.751	C09125023005
11/2/2009	270	< 10	< -4.19	C09306041003
5/11/2010	250	< 2	18.7	C10131023003
2/22/2011	94	< 10	< 14	C11053015003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW293A

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results TCE µg/L	Organic Laboratory Analysis Results 1,1-DCE µg/L	Radiological Laboratory Analysis Results Tc-99 pCi/L	Lab Sample ID
8/3/2011	220	< 10	< 4.7	C11215009002
2/1/2012	230	< 10	< -0.483	C12032020005
8/8/2012	200	< 10	< 4.03	C12221010003
2/5/2013	200	< 2	< 1.39	C13036014006
8/12/2013	180	< 10	< -2.29	C13224033003
2/19/2014	73	< 2	< 0.276	C14050020001
8/26/2014	40.6	< 1	< -3.21	355748012
2/4/2015	31.9	< 1	< 5.67	366647011
8/24/2015	32.1	< 1	< -3.7	379998012
2/8/2016	156	< 1	< -9.06	391039012
8/4/2016	97.7	< 1	< 3.76	403256006
2/15/2017	182	< 1	< -1.27	416791012
7/10/2017	85	< 1	< -6.25	427964013
8/1/2017	82	< 1	< -0.716	429710012
10/6/2017	101	< 2	< -0.519	434637010
1/9/2018	99.3	< 1	< 9.43	441537008
2/14/2018	111	< 2	< -3.26	443984009
4/5/2018	112	< 2	< -9.09	447608008
7/3/2018	147	< 2	< -3.27	453993009
8/27/2018	127	< 2	< 0.606	458313012

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW293A

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/3/2018	152	1.2	< -6.35	461070010
1/2/2019	108	< 2	< 8.96	468013012
4/9/2019	191	< 2	< 3.92	476088010

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW341

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
12/3/1998	1200	< 100	216.3	C983380051
3/4/1999	730	< 100	243.58	C990630086
6/3/1999	660	< 200	245	C991540176
9/15/1999			316	C992580211
12/6/1999	790	< 100	260	C993400090
3/7/2000	1100	< 100	276	C000680021
6/21/2000	64	< 5	281	C001730079
9/11/2000	1200	< 100	286	C002560010
12/12/2000	1000	< 5	358	C003470050
3/21/2001	1400	< 100	305	C010800073
6/4/2001	1100	< 100	282	C011560012
9/25/2001	1200	< 100	327	C012680236
12/13/2001	990	< 100	310	C013470168
3/27/2002	690	< 250	339	C020860184
6/10/2002	730	< 100	297	C021610050
9/5/2002	1700	< 100	271	C022480142
12/3/2002	2200	< 100	328	C023370122
6/9/2003	2400	< 50	271	C031600082
12/5/2003	2700	< 100	327	C033420032
6/7/2004	2400	< 100	354	C041590181

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW341

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
12/8/2004	1800	< 100	322	C043430125
6/15/2005	6200	< 100	265	C051660051
11/30/2005	12000	< 500	271	C053340079
5/23/2006	14000	< 500	264	C061430071
3/19/2007	21000	< 1000	251	C070780103
9/20/2007	14000	< 200	212	C072630187
3/12/2008	11000	< 200	246	C080720035
8/28/2008	15000	< 100	207	C082410122
5/7/2009	14000	< 500	226	C09127062001
9/23/2009	17000	< 1000	251	C09266034004
3/10/2010	15000	< 200	207	C10069026006
9/13/2010	19000	< 200	213	C10256039001
6/2/2011	15000	< 1000	172	C11153017006
6/2/2011	15000	< 1000	172	C11153017005
5/17/2013	5200	< 250	166	C13137015004
5/17/2013	5100	< 250	150	C13137015003
6/1/2015	4460	< 1	138	374452005
5/24/2017	3460	< 50	310	424148013
7/13/2017	4280	< 50	257	427964014
10/11/2017	3790	< 50	345	435057005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW341

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
1/11/2018	3520	< 1	354	441547001
4/5/2018	6010	< 100	309	447608009
7/10/2018	6950	3.1	183	454274004
10/4/2018	7260	< 100	171	461079008
12/18/2018	5220	< 100	122	467410005
1/7/2019	5860	< 100	119	468221006
3/20/2019	5930	< 100	99.1	474242007
3/20/2019	5860	< 100	100	474242008
4/8/2019	5400	< 100	109	475898009
5/13/2019	4650	< 100	74.5	479291003
5/13/2019	5860	< 100	89.9	479291004
6/6/2019	6220	< 100	99.3	481177002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW478

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/22/2009	220	< 5	< -8.59	C09295018001
5/11/2010	490	11	< -7.99	C10131015007
5/10/2011	280	< 25	< 10.5	C11130019004
5/21/2013	240	< 25	< 2.27	C13141010001
5/28/2015	232	2.1	< -1.95	374017004
5/15/2017	163	1.52	< 4.78	423664015
7/11/2017	152	1.6	< -4.46	427964015
10/11/2017	127	1.1	< -1.18	435057001
1/9/2018	182	3.6	< 10.1	441537009
4/5/2018	194	1.96	< -1.12	447608010
7/3/2018	205	2.88	< 0.479	453993010
10/3/2018	270	3.44	< -6.55	461070011
1/2/2019	191	1.8	< 5.88	468013013
4/9/2019	294	3.6	< 4.32	476088011
5/1/2019	284	3.3	< 16.6	478096003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW479

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/22/2009	2.6	< 1	< -14.8	C09295018002
5/5/2010	< 1	< 1	< -4.67	C10125032008
5/11/2011	8.1	< 5	< -8.28	C11131028003
5/28/2013	< 1	< 1	< -2.12	C13148029001
6/9/2015	< 1	< 1	< 1.11	374981008
5/15/2017	< 1	< 1	< 4.18	423664016
7/11/2017	1.34	< 1	< -7.77	427964016
10/11/2017	1.15	< 1	< -5.9	435057006
1/9/2018	1.21	< 1	< 3.76	441537010
4/5/2018	3.41	< 1	< -9.16	447608011
7/3/2018	4.04	0.63	< -1.19	453993001
10/3/2018	0.94	< 1	< -8.4	461070012
1/2/2019	< 1	< 1	< 3.48	468013014
4/9/2019	36.1	4.61	14.7	476088012
5/1/2019	41.5	5.39	18.9	478096004

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW480

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/22/2009	58	5.8	< 0.509	C09295018003
5/5/2010	38	3.6	< 3.38	C10125032009
5/11/2011	70	6	< 10.4	C11131028004
5/28/2013	55	8	21.6	C13148029002
5/28/2015	46.2	6.41	< 3.34	374017005
5/28/2015	42.1	6.13	< 5.85	374017006
5/15/2017	70.9	10.4	32.9	423664017
7/11/2017	61.8	9.16	21.9	427964017
10/11/2017	55.5	8.23	< 15.6	435057007
1/9/2018	115	14.3	46.8	441537011
4/5/2018	118	9.2	38	447608012
7/3/2018	126	11.4	33.8	453993011
10/3/2018	145	12.8	51	461070013
1/2/2019	124	7.68	34.8	468013015
4/9/2019	163	11.3	38.8	476088013
5/1/2019	150	10.6	53	478096005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW495

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
12/29/2009	250	8.6	< 17	C09363017001
5/10/2011	510	< 25	30.8	C11130019005
5/21/2013	110	< 25	< 1.11	C13141010002
5/27/2015	431	8.1	28.1	374017008
5/15/2017	365	5	33.8	423670001
7/11/2017	373	6.2	36.4	427964018
10/11/2017	376	6.35	25.9	435057008
1/9/2018	373	6.7	42	441537012
4/5/2018	372	5	27.7	447608013
7/3/2018	378	5.3	41.9	453993012
10/4/2018	417	5.9	48.3	461079009
1/2/2019	272	< 10	47.2	468013016
4/9/2019	362	5.3	42.1	476088014
5/1/2019	307	3.9	56.8	478096011

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW496

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
12/31/2009	67	1.6	< 3.2	C09365021001
5/10/2011	83	< 5	< 9.02	C11130019006
5/21/2013	500	11	43.1	C13141010003
5/27/2015	114	1.84	< 2.15	374017009
5/17/2017	116	1.56	22.4	423670002
7/11/2017	120	< 2	16	427964019
10/11/2017	124	1.62	23.6	435057009
1/4/2018	143	1.88	27.6	441199004
4/5/2018	129	1.6	21.7	447608014
7/3/2018	142	2.08	24.4	453993013
10/4/2018	139	2.14	25.3	461079010
1/2/2019	146	2.04	24.1	468013017
4/9/2019	149	2.28	21.6	476088015
5/1/2019	158	2.5	26.5	478096012

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW524

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/4/2016	4.13	< 1	< -2.15	407700003
10/4/2016	5.52	< 1	< -1.43	407700002
1/10/2017	3.74	< 1	< -3.88	414020001
4/3/2017	3.58	< 1	14.5	419846001
7/13/2017	2.36	< 1	< 9.65	427964020
10/11/2017	4.53	< 1	< 1.65	435057010
1/10/2018	1.24	< 1	< -2.43	441541003
1/10/2018	1.08	< 1	< -2.75	441541004
4/5/2018	12.3	< 1	< 11.4	447608015
7/9/2018	21.2	< 1	< 7.02	454258004
10/2/2018	2.44	< 1		461050001
10/2/2018			< 1.87	469659001
1/3/2019	31.4	< 1	16.8	468013018
1/3/2019	31	< 1	17	468013019
4/2/2019	113	< 1	25	475591001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW525

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/4/2016	403	0.77	27.2	407700004
1/10/2017	607	< 5	82.6	414020002
1/10/2017	599	< 5	88.4	414020003
4/3/2017	606	< 10	102	419846002
7/11/2017	510	< 10	64.4	427966001
10/11/2017	302	< 10	52.5	435057011
10/11/2017	635	< 10	46.9	435057012
1/10/2018	406	< 10	71.6	441541005
4/5/2018	501	< 10	115	447608016
7/9/2018	952	< 10	106	454258005
10/2/2018	696	< 10		461050002
10/2/2018	693	< 10		461050003
10/2/2018			103	469659002
10/2/2018			106	469659003
1/3/2019	914	< 10	119	468013020
4/2/2019	805	< 10	127	475591002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW526

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/4/2016	145	1.73	139	407700005
1/10/2017	214	1.72	134	414020004
4/3/2017	173	1.2	164	419846003
4/3/2017	168	1.24	175	419846004
7/11/2017	123	< 2	156	427966002
10/11/2017	131	1.04	90.2	435057013
1/10/2018	134	< 2	71.8	441541006
4/5/2018	1320	< 20	96.5	447608017
4/5/2018	1290	< 20	125	447608018
7/9/2018	1980	< 20	109	454258006
10/2/2018	1870	< 50		461050004
10/2/2018			122	469659004
1/3/2019	2790	< 50	169	468031001
4/2/2019	1270	< 50	180	475591003
4/2/2019	1290	< 50	184	475591004

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW527

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/4/2016	5.01	< 1	14.4	407700006
1/10/2017	8.67	< 1	32	414020005
4/3/2017	6.82	< 1	26.3	419846005
7/11/2017	4.92	< 1	24.6	427966003
7/11/2017	4.91	< 1	20.1	427966004
10/11/2017	5	< 1	< 15.7	435057014
1/10/2018	12.3	< 1	< 10.9	441541007
4/5/2018	12.3	< 1	25.7	447608019
7/9/2018	33.6	< 1	21.4	454258007
7/9/2018	34.2	< 1	25.4	454258008
10/2/2018	11.6	< 1		461050005
10/2/2018			32.3	469659005
1/3/2019	54.4	< 1	28.4	468031002
4/2/2019	27.9	< 1	27	475591005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW528

Sample Date Range: 2/21/1990 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results: TCE µg/L	Organic Laboratory Analysis Results: 1,1-DCE µg/L	Radiological Laboratory Analysis Results: Tc-99 pCi/L	Lab Sample ID
10/4/2016	32.2	< 1	< -2.63	407700007
1/10/2017	24.4	< 1	< 0.895	414020006
4/3/2017	26.7	< 1	< 9.06	419846006
7/11/2017	21.1	< 1	< 3.27	427966005
10/11/2017	20	< 1	< 3.96	435057015
1/11/2018	48.6	< 1	18.7	441547002
4/5/2018	161	< 2	36.2	447608020
7/9/2018	135	< 2	31.6	454258009
10/2/2018	135	< 2		461050006
10/2/2018			38.3	469659006
1/3/2019	185	< 2	39.2	468031003
4/2/2019	92.1	< 2	34.5	475591006

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW529

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/4/2016	63.3	1.4	105	407700008
1/10/2017	95.8	2.14	165	414020007
4/3/2017	90.9	3.55	146	419846007
7/11/2017	98.9	2.07	139	427966006
10/11/2017	94.2	4.56	104	435057016
1/10/2018	207	< 4	153	441541008
4/5/2018	1010	< 20	137	447617002
7/9/2018	1570	8.6	179	454258001
10/2/2018	1350	< 20		461050007
10/2/2018			193	469659007
1/3/2019	3070	< 20	176	468031004
4/2/2019	6380	< 50	128	475591007

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW530

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
10/4/2016	49.3	< 1	110	407700001
1/10/2017	63.2	< 1	204	414020008
4/3/2017	53	< 1	236	419846008
7/11/2017	58.3	< 1	209	427966007
10/11/2017	52.1	< 1	156	435057017
1/10/2018	72.5	< 1	117	441541009
4/5/2018	88.5	< 1	146	447617003
7/9/2018	808	< 10	110	454258010
10/2/2018	797	< 10		461050008
10/2/2018			82.7	465463001
10/2/2018			96.4	465463001-2
1/3/2019	569	< 10	90.4	468031005
4/2/2019	490	< 10	78.2	475591008

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW531

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
7/13/2017	91.8	0.49	90.6	427966008
10/11/2017	110	< 2	57	435057018
1/11/2018	99.7	0.5	75	441547003
4/5/2018	97.4	0.58	65.4	447617001
7/9/2018	94.2	0.8	74.2	454258011
10/2/2018	91.9	1.02		461050009
10/2/2018			62.9	465463002
10/2/2018			73.6	465463002-2
1/7/2019	99.2	1.18	74.3	468221007
4/8/2019	84.8	1.04	66.5	475898010

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW533

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
7/13/2017	88.9	< 1	69.7	427966009
10/11/2017	109	< 2	60.8	435057019
1/11/2018	58.1	< 1	46.7	441547004
4/5/2018	70.2	< 1	50.5	447617004
7/9/2018	72.4	0.42	74.9	454258012
10/2/2018	67.5	0.4		461050010
10/2/2018			67.5	469659008
1/7/2019	71.1	0.54	87.3	468221008
4/8/2019	63.2	0.44	68.9	475898011

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW536

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
7/13/2017	173	0.56	33.5	427966010
10/11/2017	199	1.94	28.3	435057020
1/11/2018	225	1.52	51.1	441547005
4/5/2018	195	< 4	63	447617005
7/10/2018	158	0.81	68.6	454274005
10/2/2018	153	0.8		461050011
10/2/2018			80.2	469659009
1/7/2019	125	< 2	112	468221009
4/8/2019	164	< 2	79.8	475898001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW537

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
7/13/2017	181	4.51	34	427966011
10/11/2017	187	3.62	50.1	435058001
1/11/2018	139	< 2	92.4	441547006
4/5/2018	155	1.02	94.8	447617006
7/10/2018	100	0.37	123	454274006
10/2/2018	89.9	< 2		461050012
10/2/2018			144	469659010
1/7/2019	134	0.98	110	468221010
4/8/2019	79.1	< 2	134	475898012

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW538

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
7/13/2017	54.6	2.55	< 2.92	427966012
10/11/2017	50.5	2.16	< -4.28	435058002
1/11/2018	5.05	< 1	< 4.45	441547008
4/5/2018	0.42	< 1	< 1.37	447617007
7/10/2018	20.3	0.85	< 10.9	454274007
10/2/2018			15.6	469659011
10/2/2018	7.69	< 1		461050013
1/7/2019	10.1	< 1	< 8.32	468221011
4/8/2019	66.6	2	< 2.87	475898013

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW539

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
7/13/2017	62	0.77	< 7.55	427966013
10/11/2017	116	1.09	< 6.51	435058003
1/11/2018	66	1.88	< 5.39	441547007
4/5/2018	91.2	0.98	9.62	447617008
7/10/2018	120	1.35	< 5.71	454274008
10/2/2018	110	1.14		461050014
10/2/2018			10.4	469659012
1/7/2019	120	0.96	12	468221012
4/8/2019	105	< 2	13.5	475898014

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Northeast Plume Optimization Monitoring Wells

Water Quality Records for

MW556

Sample Date Range: 2/21/1990 - 6/18/2019

	Organic Laboratory Analysis Results		Radiological Laboratory Analysis Results	
Sample Date	TCE µg/L	1,1-DCE µg/L	Tc-99 pCi/L	Lab Sample ID
7/11/2017	195	38	42.2	427966014
10/11/2017	171	30	46.3	435058004
1/9/2018	183	36.5	62.5	441537013
4/5/2018	148	22.1	44.6	447617009
7/10/2018	122	27.1	42.8	454274009
10/3/2018	147	27.7	61.3	461070014
1/2/2019	73.1	14.4	23	468031006
4/9/2019	136	25.3	40.2	476088016

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

APPENDIX C

C-746-K LANDFILL (SWMU 8) DATA

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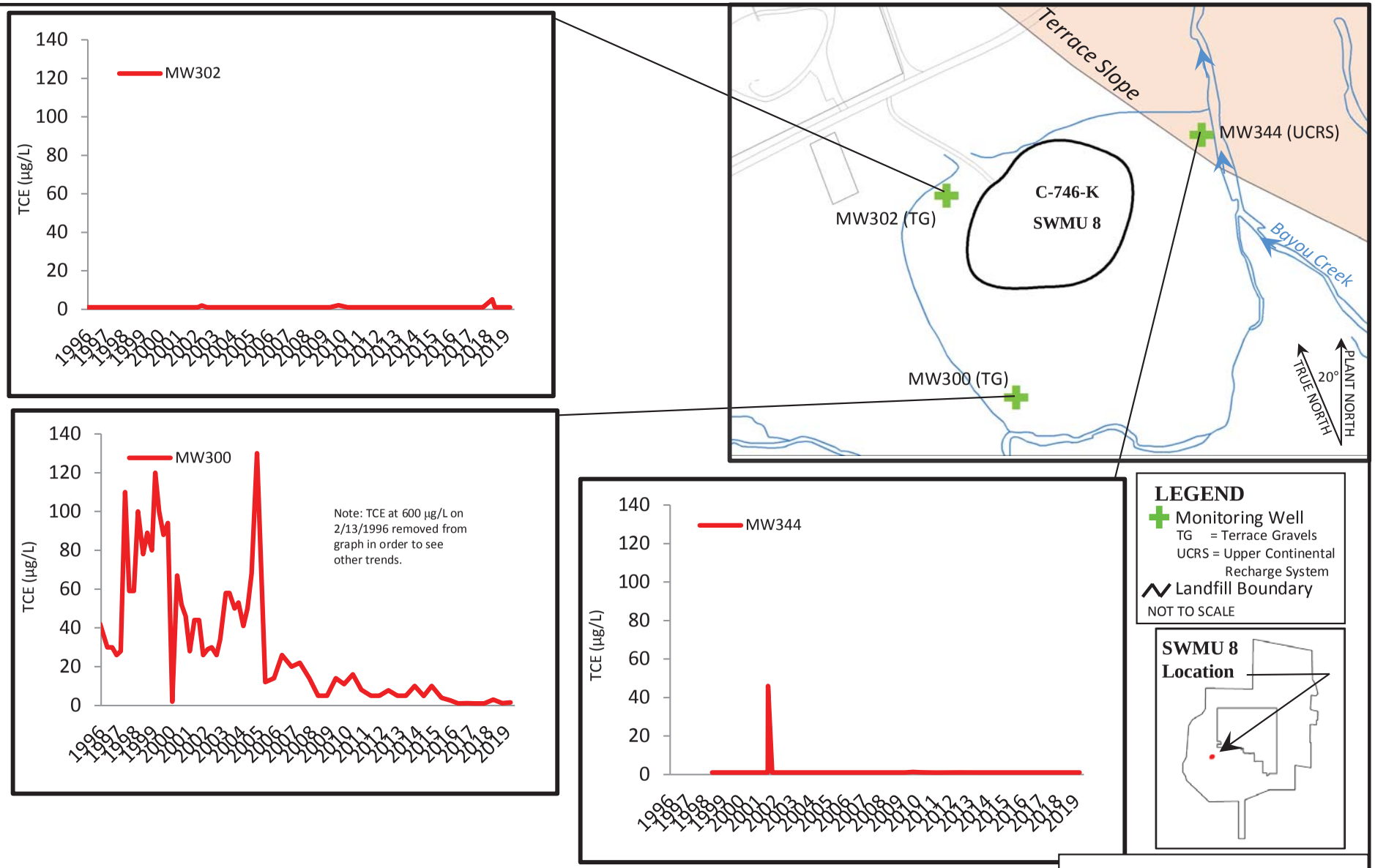

Figure C.1. TCE Trends in SWMU 8 Wells

C-746-K Landfill Monitoring

Water Quality Records for

Sample Date Range: 5/31/1994 - 4/2/2019

MW300

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	
5/31/1994	27	18	23	< 5		87.7	1230	< 50.7	25.8	< 31.3	7.68	3220303
3/21/1995	52	72	61	< 50	< 50		973	49	33.8	27	1	950322-056
7/12/1995	38	< 50	< 50	< 50	< 50		761	52.4	47	143	3	950713-153
9/12/1995	38	< 50	< 50	< 50	< 50	52.8	679	57.5	24	33	12	950913-029
12/7/1995	42	56	47	< 5	< 5		767	44.6	59.9	-6	0	951211-006
2/13/1996	600	54	< 50	< 50	< 50	64.5	985	60			4	960214-062
5/9/1996	30	< 50	< 50	< 50	< 50	44.9	792	44.9	0.4	16	2	960513-011
8/19/1996	30	< 50	< 50	< 50	< 50	37.2	568	44.4	22.9	31.5	0	960819-088
11/18/1996	26	< 50	< 50	< 50	< 50	35.8	570	37.5	7.4	48	0	961118-095
2/10/1997	28	49	30	< 25	< 25	21.3	412	20.6	5	45	0	970211-009
5/13/1997	110	120	61	< 50	< 50	31.3	518	27.6	5.2	11	0	970514-042
8/7/1997	59	< 50	68	< 50	< 50	27	497	31.2	12	13	0	970807-104
11/10/1997	59	110	66	< 25	< 25	31.8	521	32.3	-7.7	6	4	971110-114
2/4/1998	100	240	140	< 50	< 50	36.2	674	33.8	< -0.4	< 2	< -2	C980370056
5/19/1998	78	460	< 250	< 250	< 250	30.8	534	30.5	< 6.3	< 54	< 4.8	C981400029
8/11/1998	89	230	120	< 5	< 5	27.3	532	31	< 37.7	< 11	< 9.2	C982240047
11/16/1998	80	< 250	< 250	< 250	< 250	25.2	406	28.1	32.52	< 37.03	< -4.1	C983200080
1/25/1999	120	250	< 250	< 250	< 250	27	490	27.4	< 1.11	< 4.76	< -8.4	C990250154
4/19/1999	100	240	110	< 100	< 100	26.7	559	25.7	< 28.48	< 55.05	< -4.95	C991090060
7/15/1999	88	210	< 100	< 100	< 100	24.8	506	28.3	< 2.73	< -19.36	< 3.06	C991960146
10/14/1999	94	210	< 200	< 200	< 200	23.2	500	27.2	< 18.8	< 40.17	< -1.57	C992870104
1/13/2000	2	< 5	< 5	< 5	< 5	19.2	303	20.8	< -2.5	< 24.46	< 8.53	C000130120
1/13/2000	2	< 5	< 5	< 5	< 5	15.9	301	19	< -4.85	< -7.6	< 8.59	C000130123
4/27/2000	67	130	80	< 50	< 50	18.2	310	21.4	< 10.97	66.12	< -1.63	C001190009
7/27/2000	52	< 100	< 100	< 100	< 100	15.2	318	23.7	< 15.87	< 55.01	< 11.9	C002090106
10/16/2000	46	100	60	< 5	< 5	14.8	278	23	< 8.41	< 36.69	< 2.75	C002910044
1/10/2001	28	64	39	< 5	< 5	10.3	217	18	< -9.46	< 4.09	< 2.2	C010100097
4/16/2001	44	100	64	< 50	< 50	15	340	24.1	< -7.63	< 25.6	< 27.4	C011060085
7/24/2001	44	93	59	< 50	< 50	16.4	331	28.6	< 27	< 8.41	< 7.99	C012060008
10/15/2001	26	< 50	< 50	< 50	< 50	10.6	220	18.8	< 32.5	33.9	< -2.48	C012880074
1/22/2002	29	< 100	< 100	< 100	< 100	10	286	20.9	< 43.8	< 19.4	< 3.36	C020220046
4/10/2002	30	57	< 50	< 50	< 50	13	381	26.6	< -15.1	< 50.8	< 2.75	C021010048

Monday, October 07, 2019

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C-746-K Landfill Monitoring

Water Quality Records for

MW300

Sample Date Range: 5/31/1994 - 4/2/2019

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	
7/24/2002	26	< 100	< 100	< 100	< 100	12.9	339	26.8	< 47.4	62.2	< 8.97	C022060004
7/24/2002	26	< 100	< 100	< 100	< 100	12.6	363	24.8	< 23.2	< 43.3	21.5	C022060003
10/3/2002	34	66	< 50	< 50	< 50	0.0101	0.33	36.9	< 26.9	< 24.9	17.5	C022760027
1/30/2003	58	160	100	< 50	< 50	10.8	395	23.5	< 3.65	< 3.52	< 1.19	C030310020
4/15/2003	58	180	< 100	< 100	< 100	6.86	437	22.9	< 2.47	< 20.3	< 4.19	C031050068
7/30/2003	42	< 100	< 100	< 100	< 100	21.9	409	27	< 9.4	< 48.7	< 1.31	C032110044
7/30/2003	50	< 100	< 100	< 100	< 100	14.3	382	25.4	< 51.5	53.5	< 4.26	C032110045
10/21/2003	53	92	63	< 50	< 50	0.55	497	24.9	< 39.1	< 38	< -4.59	C032950017
1/26/2004	41	120	< 100	< 100	< 100	0.471	414	1.91	< 50.1	< 1.36	< 6.71	C040260079
4/21/2004	50	140	< 100	< 100	< 100	0.591	327	17.2	< -5.55	< 8.26	< -1.58	C041130033
7/15/2004	68	160	< 100	< 100	< 100	0.69	424	24.2	< 21.8	< -11.1	< -7.47	C041970166
7/15/2004	55	140	< 100	< 100	< 100	0.882	396	22.9	< 15	< 17.4	< -6.91	C041970167
11/9/2004	130	110	< 100	< 100	< 100	0.99	369	22.9	< 12	< 29.7	< -2.6	C043150018
4/27/2005	12	51	< 50	< 50	< 50	0.289	126	11.8	< 19.1	39.8	< -2.41	C051170049
10/25/2005	14	65	< 50	< 50	< 50	0.344	178	15.2	< 2.14	29.6	< 6.49	C052990006
10/25/2005	13	55	< 50	< 50	< 50	0.259	199	16.1	< 18.1	38.4	< 8.37	C052990007
4/11/2006	26	120	77	< 50	< 50	< 0.2	161	16.5	< 0.896	< 28.2	< -2.86	C061020009
10/23/2006	< 20	< 100	< 100	< 100	< 100	0.334	124	16.2	< -0.251	< 16.2	< 8.62	C062960050
4/12/2007	< 22	< 120	< 60	< 50	< 50	< 0.2	203	18.1	< -3.16	< 33.1	< -1.66	C071030007
10/25/2007	13	120	75	< 5	< 5	< 0.2	166	20.2	< 4.54	27.8	< 1.13	C072980184
10/25/2007	14	120	77	< 5	< 5	< 0.2	162	19.7	< -0.658	< 25.1	< 1.82	C072980183
4/28/2008	< 5	42	34	< 25	< 5		117	16.8	< -0.155	64.4	< 0.8	C081200001
10/29/2008	< 5	48	32	< 25	< 5	< 0.2	63.9	15	< 6.06	43.7	< 11.7	C08304013001
10/29/2008	< 5	46	29	< 25	< 5	< 0.2	110	16.9	< 5.22	34.8	< 6.45	C08304013002
4/30/2009	14	93	52	< 5	< 5	< 0.2	104	27.4	< -0.39	37	< 5.55	C09120015001
10/19/2009	11	39	24	< 2	< 2	< 0.2	36.9	11.2	< -1.13	28.4	< -8.36	C09292035001
10/19/2009	9	41	24	< 2	< 2	< 0.2	65	9.73	< -2.41	27.1	< -8.19	C09292035002
4/20/2010	16	130	58	< 25	< 5	< 0.2	121	19.2	< -4.11	33.6	< -1.74	C10110009002
10/13/2010	8	140	78	< 25	< 5	< 0.4	165	25.5	< 2.34	62.3	< -3.09	C10286021003
10/13/2010	8	130	72	< 25	< 5	< 0.4	241	27.2	< 21.9	48.4	< -7.38	C10286021002
4/26/2011	< 5	68	44	< 25	< 5	0.625	129	14.1	< 0.246	34.3	< -0.327	C11116009001
10/19/2011	< 5	68	42	< 5	< 5	0.558	155	18.4	< 2.93	65.7	< 0.89	C11292015001

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C-746-K Landfill Monitoring

Water Quality Records for

Sample Date Range: 5/31/1994 - 4/2/2019

MW300

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Lab Sample ID
10/19/2011	< 5	71	44	< 5	< 5	0.358	78.8	15.8	< 13.2	53.9	< -4.3	C11292015002
4/24/2012	7.8	100	59	< 5	< 5	< 2	218	18.2	< 3.57	80.6	< 3.84	C12115011001
10/29/2012	< 5	100	69	< 5	< 5	1.65	217	25.3	< 12.6	57.8	< -2.74	C12303019002
10/29/2012	< 5	93	56	< 5	< 5	0.271	222	25.5	< 1.27	49.6	< -4.68	C12303019003
4/23/2013	< 5	93	73	< 5	< 5	< 0.2	292	23.6	< 4.25	< 42	< -2.67	C13113007001
10/21/2013	< 10	76	53	< 10	2.2	< 0.2	201	21.4	< 3.28	61.9	< 0.287	C13294037002
10/21/2013	< 10	76	52	< 10	< 2	< 0.2	208	20.7	< -6.52	< 36.5	< 11.5	C13294037003
4/29/2014	4.9	82.4	56.8	< 10	< 10	0.0253	276	19.3	< 10.4	37.4	< 0.00258	347676009
10/7/2014	< 10	64.3	55.2	< 10	< 10	< 0.05	236	18.9	< 5	23.5	< -2.04	358703001
10/7/2014	< 10	66.7	54	< 10	< 10	0.0224	253	19.5	< 2.03	29.1	< -4.11	358703003
4/28/2015	3.9	< 1	< 1	< 1	< 1	< 0.05	26.9	3.38	< 1.86	21.2	< 3.96	371985001
10/27/2015	2.56	46.6	35.9	< 1	0.51	< 0.5	192	16.8	< 6.99	30.2	< 4.16	384156001
4/13/2016	0.97	22	17.2	< 1	< 1	0.0608	92.1	10.5	< -4.61	27.8	< -5.55	395245005
4/13/2016	0.94	22.1	16.7	< 1	< 1	0.0364	99.1	10.8	< -4.3	31.5	< -4.87	395245003
10/11/2016	1.17	19.6	14.5	< 1	< 1	0.0314	79.6	8.18	< 3.41	25.3	< -5	407853001
4/6/2017	1.06	24.6	19.5	< 2	< 2	0.0241	129	14.6	< 0.27	20.6	< 0.563	420096001
10/6/2017	< 1	< 1	< 1	< 1	< 1	0.127	77.5	12.5	< -0.084	23.7	< 1.57	434592001
4/9/2018	3.04	15.6	13.1	< 2	< 2	0.151	65.4	11.2	< 8.97	44.9	< -3.45	447581001
10/11/2018	1.1	19.7	15	< 2	< 2	< 0.05	70.5	12.2	< 12.5	42.6	< 2.26	461582001
4/2/2019	1.6	22	17	< 2	< 2	< 0.05	138	15.8	< 5.3	29.9	< 13.5	475418001

Wednesday, October 02, 2019

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C-746-K Landfill Monitoring

Water Quality Records for

Sample Date Range: 5/31/1994 - 4/2/2019

MW301

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	
6/1/1994	< 5	< 5	3	< 5		0.823	470	28.3	< 10.4	< 19.4	5.07	3220101
3/21/1995	< 1	< 5	< 5	< 5	< 5		236	22	-5.9	34	3	950322-052
7/12/1995	< 1	< 5	< 5	< 5	< 5		249	22.1	14	102	9	950713-157
9/12/1995	< 1	< 5	< 5	< 5	< 5	< 0.625	171	17.8	-2.6	17	3	950913-025
12/7/1995	1	< 5	< 5	< 5	< 5		99	12.3	30.3	49	6	951211-014
2/13/1996	< 1	< 5	< 5	< 5	< 5	0.766	166	18.9	6.3	82	0	960214-066
5/9/1996	< 1	< 5	< 5	< 5	< 5	0.975	224	18	0.3	22	3	960513-010
8/19/1996	< 1	< 5	< 5	< 5	< 5	1.58	284	21.3	5.5	42.4	7	960819-087
11/18/1996	< 1	< 5	< 5	< 5	< 5	1.32	175	19.5	-1.4	47	0	961118-096
11/18/1996	< 1	< 5	< 5	< 5	< 5	< 0.75	< 0.3	< 0.05	6	15	0	961118-097
2/10/1997	< 1	< 5	< 5	< 5	< 5	1.13	225	19.8	12.6	47	0	970211-015
5/13/1997	4	< 5	< 5	< 5	< 5	< 0.75	248	22	-11	45	0	970514-043
8/7/1997	< 1	< 5	< 5	< 5	< 5	< 1	203	17.2	19.2	160	0	970807-105
11/10/1997	< 1	< 5	< 5	< 5	< 5	< 1	72.4	10	4.3	18	3	971110-115
2/4/1998	< 1	< 5	< 5	< 5	< 5	2.44	160	15.8	< -11.3	106	< 4	C980370057
5/19/1998	< 1	< 5	< 5	< 5	< 5	< 1	169	17.4	< -2.3	< 25	< 8.2	C981400028
8/11/1998	< 1	< 5	< 5	< 5	< 5	2.13	170	16.3	< -2.3	< 35	< 4.3	C982240046
11/16/1998	< 1	< 5	< 5	< 5	< 5	< 1	102	12.8	< 11.32	55.82	< -15.9	C983200081
1/25/1999	< 1	< 5	< 5	< 5	< 5	< 1	138	14.9	< 3.83	< 52.42	< -5.8	C990250155
4/19/1999	< 1	< 5	< 5	< 5	< 5	< 0.2	203	18.2	< -6.97	< 49.78	< -10.6	C991090061
7/15/1999	< 1	< 5	< 5	< 5	< 5	< 0.2	210	17.5	< -12.3	< 32.1	< -6.69	C991960147
10/14/1999	< 1	< 5	< 5	< 5	< 5	< 0.2	73.7	10.6	17.2	50.79	< 2.57	C992870106
10/14/1999	< 1	< 5	< 5	< 5	< 5	< 0.2	73.1	10.3	< 1.83	41.56	< 0.419	C992870105
1/13/2000	< 1	< 5	< 5	< 5	< 5	< 0.2	77.8	9.32	< 6.93	52.05	< 6.54	C000130122
4/27/2000	< 1	< 5	< 5	< 5	< 5	< 0.2	152	15.6	< 4.87	< -6.93	< -12.6	C001190010
7/27/2000	< 1	< 5	< 5	< 5	< 5	< 0.2	135	14.9	< 2.09	< 4.03	< -2.23	C002090105
10/16/2000	< 1	< 5	< 5	< 5	< 5	< 0.2	70.6	10.6	< -16.56	63.66	< -2.02	C002910045
1/10/2001	< 1	< 5	< 5	< 5	< 5	< 0.2	95.6	12.2	< 6.56	27.9	< -1.62	C010100098
4/16/2001	< 1	< 5	< 5	< 5	< 5	1.86	139	13.8	< 16.1	32.7	< 10.7	C011060087
4/16/2001	< 1	< 5	< 5	< 5	< 5	0.231	128	13.8	< 11.1	30.1	< 5.23	C011060088
7/24/2001	< 1	< 5	< 5	< 5	< 5	< 0.2	106	13.1	< -0.871	54.4	< 7.08	C012060010
10/15/2001	< 1	< 5	< 5	< 5	< 5	< 0.2	107	12.8	< 21.9	37.9	< 5.53	C012880075

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-746-K Landfill Monitoring

Water Quality Records for

MW301

Sample Date Range: 5/31/1994 - 4/2/2019

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	
1/25/2002	< 1	< 5	< 5	< 5	< 5	< 0.2	146	14.5	< 3.69	< 28.3	< 2.51	C020250055
1/25/2002	< 1	< 5	< 5	< 5	< 5	< 0.2	154	15.4	< -2.44	51.6	< 6.3	C020250056
4/10/2002	< 1	< 5	< 5	< 5	< 5	0.317	172	16.2	< 19	< 5.09	< 0.617	C021010049
7/24/2002	< 1	< 5	< 5	< 5	< 5	< 0.2	186	15.4	< 36.1	< 23.5	17.8	C022060005
10/3/2002	3	< 5	< 5	< 5	< 5	< 0.002	< 0.2	14.5	< 5.72	46.8	< 15	C022760029
1/30/2003	< 1	< 5	< 5	< 5	< 5	4.62	203	16.1	< 0.197	< 3.65	< 3.3	C030310018
1/30/2003	< 1	< 5	< 5	< 5	< 5	0.287	166	15.5	< -1.71	< 6.29	< -0.324	C030310017
4/14/2003	< 1	< 5	< 5	< 5	< 5	1.03	232	17.2	< 0.227	< 37.1	< -0.162	C031040077
7/30/2003	< 1	< 5	< 5	< 5	< 5	0.71	218	15.4	< 32.9	50.2	< 2.84	C032110046
10/21/2003	< 1	< 5	< 5	< 5	< 5	< 0.2	257	17.4	< 9.47	< 31.4	< 0	C032950018
1/26/2004	< 1	< 5	< 5	< 5	< 5	0.39	267	19.6	< 14.9	53.3	< 10.8	C040260080
1/26/2004	< 1	< 5	< 5	< 5	< 5	0.577	266	19.3	< 17.7	73	< 11.7	C040260081
4/21/2004	< 1	< 5	< 5	< 5	< 5	< 0.2	238	18	< 9.42	< 42.4	< -3	C041130034
7/15/2004	< 1	5	5	< 5	< 5	< 0.2	277	19.8	< 17.3	< 40.3	< -12.4	C041970168
10/19/2004	< 1	< 5	< 5	< 5	< 5	< 0.2	152	13.7	< -32.8	< 33.7	< -1.56	C042940033
4/27/2005	< 1	< 5	< 5	< 5	< 5	< 0.2	232	20.1	< -.987	129	< -6.58	C051170050
10/25/2005	< 1	5.1	5.6	< 5	< 5	< 0.2	289	19.9	< -12.7	51.3	< 4.49	C052990008
4/11/2006	< 1	< 5	5.2	< 5	< 5	< 0.2	287	20.9	< 8.03	50.9	< -2.97	C061020010
4/11/2006	< 1	< 5	5.4	< 5	< 5	< 0.2	279	19.6	< 3.04	62	< 8.86	C061020011
10/23/2006	< 1	5.9	5.8	< 5	< 5	0.76	295	20.5	< 13.7	< 31.7	< 15.3	C062960051
4/12/2007	< 1	< 5	< 5	< 5	< 5	2.42	265	15.8	< 7.86	60.8	< 4.66	C071030005
10/25/2007	< 1	3.6	3.1	< 1	< 1	1.06	117	8.42	< 1.59	39.3	< -9.49	C072980109
4/28/2008	< 1	< 1	2.9	< 5	< 1		192	15.3	< 25.6	45.9	< -3.1	C081190047
4/28/2008	< 1	< 1	2.8	< 5	< 1		185	14.7	< 20.4	79.9	< -4.91	C081190048
10/29/2008	< 1	3.8	3.9	< 5	< 1	< 0.2	240	16.3	< 7.81	77.1	< 5.16	C08304013003
4/30/2009	< 1	3.8	3.9	< 1	< 1	< 0.2	228	15.9	< 7.32	71	< 7.74	C09120015002
4/30/2009	< 1	4.5	4.4	< 1	< 1	< 0.2	160	14.5	< 17.8	85	< 12.3	C09120015003
10/19/2009	3.8	5.5	4.8	< 1	< 1	< 0.2	208	14	< 0.393	58.6	< -1.75	C09292035003
4/20/2010	< 1	< 5	2.9	< 5	< 1	< 0.2	196	13.7	< -7.51	45.2	< -8.84	C10110009005
4/20/2010	< 1	< 5	3	< 5	< 1	< 0.2	198	13.8	< 11.5	50.7	< -8.41	C10110009004
10/13/2010	< 1	< 5	1.9	< 5	< 1	< 0.4	133	11	< -0.711	56.4	< -4.72	C10286021005
4/26/2011	< 1	< 5	< 1	< 5	< 1	0.247	176	14.5	< 8.21	68	< -13.4	C11116009002

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-746-K Landfill Monitoring

Water Quality Records for

Sample Date Range: 5/31/1994 - 4/2/2019

MW301

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Lab Sample ID
10/19/2011	< 1	< 5	1.7	< 1	< 1	0.298	183	11.8	< 8.7	86.5	< 4.3	C11292015003
4/24/2012	< 1	2.1	< 1	< 1	< 1	< 2	119	9.63	< 5.31	< 35.7	< 2.86	C12115011002
10/29/2012	< 1	< 1	< 1	< 1	< 1	6.98	163	8.35	< 15.1	58.9	< 1.99	C12303019004
4/23/2013	< 1	1.2	1.4	< 1	< 1	0.216	120	9.8	< 10.1	< 46.9	< 0.0556	C13113007002
10/21/2013	< 1	2.4	2.2	< 1	< 1	10.9	200	10.7	< 6.61	< 54.4	< 8.32	C13294037004
4/29/2014	< 1	1.73	1.95	< 1	< 1	0.0277	121	8.95	6.95	52.9	< 2.71	347676005

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-746-K Landfill Monitoring

Water Quality Records for

Sample Date Range: 5/31/1994 - 4/2/2019

MW302

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	
6/1/1994	< 5	< 5	< 5	< 5		< 0.415	0.238	0.189	< 3.09	< 3.11	< 0.94	3220301
3/21/1995	< 1	< 5	< 5	< 5	< 5		2.6	0.26	2.2	5	8	950322-048
7/12/1995	< 1	< 5	< 5	< 5	< 5		0.702	0.175	4	13	6	950713-149
9/11/1995	< 1	< 5	< 5	< 5	< 5	1.3	1.06	0.139	7.2	2	13	950912-007
12/7/1995	< 1	< 5	< 5	< 5	< 5		2.39	0.087	6.2	3	2	951211-018
2/13/1996	< 1	< 5	< 5	< 5	< 5	2.14	1.68	0.08	-6	-2	1	960214-054
2/13/1996	< 1	< 5	< 5	< 5	< 5	2.61	2.14	0.099	-5.4	-4	0	960214-058
5/9/1996	< 1	< 5	< 5	< 5	< 5	< 0.75	< 0.3	0.041	0.9	17	6	960513-009
8/20/1996	< 1	< 5	< 5	< 5	< 5	< 0.75	< 0.3	0.058	4.4	6	6	960821-022
8/20/1996	< 1	< 5	< 5	< 5	< 5	< 0.75	< 0.3	< 0.05	12.3	5	11	960821-020
2/10/1997	< 1	< 5	< 5	< 5	< 5	< 0.75	1.64	0.19	2.9	3	0	970211-010
2/10/1997	< 1	< 5	< 5	< 5	< 5	< 0.75	0.31	0.157	-.2	1	0	970211-011
5/13/1997	< 1	< 5	< 5	< 5	< 5	< 0.75	< 0.3	0.099	5.9	3	10	970514-044
8/7/1997	< 1	< 5	< 5	< 5	< 5	< 1	< 0.25	< 0.1	2.8	1	0	970807-144
8/7/1997	< 1	< 5	< 5	< 5	< 5	< 1	< 0.25	0.12	1.6	1	2	970807-145
11/10/1997	< 1	< 5	< 5	< 5	< 5	1.02	1.09	0.11	9.8	14	0	971110-118
2/5/1998	< 1	< 5	< 5	< 5	< 5	< 1	< 0.5	< 0.1	< 1.2	< 4	< -2	C980370103
2/5/1998	< 1	< 5	< 5	< 5	< 5	< 1	< 0.5	0.114	< 1.8	< 0	< 5	C980370102
5/20/1998	< 1	< 5	< 5	< 5	< 5	< 1	< 0.25	0.164	< 2.3	37	< 2.1	C981400088
5/20/1998	< 1	< 5	< 5	< 5	< 5	< 1	< 0.25	0.167	< -0.9	8	< 2.8	C981400087
8/11/1998	< 1	< 5	< 5	< 5	< 5	< 1	< 0.2	0.173	< 7.6	11	< -7.6	C982240043
8/11/1998	< 1	< 5	< 5	< 5	< 5	< 1	< 0.2	0.143	< 1	< 4	< -1	C982240044
11/16/1998	< 1	< 5	< 5	< 5	< 5	< 1	< 0.2	0.1	< 3.6	8.03	< -7.2	C983200082
1/25/1999	< 1	< 5	< 5	< 5	< 5	< 1	< 0.2	0.11	< 0.86	< 0.3	< -19.8	C990250156
4/19/1999	< 1	< 5	< 5	< 5	< 5	0.22	< 0.2	0.122	< 1.67	< 4.72	< -18.5	C991090062
7/15/1999	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.157	< 0.82	< -20.12	< 5.04	C991960148
10/14/1999	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.069	< 4.18	< 3.33	< -1.15	C992870107
1/13/2000	< 1	< 5	< 5	< 5	< 5	< 0.2	0.381	0.05	< 0.05	< 5.09	< 1.59	C000130119
4/27/2000	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.11	< 4.56	< 2.89	< -21.3	C001190011
4/27/2000	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.118	< 1.91	< 4.14	< -16.4	C001190012
7/27/2000	< 1	< 5	< 5	< 5	< 5	0.203	0.315	0.185	< 6.72	< 4.08	< -2.03	C002090104
10/16/2000	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.08	< 2.79	22.54	< 5.95	C002910046

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-746-K Landfill Monitoring

Water Quality Records for

MW302

Sample Date Range: 5/31/1994 - 4/2/2019

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Lab Sample ID
1/10/2001	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.112	< 0.329	< 5.56	< 8.77	C010100096
1/10/2001	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.101	< -4.7	< 3.52	< 2.65	C010100095
4/16/2001	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.068	< -4.37	< 1	< 12.2	C011060086
7/24/2001	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.053	< 1.09	< 1.72	< 12.4	C012060011
10/15/2001	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.207	< 2.32	< 0.344	< 4.48	C012880076
1/22/2002	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.047	< 5.75	< 1.7	< 11.5	C020220047
4/10/2002	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.054	< 5.56	< -1.95	< 4.88	C021010050
4/10/2002	2	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.062	< 2.37	< -2.75	< -3.64	C021010051
7/24/2002	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.056	9.53	< 2.21	< 14.7	C022060006
10/3/2002	< 1	< 5	< 5	< 5	< 5	< 0.002	< 0.002	0.0688	< 9.5	< 2.76	< 10.1	C022760028
1/30/2003	< 1	< 5	< 5	< 5	< 5	0.639	0.762	0.144	< -0.209	< 1.74	< 2.05	C030310021
4/15/2003	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.0607	< 2.62	< 1.04	< 4.54	C031050066
4/15/2003	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.2	0.0609	< -4.39	43.1	16.2	C031050067
7/30/2003	< 1	< 5	< 5	< 5	< 5	< 0.2	0.523	1.3	< 6.9	< 4.11	< -9.55	C032110047
10/21/2003	< 1	< 5	< 5	< 5	< 5	< 0.2	5.77	1.88	< 4.13	< 2.82	< -6.62	C032950016
1/26/2004	< 1	< 5	< 5	< 5	< 5	< 0.2	2.64	1.98	< -3.37	9.48	< 6.25	C040260078
4/21/2004	< 1	< 5	< 5	< 5	< 5	< 0.2	0.611	1.63	< 6.89	< -1.62	< -0.819	C041130035
4/21/2004	< 1	< 5	< 5	< 5	< 5	< 0.2	0.302	1.71	< -1.61	< -0.897	< 5.4	C041130036
7/15/2004	< 1	< 5	< 5	< 5	< 5	< 0.2	1.18	1.63	< 5.85	< -0.825	< -12.4	C041970169
10/19/2004	< 1	< 5	< 5	< 5	< 5	< 0.2	0.244	1.06	< -4.94	< 3.65	< 4.4	C042940032
4/27/2005	< 1	< 5	< 5	< 5	< 5	< 0.2	0.154	0.708	< 0.394	< 0.723	< 15.5	C051170051
4/27/2005	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.1	0.675	< 1.48	< 3.76	< 15.3	C051170052
10/25/2005	< 1	< 5	< 5	< 5	< 5	< 0.2	< 0.1	1.35	< -1.17	< 0.46	< 9.83	C052990009
4/11/2006	< 1	< 5	< 5	< 5	< 5	0.418	1.02	0.572	< -1.64	< 3.54	< 0.914	C061020008
10/26/2006	< 1	< 5	< 5	< 5	< 5	0.347	0.479	0.99	< -0.702	< 3.23	< 8.62	C062990102
10/26/2006	< 1	< 5	< 5	< 5	< 5	< 0.2	0.128	0.986	< -3.44	< 2.09	< 8.97	C062990103
4/12/2007	< 1	< 5	< 5	< 5	< 5	< 0.2	0.131	0.345	< 4.96	< 3.59	< 13.1	C071030006
10/25/2007	< 1	< 1	< 1	< 1	< 1	< 0.2	0.317	0.622	< 3.48	< 4.7	< -3.38	C072980110
4/28/2008	< 1	< 1	< 1	< 5	< 1		< 0.1	0.263	< 3.99	< -0.184	< -5.34	C081190049
10/29/2008	< 1	< 1	< 1	< 5	< 1	0.23	0.281	0.319	< 1.16	< 0.994	< 10.6	C08304013004
4/30/2009	< 1	< 1	< 1	< 1	< 1	< 0.2	< 0.1	0.215	< 1.78	< 1.17	< 1.39	C09120016001
10/19/2009	2.1	< 1	< 1	< 1	< 1	0.493	0.425	0.433	< 0.942	< 1.51	< -6.33	C09292035004

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-746-K Landfill Monitoring

Water Quality Records for

Sample Date Range: 5/31/1994 - 4/2/2019

MW302

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Lab Sample ID
4/20/2010	< 1	< 5	< 1	< 5	< 1	0.933	1.5	1.01	< 1.13	< 1.46	< -0.868	C10110009001
10/13/2010	< 1	< 5	< 1	< 5	< 1	< 0.4	0.21	0.245	< 4.95	< 2.61	< 2.66	C10286021004
4/26/2011	< 1	< 5	< 1	< 5	< 1	< 0.2	0.112	0.095	< 0.402	< 3.67	< -0.163	C11116009003
10/19/2011	< 1	< 5	< 1	< 1	< 1	< 0.2	0.235	0.208	< 1.9	6.89	< 2.99	C11292015004
4/24/2012	< 1	< 1	< 1	< 1	< 1	< 0.4	0.333	0.163	< 0.867	< 0.188	< 3.89	C12115011003
10/29/2012	< 1	< 1	< 1	< 1	< 1	< 0.2	< 0.1	0.0704	< 0.308	< -0.308	< -6.18	C12303019001
4/23/2013	< 1	< 1	< 1	< 1	< 1	< 0.2	< 0.1	0.0804	< 3.53	< 1.37	< -2.15	C13113007003
10/21/2013	< 1	< 1	< 1	< 1	< 1	< 0.2	< 0.1	0.19	< 2.39	< 2.41	< 1.2	C13294037001
4/29/2014	< 1	< 1	< 1	< 1	< 1	0.0339	0.112	0.156	< -0.306	< 2.95	< 2.13	347676007
10/7/2014	< 1	< 1	< 1	< 1	< 1	0.0573	0.163	0.414	< -1.1	< 1.86	< 12.8	358703005
4/28/2015	< 1	< 1	< 1	< 1	< 1	0.0504	0.106	0.674	< 7.44	< 3.78	< -0.946	371985003
10/27/2015	< 1	< 1	< 1	< 1	< 1	0.0272	0.157	0.454	< -3.02	< -1.71	< -2.76	384156005
10/27/2015	< 1	< 1	< 1	< 1	< 1	0.0205	0.13	0.402	< -2.37	< -2.28	< 3.12	384156003
4/13/2016	< 1	< 1	< 1	< 1	< 1	0.0496	0.275	0.326	< 3.35	8.77	< -11	395245001
10/11/2016	< 1	< 1	< 1	< 1	< 1	0.0458	0.109	0.297	< -1.69	< -6.03	< -4.58	407853003
10/11/2016	< 1	< 1	< 1	< 1	< 1	0.102	0.222	0.31	< -3.58	< 4.11	< -7.9	407853005
4/6/2017	< 1	< 1	< 1	< 1	< 1	0.106	0.274	0.0465	< -2.09	< 5.58	< 3.16	420096003
10/6/2017	< 1	< 1	< 1	< 1	< 1	0.0885	0.333	0.41	< 2.18	< 5.43	< 2.4	434592005
10/6/2017	< 1	< 1	< 1	< 1	< 1	0.0659	0.296	0.332	< -0.704	< 8.85	< 0.00131	434592003
4/9/2018	5.1	< 1	< 1	< 1	< 1	0.0749	0.219	0.205	< -0.121	< -0.119	< 5.28	447581003
5/31/2018	< 1	< 1	< 1	< 1	< 1							451547001
10/11/2018	< 1	< 1	< 1	< 1	< 1	0.0318	0.0881	0.29	< 2.78	< 2.78	< -4.71	461582003
10/11/2018	< 1	< 1	< 1	< 1	< 1	0.0203	0.035	0.266	< 2.29	< 7.02	< -9.38	461582005
4/2/2019	< 1	< 1	< 1	< 1	< 1	0.0319	0.0349	0.0974	< 1.5	< 5.84	< 4.36	475418003
4/2/2019	< 1	< 1	< 1	< 1	< 1	0.0362	0.0523	0.0997	< 2.55	< -0.754	< 3.9	475418005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-746-K Landfill Monitoring

Water Quality Records for

MW344

Sample Date Range: 5/31/1994 - 4/2/2019

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Lab Sample ID
5/20/1998	< 1	< 5	< 5	< 5	< 5	5.43	11.2	0.663	< 4	24	< -2.8	C981400089
8/11/1998	< 1	< 5	< 5	< 5	< 5	7.65	13.1	0.946	< 3.2	11	< -1.3	C982240042
11/16/1998	< 1	< 5	< 5	< 5	< 5	2.65	12.2	0.83	< 5.66	8.45	< 6.8	C983200078
11/16/1998	< 1	< 5	< 5	< 5	< 5	2.43	9.51	0.65	< 2.27	9.59	< -3.1	C983200079
1/25/1999	< 1	< 5	< 5	< 5	< 5	8.54	13	0.79	< 0.1	14.19	< 8.4	C990250157
4/19/1999	< 1	< 5	< 5	< 5	< 5	9.26	16.1	0.827	< 4.05	8.24	< -9.06	C991090063
7/15/1999	< 1	< 5	< 5	< 5	< 5	3.21	13.6	0.756	< 3.29	< 3.03	< 7.03	C991960149
10/14/1999	< 1	< 5	< 5	< 5	< 5	8.76	13.1	0.871	5.38	< 5.75	< 7.28	C992870108
1/13/2000	< 1	< 5	< 5	< 5	< 5	1.35	9.06	0.565	< 0.74	12.89	< 6.94	C000130121
4/27/2000	< 1	< 5	< 5	< 5	< 5	3.68	10.8	0.523	< 2.81	19.31	< -2.65	C001190013
7/27/2000	< 1	< 5	< 5	< 5	< 5	1.27	6.22	0.404	< 4.3	14.19	< -6.62	C002090103
7/27/2000	< 1	< 5	< 5	< 5	< 5	1.92	8.16	0.531	7.68	12.31	< 10.4	C002090102
10/16/2000	< 1	< 5	< 5	< 5	< 5	1.5	5.4	0.37	< -0.9	21.88	< 1.57	C002910048
10/16/2000	< 1	< 5	< 5	< 5	< 5	1.92	6.81	0.525	< 1.79	15.94	< 0.674	C002910047
1/10/2001	< 1	< 5	< 5	< 5	< 5	4.4	6.02	0.396	< 0.529	< 1.5	< 4.46	C010100099
4/16/2001	< 1	< 5	< 5	< 5	< 5	2.3	7.02	0.411	< 1.98	6.24	< -7.79	C011060089
7/19/2001	< 1	< 5	< 5	< 5	< 5	1.83	5.1	0.355	< -2.34	< 1.95	< 7.79	C012010060
7/24/2001	46	100	59	< 50	< 50	15.8	315	27.7	< 32.1	< 25.1	< 12.4	C012060009
10/15/2001	< 1	< 5	< 5	< 5	< 5	0.655	3.55	0.399	< 4.6	< 2.4	< -2	C012880066
10/15/2001	< 1	< 5	< 5	< 5	< 5	0.797	3.79	0.329	< 0.901	9.99	< -8.48	C012880067
1/22/2002	< 1	< 5	< 5	< 5	< 5	1.37	5.33	0.366	< 5.38	6.15	< 6.69	C020220045
4/10/2002	< 1	< 5	< 5	< 5	< 5	1.63	7.58	0.378	< -0.899	< 2.73	< 4.04	C021010052
7/24/2002	< 1	< 5	< 5	< 5	< 5	2.07	5.44	0.49	10.2	< 6.95	< 4.82	C022060007
10/3/2002	< 1	< 5	< 5	< 5	< 5	0.00423	0.00456	0.323	< 5.83	< 5.09	18.5	C022760030
10/3/2002	< 1	< 5	< 5	< 5	< 5	0.00323	0.00478	0.366	< 2.54	< 2.37	< 13.8	C022760031
1/30/2003	< 1	< 5	< 5	< 5	< 5	1.68	4.16	0.378	< -2.18	< 0.631	< 2	C030310019
4/14/2003	< 1	< 5	< 5	< 5	< 5	3.92	3.28	0.268	< 0.0183	< 8.74	20.4	C031040078
7/30/2003	< 1	< 5	< 5	< 5	< 5	21.9	35.4	6.18	< 12.1	< 6.22	< 12.3	C032110048
10/21/2003	< 1	< 5	< 5	< 5	< 5	3.63	34.8	3.99	< 3.45	< 3.49	< -1.39	C032950015
10/21/2003	< 1	< 5	< 5	< 5	< 5	4.19	32.6	0.388	< 5.8	< 4.3	< 3.31	C032950014
1/26/2004	< 1	< 5	< 5	< 5	< 5	4.22	18.2	2.32	10.1	7.74	< 5.32	C040260082
4/21/2004	< 1	< 5	< 5	< 5	< 5	2.91	13.3	1.23	< 2.26	< 1.95	< -4.04	C041130037

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-746-K Landfill Monitoring

Water Quality Records for

MW344

Sample Date Range: 5/31/1994 - 4/2/2019

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Lab Sample ID
7/15/2004	< 1	< 5	< 5	< 5	< 5	< 0.2	12.9	1.61	< 0.82	< 2.89	< -8.52	C041970170
10/19/2004	< 1	< 5	< 5	< 5	< 5	2.51	13.2	1.56	< -0.79	9.99	< -3.88	C042940034
10/19/2004	< 1	< 5	< 5	< 5	< 5	2.99	11.8	1.63	< -2.19	< 0.172	< 4.34	C042940035
4/27/2005	< 1	< 5	< 5	< 5	< 5	3.67	7.9	0.692	< 0.794	5.87	< 10.7	C051170053
10/25/2005	< 1	< 5	< 5	< 5	< 5	1.49	5.25	0.714	< 2.1	< 5.13	< 8.07	C052990010
4/11/2006	< 1	< 5	< 5	< 5	< 5	2.55	6.79	0.419	< 2.13	< 5.53	< 0.686	C061020012
10/26/2006	< 1	< 5	< 5	< 5	< 5	4.32	5.55	0.472	< 2.45	< 5.05	< 13.9	C062990104
4/12/2007	< 1	< 5	< 5	< 5	< 5	13.5	7.9	0.279	< 6.28	< 4.88	< -3.22	C071030003
4/12/2007	< 1	< 5	< 5	< 5	< 5	7.87	6.28	0.286	8.77	< 7.36	< 7.1	C071030004
10/25/2007	< 1	< 1	< 1	< 1	< 1	5.46	4.1	0.217	< 2.24	< 2.43	< 1.88	C072980185
4/28/2008	< 1	< 1	< 1	< 5	< 1		0.947	0.183	< 1.35	< 4.02	< 2.67	C081200002
10/29/2008	< 1	< 1	< 1	< 5	< 1	3.36	3.64	0.256	< 2.88	< 4.82	< 0.645	C08304013005
4/30/2009	< 1	< 1	< 1	< 1	< 1	4	3.56	0.19	< 2.62	5.57	< 10.1	C09120016002
10/19/2009	1.3	< 1	< 1	< 1	< 1	3.55	3.04	0.299	< 1.6	< 4.25	< -0.283	C09292035005
4/20/2010	< 1	< 5	< 1	< 5	< 1	11.5	22	0.262	9.17	8.43	< 10	C10110009003
10/13/2010	< 1	< 5	< 1	< 5	< 1	9.93	13.8	0.233	8.01	9.96	< -7.65	C10286021001
4/26/2011	< 1	< 5	< 1	< 5	< 1	4.7	8.17	0.154	< -0.331	< 5.11	< -7.02	C11116009004
4/26/2011	< 1	< 5	< 1	< 5	< 1	4.48	7.89	0.155	< 0.101	5.63	< -3.92	C11116009005
10/19/2011	< 1	< 5	< 1	< 1	< 1	2.86	7.14	0.188	< 2.34	9.7	< 2.78	C11292015005
4/24/2012	< 1	< 1	< 1	< 1	< 1	4.39	7.54	0.167	< 3.64	< 3.59	< -0.511	C12115011004
4/24/2012	< 1	< 1	< 1	< 1	< 1	3.92	6.46	0.118	< 6.28	< 5.53	< 7.1	C12115011005
10/29/2012	< 1	< 1	< 1	< 1	< 1	2.12	3.89	0.143	< 0.405	< 3.49	< -8.39	C12303019005
4/23/2013	< 1	< 1	< 1	< 1	< 1	2.65	4.66	0.116	< 4.97	< 3.39	< -3.25	C13113014001
4/23/2013	< 1	< 1	< 1	< 1	< 1	2.77	3.82	0.107	< 1.89	< 3.93	< -1.43	C13113014002
10/21/2013	< 1	< 1	< 1	< 1	< 1	8.79	6.63	0.185	< 4.86	4.56	< 4.93	C13294037005
4/29/2014	< 1	< 1	< 1	< 1	< 1	3.92	9.31	0.138	9.05	7.89	< 1.14	347676001
4/29/2014	< 1	< 1	< 1	< 1	< 1	4.42	10.1	0.139	6.34	9.4	< -2.93	347676003
10/7/2014	< 1	< 1	< 1	< 1	< 1	3.61	8.09	0.253	< 0.965	< 11	< 3.57	358703007
4/28/2015	0.87	12.6	7.7	< 1	< 1	1.37	3.05	0.116	< 0.878	< 5.5	< -0.00901	371985005
4/28/2015	< 1	< 1	< 1	< 1	< 1	0.906	1.78	0.0971	< -1.64	< 5.21	< -3.42	371985007
10/27/2015	< 1	< 1	< 1	< 1	< 1	1.71	4.22	0.138	< 2.02	< 3.58	< -0.265	384156007
4/13/2016	< 1	< 1	< 1	< 1	< 1	2.07	4.76	0.153	< 10	26	< -15.1	395245007

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C-746-K Landfill Monitoring

Water Quality Records for

Sample Date Range: 5/31/1994 - 4/2/2019

MW344

Sample Date	Organic Laboratory Analysis Results					Inorganic Laboratory Analysis Results			Radiological Laboratory Analysis Results			Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Al mg/L	Fe mg/L	Mn mg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	
10/11/2016	< 1	< 1	< 1	< 1	< 1	1.46	3.17	0.125	< -3.18	< 0.375	< 0.299	407853007
4/6/2017	< 1	< 1	< 1	< 1	< 1	3.31	6.42	0.129	< -7.42	< 2.91	< 5.27	420096005
4/6/2017	< 1	< 1	< 1	< 1	< 1	3.94	8.11	0.139	< -4.29	10.7	< 6.53	420096007
10/6/2017	< 1	< 1	< 1	< 1	< 1	11	21.9	0.249	< 8.2	16.1	< 1.81	434592007
4/9/2018	< 1	< 1	< 1	< 1	< 1	10.8	18.4	0.182	< 10	< 7.56	< 0.551	447581005
4/9/2018	< 1	< 1	< 1	< 1	< 1	8.39	15.3	0.162	< 7.02	12.8	< 15.9	447581007
10/11/2018	< 1	< 1	< 1	< 1	< 1	3.64	6.4	0.124	< 2.55	< 5.25	< -7.53	461582007
4/2/2019	< 1	< 1	< 1	< 1	< 1	3.54	6.23	0.0902	< 5.71	< 3.96	< 11.9	475418007

Wednesday, October 02, 2019

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APPENDIX D

ADMINISTRATIVE RECORD, POST-DECISION RECORD, AND ADMINISTRATIVE RECORD REFERENCE INDICES

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Paducah Documents Added to the Administrative Record Files- Second Quarter CY2019

Document Status	Document Date	Document ID	Title	Author Affiliation	To Affiliation	Protected Information	Name
ARF 400OUREMEDIAL	5/10/2019	FR-19-0226	SUBMITTAL OF COMMENTS TO THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN FOR THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2433&D1)	KDEP	DOE	**NO**	ENV 1.A-01680
ARF 400OUREMEDIAL	5/22/2019	FR-19-0231, DOE/LX/07-2433&D1, PPPO-02-5267944-19	EPA COMMENTS: REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN FOR THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, (DOE/LX/07-2433&D1), PRIMARY DOCUMENT, TRANSMITTAL DATED NOVEMBER 19, 2018 (PPPO-02-5267944-19)	USEPA-4	DOE	**NO**	ENV 1.A-01681
ARF 400OUREMOVAL	3/6/2019	PPPO-02-5462529-19, DOE/LX/07-2425&D2	ELEVATION TO THE SENIOR EXECUTIVE COMMITTEE THE FORMAL DISPUTE CONCERNING THE U.S. ENVIRONMENTAL PROTECTION AGENCY CONDITIONAL CONCURRENCE ON THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-2425&D2	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01650
ARF ARR	4/7/1992	N/A	EXTENSION REQUEST (REVIEW OF PHASE II RISK ASSESSMENT AND ALTERNATIVE EVALUATION REPORTS)	DOE	KDEP	**NO**	ENV 1.A-01683
ARF ARR	2/5/2019	PPPO-02-5408578-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE DISPUTE RESOLUTION COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-2425&D2	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01625
ARF ARR	2/5/2019	PPPO-02-5408596-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FISCAL YEAR 2018 (DOE/LX/07-2418&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01626
ARF ARR	02/05/19	PPPO-02-5409117-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01627
ARF ARR	02/05/19	PPPO-02-5409188-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE DISPUTE RESOLUTION COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-2425&D2	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01628
ARF ARR	02/07/19	FR-19-0195	REQUEST FOR EXTENSION OF THE TIME PERIOD FOR RESOLUTION OF THE FORMAL DISPUTE ON THE FISCAL YEAR 2018 SITE MANAGEMENT PLAN FOR THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2418&D2) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, #KY8-890-008-982	KDEP	USEPA-4, KDEP, DOE	**NO**	ENV 1.A-01629

Paducah Documents Added to the Administrative Record Files- Second Quarter CY2019

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ARF ARR	2/14/2019	PPPO-02-5428436-19	PADUCAH FEDERAL FACILITY AGREEMENT DRAFT INTEGRATED PRIORITY LIST AND ASSESSMENT OF BUDGET TARGETS ON SITE PRIORITIES FOR FISCAL YEAR 2021	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01631
ARF ARR	2/7/2019	FR-19-0196	APPROVAL OF THE REVISED SOLID WASTE MANAGEMENT ASSESSMENT REPORT (SAR) FOR SOLID WASTE MANAGEMENT UNIT (SWMU) 513 (DOE/LX/07-2438&D1) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, KY8-890-008-982	KDEP	DOE	**NO**	ENV 1.A-01630
ARF ARR	2/18/2019	FR-19-0198	REQUEST FOR EXTENSION OF THE TIME PERIOD FOR RESOLUTION OF THE FORMAL DISPUTE ON THE FISCAL YEAR 2018 SITE MANAGEMENT PLAN FOR THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2418&D2) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, #KY8-890-008-982	KDEP	USEPA-4, KDEP, DOE	**NO**	ENV 1.A-01632
ARF ARR	2/27/2019	PPPO-02-5405899-19B	C-404-HAZARDOUS WASTE LANDFILL ALTERNATE SOURCE DEMONSTRATION-SOURCE OF LEAD AND URANIUM IN MW 87 AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, FRNP-RPT-0078, HAZARDOUS WASTE MANAGEMENT FACILITY PERMIT NUMBER KY8-890-008-982, AGENCY INTEREST NO. 3059	DOE	KDEP	**NO**	ENV 1.A-01633
ARF ARR	3/1/2019	PPPO-02-5460036-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE DISPUTE RESOLUTION COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-2425&D2	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01634
ARF ARR	03/01/19	PPPO-02-5461022-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01635
ARF ARR	03/01/19	PPPO-02-5462006-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FISCAL YEAR 2018 (DOE/LX/07-2418&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01636
ARF ARR	03/08/19	PPPO-02-5468988-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FISCAL YEAR 2018 (DOE/LX/07-2418&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01637
ARF ARR	3/8/2019	PPPO-02-5471831-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01638

Paducah Documents Added to the Administrative Record Files- Second Quarter CY2019

Document Status	Document Date	Document ID	Title	Author Affiliation	To Affiliation	Protected Information	Name
ARF ARR	3/25/2019	FR-19-0206	REQUEST FOR EXTENSION OF THE TIME PERIOD FOR RESOLUTION OF THE FORMAL DISPUTE ON THE FISCAL YEAR 2018 SITE MANAGEMENT PLAN FOR THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2418&D2) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, #KY8-890-008-982	KDEP	USEPA-4, KDEP, DOE	**NO**	ENV 1.A-01639
ARF ARR	3/25/2019	FR-19-0207	EXTENSION NOTIFICATION FOR SUBMITTAL OF COMMENTS TO THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN FOR THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2433&D1) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, #KY8-890-008-982	KDEP	DOE	**NO**	ENV 1.A-01640
ARF ARR	3/26/2019	FR-19-0210	EXTENSION NOTIFICATION FOR SUBMITTAL OF EPA COMMENTS: REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN FOR THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, (DOE/LX/07-2433&D1), PRIMARY DOCUMENT, TRANSMITTAL DATED NOVEMBER 21, 2018 (PPPO-02-5267944-19)	USEPA-4	DOE	**NO**	ENV 1.A-01641
ARF ARR	3/26/2019	PPPO-02-5444268-19	PADUCAH FEDERAL FACILITY AGREEMENT FISCAL YEAR 2020 PRESIDENT'S BUDGET	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01642
ARF ARR	3/28/2019	FR-19-0212	APPROVAL OF THE C-404 HAZARDOUS WASTE LANDFILL ALTERNATE SOURCE DEMONSTRATION - SOURCE OF LEAD AND URANIUM IN MW-87 (FRNP-RPT-0078) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, KY8-890-008-982	KDEP	DOE	**NO**	ENV 1.A-01643
ARF ARR	4/4/2019	PPPO-02-5516127-19	PADUCAH FEDERAL FACILITY AGREEMENT- SIGNED MEMORANDUM OF AGREEMENT FOR RESOLUTION OF FORMAL DISPUTE CONCERNING KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION NONCONCURRENCE AND U.S. ENVIRONMENTAL PROTECTION AGENCY CONDITIONS SUBMITTED ON THE SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FISCAL YEAR 2018, DOE/LX/07-2418&D2	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01644
ARF ARR	4/4/2019	PPPO-02-5517436-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01645
ARF ARR	04/04/19	PPPO-02-5517559-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FISCAL YEAR 2018 (DOE/LX/07-2418&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01646
ARF ARR	04/04/19	PPPO-02-5518521-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE DISPUTE RESOLUTION COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-2425&D2	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01647

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ARF ARR	03/20/19	PPPO-02-5489833-19	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FISCAL YEAR 2018 (DOE/LX/07-2418&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01648
ARF ARR	04/05/19	FR-19-0214	PADUCAH FEDERAL FACILITY AGREEMENT FISCAL YEAR 2020 INTEGRATED PRIORITY LIST AND ASSESSMENT OF BUDGET TARGET ON SITE PRIORITIES PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, #KY8-890-008-982	KDEP	DOE	**NO**	ENV 1.A-01658
ARF ARR	04/26/19	FR-19-0219	EPA ACKNOWLEDGEMENT OF RECEIPT: METHODS FOR CONDUCTING RISK ASSESSMENT AND RISK EVALUATION AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, VOLUME 2, ECOLOGICAL (DOE/LX/07-0107&D2/R3/V2), TRANSMITTAL DATED APRIL 25, 2019 (PPPO-02-5360343-19)	USEPA-4	DOE	**NO**	ENV 1.A-01660
ARF ARR	04/26/19	PPPO-02-5529263-19, DOE/LX/07-2418&D2/R1	TRANSMITTAL OF THE D2/R1 SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FISCAL YEAR 2018 AND FISCAL YEAR 2019 (DOE/LX/07-2418&D2/R1)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01661
ARF ARR	05/10/19	PPPO-02-5571084-19, DOE/LX/07-2420&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01674
ARF ARR	05/17/19	PPPO-02-5581251-19, DOE/LX/07-2420&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01675
ARF ARR	05/17/19	PPP0-02-5590613-19, DOE/LX/07-2425&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2425&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01676
ARF ARR	05/29/19	FR-19-0233, DOE/LX/07-0107&D2/R3/V2	APPROVAL OF THE METHODS FOR CONDUCTING RISK ASSESSMENTS AND RISK EVALUATIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT - ECOLOGICAL (DOE/LX/07-0107&D2/R3/V2) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, KY8-890-008-982	KDEP	DOE	**NO**	ENV 1.A-01677
ARF ARR	06/10/19	PPPO-02-5621482-19, DOE/LX/07-2420&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01678

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ARF ARR	06/10/19	PPPO-02-5622867-19, DOE/LX/07-2425&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2425&D2)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01679
ARF ARR	05/09/19	FR-19-0224, DOE/LX/07-2418&D2/R1	EPA COMMENTS: SITE MANAGEMENT PLAN, ANNUAL REVISION - FY18 AND FY19, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2418&D2/R1), TRANSMITTAL DATED APRIL 26, 2019 (PPPO-02-5529263-19)	USEPA-4	DOE	**NO**	ENV 1.A-01672
ARF ARR	05/10/19	FR-19-0225, DOE/LX/07-2418&D2/R1	SUBMITTAL OF COMMENTS TO THE 2018/2019 SITE MANAGEMENT PLAN ANNUAL REVISION AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2418&D2/R1) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, #KY8-890-008-982	KDEP	DOE	**NO**	ENV 1.A-01673
ARF ARR	01/16/19	FR-19-0191, DOE/LX/2429&D1, DOE/LX/07-2182&D1	APPROVAL OF THE REVISED SOLID WASTE MANAGEMENT ASSESSMENT REPORT (SAR) FOR SOLID WASTE MANAGEMENT UNIT (SWMU) 478 (DOE/LX/2429&D1) AND ACKNOWLEDGEMENT OF THE STATUS OF SWMU 513 (DOE/LX/07-2182&D1) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, KY8-890-008-982	KDEP	DOE	**NO**	ENV 1.A-01623
ARF ARR	01/08/19	PPPO-02-5322528-19, BJC/PAD-691/R1	CONCURRENCE ON CURRENT RECORDATION FORMAT REQUIREMENTS FOR THE CULTURAL RESOURCES MANAGEMENT PLAN FOR THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, BJC/PAD-691/R1	DOE	KHC	**NO**	ENV 1.A-01622
ARF ARR	12/20/18	PPPO-02-5210639-19, DOE/LX/07-2182&D1	C-410/420 FEED PLANT BUILDING SLAB AND UNDERLYING SOILS, REVISED SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT (DOE/LX/07-2429&D1) FOR SOLID WASTE MANAGEMENT UNIT 478	DOE	USEPA-4, KDEP	**NO**	ENV 1.A-01608
ARF ARR	01/30/19	PPPO-02-5323273-19B, DOE/LX/2438&D1	SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 513, C-411 CELL MAINTENANCE ROOM SUMP, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/2438&D1)	DOE	USEPA-4, KDEP	**NO**	ENV 1.A-01624
ARF ARR	11/19/18	PPP0-02-5267944-19, DOE/LX/07-2433&D1, FR-19-0176	TRANSMITTAL OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN FOR THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2433&D1)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01606
ARF ARR	07/30/18	DOE/LX/07-2413&D2, FR-19-0179	TRANSMITTAL OF THE REVISED METHODS FOR CONDUCTING RISK ASSESSMENTS AND RISK EVALUATIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, VOLUME 1, HUMAN HEALTH (DOE/LX/07-0107&D2/R9/V1)	DOE	KDEP, USEPA-4	**NO**	ENV 1.A-01599
ARF ARR,C-410-PD	04/26/19	FR-19-0218	EPA REGION 4 COMMENTS ON: STATUS OF SOLID WASTE MANAGEMENT UNIT 513 AND TRANSMITTAL OF ERRATA PAGES AND COMPLETE CORRECTED DOCUMENT OF THE REMOVAL ACTION REPORT FOR THE C-410 COMPLEX INFRASTRUCTURE DECONTAMINATION AND DECOMMISSIONING PROJECT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2182&D1 ERRATA AND DOE/LX/07-2182&D1 SECOND ERRATA) (PPPO-02-5316179-19) TRANSMITTAL	USEPA-4	DOE	**NO**	ENV 1.A-01659
ARF NSDD 3/4/5	01/06/06	LTR-PAD/EP-AC-06-001	SUBMITTAL OF THE SURFACE WATER OPERABLE UNIT (SWOU) SITE INVESTIGATION (SI)/BASELINE RISK ASSESSMENT REPORT SCHEDULE	BJC	DOE	**NO**	I-04807-0037
ARF SWP	02/04/11	02/07/11	CAB RECOMMENDATIONS ON DELAY OF SOUTHWEST PLUME PROJECT	CAB	DOE	**NO**	ENV 1.A-01667

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ARF SWP	07/27/10	DOE/LX/07-2223&D2	CONDITIONAL CONCURRENCE OF THE PROPOSED REMEDIAL ACTION PLAN FOR TRICHLOROETHENE SOURCES TO THE SOUTHWEST PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY: (1) SOLID WASTE MANAGEMENT UNIT 1, (2) C-720 BUILDING AREA, AND (3) PART OF SOLID WASTE MANAGEMENT UNIT 102 (DOE/LX/07-2223&D2)	KDEP	DOE	**NO**	ENV 1.A-01668
ARF WDA	10/01/03	DOE/OR/07-2097&D2	TECHNICAL MEMORANDUM FOR THE C-746-U LANDFILL FAULT STUDY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	SAIC	DOE	**NO**	ENV 1.A-01649
ARF WDA	07/11/12	N/A	PADUCAH WASTE DISPOSAL ALTERNATIVES BRIEFING - DR. LEN PETERS, SECRETARY - KENTUCKY ENERGY AND ENVIRONMENT CABINET	DOE		**NO**	ENV 1.A-01666

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ARF ARR,C-410-PD	4/26/2019	FR-19-0218	EPA REGION 4 COMMENTS ON: STATUS OF SOLID WASTE MANAGEMENT UNIT 513 AND TRANSMITTAL OF ERRATA PAGES AND COMPLETE CORRECTED DOCUMENT OF THE REMOVAL ACTION REPORT FOR THE C-410 COMPLEX INFRASTRUCTURE DECONTAMINATION AND DECOMMISSIONING PROJECT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2182&D1 ERRATA AND DOE/LX/07-2182&D1 SECOND ERRATA) (PPPO-02-5316179-19) TRANSMITTAL	USEPA-4	DOE		ENV 1.A-01659
C-410-PD	1/16/2019	FR-19-0192	ACKNOWLEDGEMENT OF THE INCORPORATION OF ERRATA PAGES INTO THE REMOVAL ACTION REPORT FOR THE C-410 COMPLEX INFRASTRUCTURE DECONTAMINATION AND DECOMMISSIONING PROJECT AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2182&D1) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, #KY8-890-008-982	KDEP	DOE		ENV 1.A-01651
NSDD-PD	5/2/2019	20190502 NSDD-PD	WALKTHROUGH CHECKLIST-NORTH-SOUTH DIVERSION DITCH	FRNP	ADMIN RECORD		ENV 1.A-01682
NSDD-PD	3/7/2019	20190307 NSDD-PD	WALK-THROUGH CHECKLIST AND WINTERIZATION CHECKLIST - NORTH-SOUTH DIVERSION DITCH (NSDD) WEEKLY AND STORM EVENT INSPECTION-MARCH 2019	FRNP	ADMIN RECORD		ENV 1.A-01662
NSDD-PD	10/4/2018	20181004 NSDD-PD	WALK-THROUGH CHECKLIST AND WINTERIZATION CHECKLIST - NORTH-SOUTH DIVERSION DITCH (NSDD) WEEKLY AND ANNUAL INSPECTION-OCTOBER 2018	FRNP	ADMIN RECORD		ENV 1.A-01653
NSDD-PD	11/1/2018	20181101 NSDD-PD	WALK-THROUGH CHECKLIST AND WINTERIZATION CHECKLIST - NORTH-SOUTH DIVERSION DITCH (NSDD) WEEKLY, QUARTERLY, AND STORM EVENT INSPECTION-NOVEMBER 2018	FRNP	ADMIN RECORD		ENV 1.A-01654
NSDD-PD	12/5/2018	20181205 NSDD-PD	WALK-THROUGH CHECKLIST AND WINTERIZATION CHECKLIST - NORTH-SOUTH DIVERSION DITCH (NSDD) WEEKLY INSPECTION-DECEMBER 2018	FRNP	ADMIN RECORD		ENV 1.A-01655
NSDD-PD	1/3/2019	20190103 NSDD-PD	WALK-THROUGH CHECKLIST AND WINTERIZATION CHECKLIST - NORTH-SOUTH DIVERSION DITCH (NSDD) WEEKLY INSPECTION-JANUARY 2019	FRNP	ADMIN RECORD		ENV 1.A-01656
NSDD-PD	2/7/2019	20190207 NSDD-PD	WALK-THROUGH CHECKLIST AND WINTERIZATION CHECKLIST - NORTH-SOUTH DIVERSION DITCH (NSDD) WEEKLY, QUARTERLY, SEMI-ANNUAL, AND STORM EVENT INSPECTION-FEBRUARY 2019	FRNP	ADMIN RECORD		ENV 1.A-01657
SWP-PD	1/20/2016	N/A	KY CONCURRENCE WITH THE 1-19-16 MW CONFIGURATION AND 11 POST TREATMENT SOIL SAMPLE LOCATIONS	KDEP	DOE		ENV 1.A-01671
SWP-PD	1/19/2016	N/A	POST-REMEDIAL SAMPLING OF THE C-747-C OIL LANDFARM, SWMU 1	DOE	ADMIN RECORD		ENV 1.A-01669
SWP-PD	1/21/2016	N/A	EPA CONCURRENCE WITH THE 1-19-16 MW CONFIGURATION AND 11 POST TREATMENT SOIL SAMPLE LOCATIONS	USEPA-4	DOE, KDEP		ENV 1.A-01670

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SWP-PD	4/29/2019	FR-19-0221	EPA COMMENTS: 30% REMEDIAL DESIGN REPORT FOR SWMU 211-A AND SWMU-211B FOR VOLATILE ORGANIC COMPOUND SOURCES TO THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2435&D1), TRANSMITTAL DATED JANUARY 30, 2019 (PPPO-02-5207306-19C)	USEPA-4	DOE		ENV 1.A-01664
SWP-PD	4/29/2019	FR-19-0220, DOE/LX/07-2435&D1	SUBMITTAL OF COMMENTS TO THE 30% REMEDIAL DESIGN REPORT FOR SWMU 211A AND SWMU 211B FOR VOLATILE ORGANIC COMPOUND SOURCES TO THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2435&D1) PADUCAH SITE, PADUCAH, MCCRACKEN COUNTY, KENTUCKY, #KY8-890-008-982	KDEP	DOE		ENV 1.A-01663
SWP-PD	1/30/2019	PPPO-02-5207306-19C, DOE/LX/07-2435&D1	TRANSMITTAL OF THE 30% REMEDIAL DESIGN REPORT FOR SWMU 211-A AND SWMU 211-B FOR VOLATILE ORGANIC COMPOUND SOURCES TO THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2435&D1)	DOE	KDEP, USEPA-4		ENV 1.A-01652

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ARF 1/7	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 1/7 - WAGS 1 & 7 IRA)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01759	8/21/2019
ARF 124	03/14/96	N/A	EXPEDITED DETERMINATION FOR WASTE AREA GROUPING (WAG) 17 RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) FACILITY INVESTIGATION (RFI) AT PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4	KDEP, DOE	I-00709-0091	7/9/2019
ARF 124	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 124 - TIME-CRITICAL REMOVAL ACTION FOR AREA OF CONCERN 124)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01770	8/21/2019
ARF 13	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 13 - WAG 13)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01764	8/21/2019
ARF 17	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 17 - ACO 124 WAG 17 CONCRETE RUBBLE PILES)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01765	8/21/2019
ARF 193	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 193 - SWMU 193 TIME-CRITICAL REMOVAL ACTION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01771	8/21/2019
ARF 23	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 23 - WAG 23 NON-TIME-CRITICAL REMOVAL ACTION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01766	8/21/2019
ARF 24	07/27/01	DOE/OR/07-1965&D1	RESPONSE TO COMMENTS ON THE ACTION MEMORANDUM FOR SCRAP METAL DISPOSITION AT THE PADUCAH GASEOUS DIFFUSION PLANT, MCCRACKEN COUNTY, KENTUCKY, PERMIT NUMBER KY8-890-008-982 (DOE/OR/07-1965&D1)	DOE	USEPA-4, KDEP	I-01713-0019	8/28/2019
ARF 24	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 24 - WAG 24 [SCRAP METAL DISPOSITION])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01767	8/21/2019
ARF 28	01/24/00	DOE/OR/07-1846&D1/V1-4, DOE/OR/07-1845&D1	D1 REMEDIAL INVESTIGATION REPORT (VOLUMES 1-4) FOR WASTE AREA GROUPING 28, AT THE PADUCAH GASEOUS DIFFUSION PLANT, PRIMARY DOCUMENT, JANUARY 2000, DOE/OR/07-1846&D1 AND DATA REPORT FOR THE SITEWIDE REMEDIAL EVALUATION FOR SOURCE AREAS CONTRIBUTING TO OFF-SITE GROUNDWATER CONTAMINATION AT THE PADUCAH GASEOUS DIFFUSION PLANT, SECONDARY DOCUMENT, JANUARY 2000, DOE/OR/07-1845&D1	DOE	USEPA-4, KDEP	I-04410-0001	7/29/2019
ARF 28	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 28 - NORTHEAST PLUME REMEDIAL ACTION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01768	8/21/2019

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ARF 3	5/7/1997	DOE/OR/07-1589&D1	DATA QUALITY OBJECTIVES (DQO) PREPARATION PACKAGE FOR WAG 3 BURIAL GROUNDS REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) WORK PLAN	DOE	KDEP, USEPA-4	I-04409-0025	8/6/2019
ARF 3	5/13/1997	DOE/OR/07-1589&D1	RESPONSE TO COMMENTS ON THE TECHNICAL SCOPING DOCUMENT REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN FOR WASTE AREA GROUP 3 AT PADUCAH GASEOUS DIFFUSION PLANT	DOE	USEPA-4	I-04409-0036	8/6/2019
ARF 3	05/23/97	N/A	WAG 3 AND WAGS 9 & 11 DATA	DOE	USEPA-4	I-04400-0056	8/6/2019
ARF 3	6/17/1997	N/A	WAG 3 DQO SCOPING MEETING AGENDA	DOE	N/A	I-04400-0058	8/6/2019
ARF 3	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 3 - WAG 3)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01760	8/21/2019
ARF 400OUREMOVAL	08/12/19	DOE/LX/07-2425&D2, DOE/LX/07-2420&D2, PPPO-02-5711247-19	PADUCAH FFA-SIGNED MEMORANDUM OF AGREEMENT FOR RESOLUTION OF FORMAL DISPUTES ON EPA CONDITIONAL CONCURRENCE ON THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PGDP, DOE/LX/07-2420&D2 AND THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT DOE/LX/07-2425&D2	DOE	USEPA-4, KDEP	ENV 1.A-01831	9/19/2019
ARF 400OUREMOVAL	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 400REMOVAL - C-400 COMPLEX OU REMOVAL [OU 07])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01779	8/21/2019
ARF 400OUREMOVAL	08/28/19	PPPO-02-5719764-19	PADUCAH FEDERAL FACILITY AGREEMENT-DRAFT MEMORANDUM REGARDING THE SUSPENSION OF THE DI AND D2 COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT DOCUMENTS ASSOCIATED WITH THE C-400 CLEANING BUILDING NON-TIME-CRITICAL REMOVAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE	USEPA-4, KDEP	ENV 1.A-01832	9/19/2019
ARF 400OUREMOVAL	09/11/19	FR-19-0265	EPA COMMENTS: PADUCAH FEDERAL FACILITY AGREEMENT - DRAFT MEMORANDUM REGARDING THE SUSPENSION OF THE D 1 AND D2 COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT DOCUMENTS ASSOCIATED WITH THE C-400 CLEANING BUILDING NON-TIME CRITICAL REMOVAL ACTION AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, TRANSMITTAL DATED AUGUST 28, 2019 (PPPO-02-5719764-19)	USEPA-4	DOE	ENV 1.A-01824	9/19/2019
ARF 400OUREMOVAL	09/16/19	FR-19-0266	KENTUCKY COMMENTS TO THE DRAFT MEMORANDUM REGARDING THE SUSPENSION OF THE D1 AND D2 COMPREHENSIVE ENIVRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA) DOCUMENTS ASSOCIATED WITH THE C-400 CLEANING BUILDING NON-TIME-CRITICAL REMOVAL ACTION	KDEP	DOE	ENV 1.A-01825	9/19/2019

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ARF 4-1	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 4-1 - PHASE 1 OF SWMU 4 [C-747 CONTAMINATED BURIAL YARD AND C-748-B BURIAL AREA])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01761	8/21/2019
ARF 55	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 55 - C-402 LIME HOUSE, C-746-A WEST END SMELTER AND C-405 INCINERATOR)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01769	8/21/2019
ARF 6	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 6 - WAG 6)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01762	8/21/2019
ARF 8	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF 8 - WAG 8)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01763	8/21/2019
ARF BGOU	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF BGOU - BURIAL GROUNDS OPERABLE UNIT)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01777	8/21/2019
ARF BGOU 2/3	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF BGOU 2/3 - BGOU SWMUs 2 AND 3)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01772	8/21/2019
ARF BGOU 2/3/7/30	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF BGOU 2/3/7/30 - BGOU SWMUs 2, 3, 7, AND 30)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01773	8/21/2019
ARF BGOU 4	5/7/1997	DOE/OR/07-1589&D1	DATA QUALITY OBJECTIVES (DQO) PREPARATION PACKAGE FOR WAG 3 BURIAL GROUNDS REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) WORK PLAN	DOE	KDEP, USEPA-4	I-04409-0025	8/6/2019
ARF BGOU 4	5/13/1997	DOE/OR/07-1589&D1	RESPONSE TO COMMENTS ON THE TECHNICAL SCOPING DOCUMENT REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN FOR WASTE AREA GROUP 3 AT PADUCAH GASEOUS DIFFUSION PLANT	DOE	USEPA-4	I-04409-0036	8/6/2019
ARF BGOU 4	05/23/97	N/A	WAG 3 AND WAGS 9 & 11 DATA	DOE	USEPA-4	I-04400-0056	8/6/2019
ARF BGOU 4	6/17/1997	N/A	WAG 3 DQO SCOPING MEETING AGENDA	DOE	N/A	I-04400-0058	8/6/2019
ARF BGOU 4	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF BGOU 4 - BGOU SWMU 4)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01774	8/21/2019
ARF BGOU 5/6	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF BGOU 5/6 - BGOU SWMUs 5 AND 6)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01775	8/21/2019

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ARF BGOU 9/10	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF BGOU 9/10 - BGOU SWMUS 9 AND 10 [C-746 S&T LANDFILLS])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01776	8/21/2019
ARF C-340	7/27/2009	DOE/LX/07-0184&D1	REMOVAL NOTIFICATION FOR DECOMMISSIONING OF THE C-340 METALS REDUCTION PLANT COMPLEX AND THE C-746-A EAST END SMELTER AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0184&D1)	KDEP	DOE	ENV 1.K.3-00625	7/29/2019
ARF C-340	8/20/2010	PPPO-02-982032-10	REQUEST FOR EXTENSION FOR COMPLETION OF CLOSURE ACTIVITIES AT C-746-A, HAZARDOUS WASTE STORAGE AND TREATMENT FACILITY, HAZARDOUS WASTE FACILITY PERMIT (KY8-890-008-982), AGENCY INTEREST NUMBER 3059	DOE	KDEP	ENV 1.K.3-00544	7/9/2019
ARF C-340	11/5/2010	KY-11-0031, DOE/LX/07-0344&D2	APPROVAL OF THE REMOVAL WORK PLAN FOR THE C-340 BUILDING COMPLEX AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-0344&D2)	USEPA-4	DOE	I-05616-0022	7/10/2019
ARF C-340	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF C-340 - C-340 URANIUM METAL PLANT COMPLEX, C-746-A EAST END SMELTER)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01778	8/21/2019
ARF C400SOURCE	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF C400SOURCE - C-400 SOURCE IRA [PHASES I AND IIA])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01780	8/21/2019
ARF C-410	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF C-410 - C-410 BUILDING DEMOLITION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01781	8/21/2019
ARF DM	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF DM - DRUM MOUNTAIN)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01782	8/21/2019
ARF ESA	1/16/2002	N/A	SUBMITTAL OF PROPOSED ADMINISTRATIVE RECORD FILE INDEX - GROUNDWATER OPERABLE UNIT EARLY SOURCE ACTION (C-720)	CJE	BJC	I-04613-0011	7/1/2019
ARF ESA	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF ESA - GWOU EARLY SOURCE ACTION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01783	8/21/2019
ARF GW2	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF GW2 - NORTHWEST PLUME BARRIER WALL)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01784	8/21/2019
ARF GW4	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF GW4 - NORTHWEST PLUME, DISSOLVED PHASE, FINAL REMEDIAL ACTION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01785	8/21/2019

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ARF LAS	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF LAS - SWMU 91, LASAGNA)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01786	8/21/2019
ARF MEGAWAG	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF MEGAWAG - WAGS 3, 8, AND 28)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01787	8/21/2019
ARF NEP PT	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF NEP PT - NORTHEAST PLUME PUMP AND TREAT IRA)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01788	8/21/2019
ARF NSDD	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF NSDD - NORTH-SOUTH DIVERSION DITCH SECTION 1 AND 2 [SWMU 59] SOIL AND SEDIMENT REMEDIATION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01791	8/21/2019
ARF NSDD 3/4/5	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF NSDD 3/4/5 - NSDD SECTIONS 3, 4, AND 5 [SWMU 58] AND OUTFALL DITCHES)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01789	8/21/2019
ARF NSDD IRA	5/5/1993	N/A	NOTICE OF TECHNICAL INADEQUACY ON DRAFT INTERIM CORRECTIVE MEASURES WORK PLAN FOR THE NORTH-SOUTH DIVERSION DITCH; VIRGINIA AVENUE TO C-616-C LIFT STATION AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP), PADUCAH KENTUCKY	USEPA-4	DOE, MMES	I-01921-0001	7/29/2019
ARF NSDD IRA	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF NSDD IRA - NSDD SECTIONS 1 AND 2 [SWMU 59] SOURCES IRAs)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01790	8/21/2019
ARF NWP	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF NWP - NORTHWEST PLUME REMEDIAL ACTION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01793	8/21/2019
ARF NWP PT	12/21/1992	N/A	RATIONALE FOR UTILIZING CERCLA REMOVAL DOCUMENTATION AND A REQUEST FOR EXTENSION FOR SUBMISSION OF THE MODIFIED WORK PLAN	DOE	USEPA-4, KDEP	I-00100-0033	7/9/2019
ARF NWP PT	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF NWP PT - NORTHWEST PLUME PUMP AND TREAT IRA)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01792	8/21/2019
ARF SCRAP	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF SCRAP - SCRAP YARDS INTERIM ACTION [WAG 24])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01794	8/21/2019
ARF SED	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF SED - SURFACE WATER OPERABLE UNIT, SEDIMENT CONTROLS)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01795	8/21/2019

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Document Status	Document Date	Document ID	Title	Author Affiliation	To Affiliation	Name	Date Added
ARF SOU	09/09/10	DOE/LX/07-0356&D1	COMMENTS ON THE REMOVAL ACTION REPORT FOR SOILS OPERABLE UNIT INACTIVE FACILITIES SOLID WASTE MANAGEMENT UNITS 19 AND 181 AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0356&D1)	USEPA-4	DOE	ENV 1.A-01745	8/15/2019
ARF SOU	9/10/2010	DOE/LX/07-0356&D1	COMMENTS TO THE REMOVAL ACTION REPORT FOR SOILS OPERABLE UNIT INACTIVE FACILITIES SOLID WASTE MANAGEMENT UNITS 19 AND 181 AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0356&D1)	KDEP	DOE	ENV 1.A-01746	8/13/2019
ARF SOU	10/26/2010	DOE/LX/07-0356&D2	APPROVAL OF THE REMOVAL ACTION REPORT FOR SOILS OPERABLE UNIT INACTIVE FACILITIES SOLID WASTE MANAGEMENT UNITS 19 AND 181 (DOE/LX/07-0356&D2)	KDEP	DOE	I-04916-0046	8/13/2019
ARF SOU	10/27/10	DOE/LX/07-0356&D2, KY-11-0017	APPROVAL OF THE REMOVAL ACTION REPORT FOR SOILS OPERABLE UNIT INACTIVE FACILITIES SOLID WASTE MANAGEMENT UNITS 19 AND 181 AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0356&D2)	USEPA-4	DOE	I-04916-0047	8/13/2019
ARF SOU	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF SOU - SOILS OPERABLE UNIT)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01796	8/21/2019
ARF SW1	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF SWI - SURFACE WATER [INSTITUTIONAL CONTROLS])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01797	8/21/2019
ARF SWMU27	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF SWMU27 - ARF 27 ACID NEUTRALIZATION TANK [C-722] TIME-CRITICAL REMOVAL ACTION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01798	8/21/2019
ARF SWOU	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF SWOU - SURFACE WATER OPERABLE UNIT)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01799	8/21/2019
ARF SWP	1/16/2002	N/A	SUBMITTAL OF PROPOSED ADMINISTRATIVE RECORD FILE INDEX - GROUNDWATER OPERABLE UNIT EARLY SOURCE ACTION (C-720)	CJE	BJC	I-04613-0011	7/1/2019
ARF SWP	2/1/2003	BJC/PAD-506	CONTAMINANT MIGRATION FROM SWMU 1 AND THE C-720 AREA AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	BJC	DOE	ENV 1.A-01686	7/9/2019
ARF SWP	3/23/2012	KY-12-0255, DOE/LX/07-0365&D2/R1	(KDEP) CONCURRENCE ON THE RECORD OF DECISION FOR SWMUs 1, 211-A, 211-B, AND PART OF 102 VOLATILE ORGANIC COMPOUND SOURCES FOR THE SOUTHWEST GROUNDWATER PLUME (DOE/LX/07-0365&D2/R1)	KDEP	DOE	ENV 1.A-00123	7/9/2019

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ARF SWP	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF SWP - SOUTHWEST PLUME SOURCES [SWMUs 1, 211-A, 211-B)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01800	8/21/2019
ARF TANKS	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF TANKS - TIME-CRITICAL REMOVAL ACTION FOR SULFURIC ACID TANKS)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01801	8/21/2019
ARF WDA	6/15/2010	N/A	PADUCAH WASTE DISPOSAL OPTIONS MEETING PREPARED FOR DR. LEN PETERS KENTUCKY ENERGY & ENVIRONMENT CABINET SECRETARY	DOE	KDEP	ENV 1.A-01723	7/23/2019
ARF WDA	10/28/10	DOE/LX/07-0099&D2/R1, KY-11-0021	NOTICE OF INFORMAL DISPUTE FOR THE WORK PLAN FOR THE CERCLA WASTE DISPOSAL ALTERNATIVES EVALUATION REMEDIAL INVESTIGATION/FEASIBILITY STUDY (DOE/LX/07-0099&D2/R1)	KDEP	DOE	I-05309-0033	7/10/2019
ARF WDA	10/28/10	KY-11-0022, DOE/LX/07-0099&D2, DOE/LX/07-0099&D2/R1	WITHDRAWAL OF EPA APPROVAL OF THE WORK PLAN FOR CERCLA WASTE DISPOSAL ALTERNATIVE EVALUATION RI/FS AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP) (DOE/LX/07-0099&D2) AFTER REVIEW OF THE WORK PLAN FOR CERCLA WASTE DISPOSAL ALTERNATIVE EVALUATION RI/FS AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP) (DOE/LX/OR-0099&D2/R1)	USEPA-4	DOE	I-05309-0034	7/10/2019
ARF WDA	08/16/19	N/A	SUSPENSION OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF WDA - CERCLA WASTE DISPOSAL ALTERNATIVES EVALUATION AT PGDP)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01802	8/21/2019
ARF WP	4/20/1993	DOE/OR/06-1142&D0	ENGINEERING EVALUATION/COST ANALYSIS FOR THE WATER POLICY AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	SAIC	DOE	I-02102-0052	7/25/2019
ARF WP	08/16/19	N/A	CLOSURE OF ADMINISTRATIVE RECORD FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (ARF WP - PGDP WATER POLICY)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01803	8/21/2019

Paducah Documents Added to the Post-Decision Files-Third Quarter CY2019

Document Status	Document Date	Document ID	Title	Author Affiliation	To Affiliation	Name	Date Added
1/7-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (1/7-PD - POST DECISION FILE FOR WAGS 1 AND 7 IRA)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01755	8/21/2019
124-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (124-PD - POST DECISION FILE FOR TIME-CRITICAL REMOVAL ACTION FOR AREA OF CONCERN 124)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01758	8/21/2019
24-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (24-PD - POST DECISION FILE FOR WAG 24 SCRAP METAL DISPOSITION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01756	8/21/2019
400OUREMOVAL-PD	08/16/19	N/A	SUSPENSION OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (400REMOVAL-PD - POST-DECISION FILE FOR C-400 COMPLEX OU REMOVAL [OU 07])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01806	8/21/2019
55-PD	11/13/06	DOE/LX/07-0002&D2	REMOVAL ACTION WORK PLAN FOR THE C-405 INCINERATOR AND C-746-A WEST END SMELTER INACTIVE FACILITY DECONTAMINATION & DECOMMISSIONING PROJECT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-0002&D2)	USEPA-4	DOE, PRS	I-05116-0098	7/29/2019
55-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (55-PD - POST DECISION FILE FOR C-402 LIME HOUSE, C-746-A SMELTER, AND C-405 INCINERATOR)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01757	8/21/2019
BGOU 2/3-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (BGOU 2/3-PD - POST-DECISION FILE FOR BGOU SWMUs 2 AND 3)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01804	8/21/2019
C-340-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (C-340-PD - POST DECISION FILE FOR C-340 URANIUM METAL PLANT COMPLEX, C-746-A EAST END SMELTER)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01805	8/21/2019

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C400SOURCE-PD	2/6/2018	PPPO-02-4472864-18C, DOE/LX/07-2417&D1	REMEDIAL ACTION COMPLETION REPORT FOR THE INTERIM REMEDIAL ACTION FOR THE GROUNDWATER OPERABLE UNIT FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-2417&D1	DOE	KDEP, USEPA-4	ADM 16.1.5.B-03354	7/8/2019
C400SOURCE-PD	7/2/2018	PPPO-02-4842399-18A, DOE/LX/07-2417&D2	REMEDIAL ACTION COMPLETION REPORT FOR THE INTERIM REMEDIAL ACTION FOR THE GROUNDWATER OPERABLE UNIT FOR THE VOLATILE ORGANIC COMPOUND CONTAMINATION AT THE C-400 CLEANING BUILDING AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-2417&D2	DOE	KDEP, USEPA-4	ADM 16.1.5.B-04682	7/19/2019
C400SOURCE-PD	09/11/18	20180911 NSDD-PD	C-400 LUCIP INSPECTIONS FOR SEPTEMBER 2018	SEATON J.	N/A	ENV 1.A-01815	9/19/2019
C400SOURCE-PD	09/09/19	20190909	C-400 LUCIP INSPECTION FOR SEPTEMBER 2019	FRNP	N/A	ENV 1.A-01818	9/19/2019
C400SOURCE-PD	09/11/19	SA-FY19-0090	C-400 AND NSDD LUCIP IMPLEMENTATION - FY 2020 SITE MANAGEMENT PLAN	FRNP	N/A	ENV 1.A-01834	9/19/2019
C-410-PD	06/03/16	DOE-LX/07-2182&D1	APPROVAL OF THE REMOVAL ACTION REPORT FOR THE C-410 COMPLEX INFRASTRUCTURE DECONTAMINATION AND DECOMMISSIONING PROJECT AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2182&D1)	KDEP	DOE	ENV 1.A-01127	7/29/2019
C-410-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (C-410-PD - POST-DECISION FILE FOR C-410 DEMOLITION)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01807	8/21/2019
C-410-PD	09/11/19	DOE/LX/07-2429&D1, FR-19-0267	EPA RESPONSE TO DEPARTMENT OF ENERGY CORRESPONDENCE (DOE/LX/07-2429&D1; JULY 19, 2019) REGARDING A NEW PROPOSAL TO MANAGE THE SWMU 513 SUMP AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	USEPA-4	DOE	ENV 1.A-01826	9/19/2019
DM-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DM-PD POST-DECISION FILE FOR DRUM MOUNTAIN)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01808	8/21/2019
LAS-PD	7/30/1998	N/A	CHARACTERIZATION SUMMARY FOR SOIL AND PLASTIC SHEETING FROM THE LASAGNA PHASE IIA INSTALLATION PROJECT AT SOLID WASTE MANAGEMENT UNIT (SWMU) 91 AT THE PADUCAH GASEOUS DIFFUSION PLANT	N/A	N/A	H-00015-0533	7/10/2019

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LAS-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (LAS-PD - POST-DECISION FILE FOR SWMU 91, LASAGNA)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01809	8/21/2019
NEP PT-PD	3/8/1996	LTR.KY/SE96-0022	RECORD OF CONVERSATION FOR 30 PERCENT DESIGN FROM THE COOLING TOWERS TO THE SECURITY FENCE FOR THE NORTHEAST PLUME INTERIM REMEDIAL ACTION	LMES	DOE	I-00215-0026	7/3/2019
NSDD 3/4/5-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (NSDD 3/4/5-PD - POST-DECISION FILE FOR NSDD SECTIONS 3, 4, AND 5 [SWMU 58] AND OUTFALL DITCHES)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01810	8/21/2019
NSDD IRA-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (NSDD IRA-PD - POST-DECISION FILE FOR NSDD SECTIONS 1 AND 2 [SWMU 59] SOURCE IRA)	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01811	8/21/2019
NSDD-PD	6/4/2002	N/A	[WHITE PAPER] PROPOSED CONTAINED-IN DETERMINATION DEPARTMENT OF ENERGY LEGACY WASTE SOILS EXCAVATED FROM OUTFALL 011 AND DISPOSED AT NEVADA TEST SITE PADUCAH GASEOUS DIFFUSION PLANT	DOE	KDEP	I-04802-0070	7/10/2019
NSDD-PD	11/4/2003	DOE/OR/07-1949&D2/R1	LAND USE CONTROL IMPLEMENTATION PLAN FOR THE NORTH SOUTH DIVERSION DITCH AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-1949&D2/R1)	USEPA-4	DOE, BJC	I-01900-0057	7/9/2019
NSDD-PD	06/02/11	N/A	C-400 NSDD LUCIP CERTIFICATION 2011 SMP	FRNP	N/A	ENV 1.A-01744	7/25/2019
NSDD-PD	12/26/2012	N/A	C-400 NSDD LUCIP CERTIFICATION 2013 SMP	FRNP	N/A	ENV 1.A-01742	7/25/2019
NSDD-PD	9/25/2014	N/A	C-400 NSDD LUCIP CERTIFICATION 2015 SMP	FRNP	N/A	ENV 1.A-01743	7/25/2019
NSDD-PD	11/10/2015	N/A	C-400 NSDD LUCIP CERTIFICATION 2016 SMP	FRNP	N/A	ENV 1.A-01739	7/25/2019
NSDD-PD	10/28/2016	N/A	C-400 NSDD LUCIP CERTIFICATION 2017 SMP	FRNP	N/A	ENV 1.A-01740	7/25/2019
NSDD-PD	9/18/2018	N/A	C-400 NSDD LUCIP CERTIFICATION 2019 SMP	FRNP	N/A	ENV 1.A-01741	7/25/2019
NSDD-PD	4/2/2019	20190402 NSDD-PD	WALKTHROUGH CHECKLIST NORTH-SOUTH DIVERSION DITCH (WEEKLY) - 4-2-2019	FRNP	N/A	ENV 1.A-01696	7/22/2019
NSDD-PD	6/6/2019	20190606 NSDD-PD	WALKTHROUGH CHECKLIST NORTH-SOUTH DIVERSION DITCH (WEEKLY) - 6-6-2019	FRNP	N/A	ENV 1.A-01697	7/22/2019

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NSDD-PD	07/02/19	20190702 NSDD-PD	C-400 INSPECTIONS FOR JULY 2019	FRNP	N/A	ENV 1.A-01816	9/19/2019
NSDD-PD	08/01/19	20190801	C-400 INSPECTIONS FOR AUGUST 2019	FRNP	N/A	ENV 1.A-01817	9/19/2019
NSDD-PD	09/11/19	SA-FY19-0090	C-400 AND NSDD LUCIP IMPLEMENTATION - FY 2020 SITE MANAGEMENT PLAN	FRNP	N/A	ENV 1.A-01834	9/19/2019
SCRAP-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (SCRAP-PD - POST-DECISION FILE FOR SCRAP YARDS INTERIM ACTION [WAG 24])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01812	8/21/2019
SWIC-PD	08/19/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (SWIC-PD - POST-DECISION FILE FOR SURFACE WATER [INSTITUTIONAL CONTROLS])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01813	8/21/2019
SWMU27-PD	08/16/19	N/A	CLOSURE OF POST-DECISION FILE AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (SWMU27-PD - POST DECISION FILE FOR SWMU 27 ACID NEUTRALIZATION TANK [C-722] TIME-CRITICAL REMOVAL ACTION])	ADMINISTRATIVE RECORD	ADMINISTRATIVE RECORD FILE	ENV 1.A-01814	8/21/2019
SWP-PD	10/21/03	KY-14-0583, DOE/LX/07-1276&D2/R1	EPA APPROVAL OF THE REMEDIAL DESIGN REPORT IN SITU SOURCE TREATMENT USING DEEP SOIL MIXING FOR THE SOUTHWEST GROUNDWATER PLUME VOLATILE ORGANIC COMPOUND SOURCE AT PGDP (DOE/LX/07-1276&D2/R1)	USEPA-4	DOE	ENV 1.A-00503	7/30/2019
SWP-PD	10/21/13	KY-14-0582, DOE/LX/07-1287&D1	EPA COMMENTS ON THE REMEDIAL ACTION WORK PLAN FOR IN SITU SOURCE TREATMENT BY DEEP SOIL MIXING OF THE SOUTHWEST GROUNDWATER PLUME VOLATILE ORGANIC SOURCE AT C-747-C OIL LANDFARM (SWMU 1) AT PGDP (DOE/LX/07-1287&D1)	USEPA-4	DOE	ENV 1.A-00502	7/30/2019
SWP-PD	3/10/2016	DOE/LX/07-1288&D2/A1	SUBMITTAL OF COMMENTS TO THE ADDENDUM TO THE FINAL CHARACTERIZATION REPORT FOR SOLID WASTE MANAGEMENT UNITS 211A AND 211B VOLATILE ORGANIC COMPOUND SOURCES FOR THE SOUTHWEST GROUNDWATER PLUME (DOE/LX/07-1288&D2/A1)	KDEP	DOE	DEAC-R-23894	7/9/2019
SWP-PD	6/28/2019	PPPO-02-5516357-19C, DOE/LX/07-2435&D1	TRANSMITTAL OF THE 60% REMEDIAL DESIGN REPORT FOR SWMU 211-A FOR VOLATILE ORGANIC COMPOUND SOURCES TO THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2435&D1)	DOE	KDEP, USEPA-4	ENV 1.A-01698	7/22/2019

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SWP-PD	08/16/19	DOE/LX/07-2435&D1, FR-19-0256	U.S. ENVIRONMENTAL PROTECTION AGENCY COMMENTS FOR THE 60% REMEDIAL DESIGN REPORT FOR SWMU 211-A, TO REMEDIATE VOLATILE ORGANIC COMPOUND SOURCES TO THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, SECONDARY DOCUMENT (DOE/LX/07-2435&D1), TRANSMITTAL DATE OF JUNE 28, 2019	USEPA-4	DOE	ENV 1.A-01820	9/19/2019
SWP-PD	08/16/19	DOE/LX/07-2435&D1, FR-19-0257	SUBMITTAL OF KENTUCKY COMMENTS TO THE 60% REMEDIAL DESIGN REPORT FOR SWMU 211A FOR VOLATILE ORGANIC COMPOUND SOURCES TO THE SOUTHWEST GROUNDWATER PLUME AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2435&D1)	KDEP	DOE	ENV 1.A-01821	9/19/2019

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ARF ARR	07/01/87	KY/B-262 & KY/B-263	PRELIMINARY ASSESSMENT PADUCAH GASEOUS DIFFUSION PLANT SOLID WASTE MANAGEMENT UNITS	MMES	DOE	LB09905-0164	7/17/2019
ARF ARR	04/23/91	N/A	JUSTIFICATION FOR CHANGE IN PHASE II SITE INVESTIGATION SCHEDULE FOR THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	KDEP, USEPA-4	I-02400-0650	7/18/2019
ARF ARR	01/25/93	N/A	MEETING NOTIFICATION - INTERIM CORRECTIVE MEASURES/INTERIM ACTION ROD HYDRAULIC CONTAINMENT OF GROUNDWATER U.S. DOE PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4	KDEP, DOE, MMES	I-00110-0040	7/8/2019
ARF ARR	10/20/93	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS (SAR) FOR SWMUS 186 THROUGH 196 AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP) PADUCAH, KENTUCKY EPA ID. NO. KY8 890 008 982	USEPA-4	DOE, MMES	A-00005-0679	7/25/2019
ARF ARR	02/03/94	N/A	SITE MANAGEMENT PLAN PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	USEPA-4	DOE, MMES	Q-00002-0229	7/25/2019
ARF ARR	02/21/95	N/A	RECORD OF CONVERSATION (ROC) SITE MANAGEMENT PLAN (SMP) SUBMITTAL DATE	DOE	USEPA-4, KDEP	Q-00002-0247	7/25/2019
ARF ARR	05/19/95	LTR.KY/ER95-0158	SOLID WASTE MANAGEMENT UNIT (SWMU) 203 ASSESSMENT REPORT FOR THE PADUCAH GASEOUS DIFFUSION PLANT	LMES	DOE	A-00005-0757	7/25/2019
ARF ARR	05/31/95	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT 203	DOE	USEPA-4, KDEP	A-00005-0774	7/25/2019
ARF ARR	07/21/95	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT 201 FOR THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	N/A	A-00005-0837A	7/18/2019
ARF ARR	07/21/95	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT 202 FOR THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	N/A	A-00005-0837B	7/18/2019
ARF ARR	08/29/96	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT (SAR) FOR AREA OF CONCERN (AOC) 205 FOR THE PGDP	DOE	USEPA-4, KDEP	A-00005-1147	7/25/2019
ARF ARR	01/13/97	N/A	PRELIMINARY ASSESSMENT/SITE INSPECTION REPORT AND SWMU ASSESSMENT REPORT 207	DOE	N/A	ENV 1.A-01716	7/22/2019
ARF ARR	01/16/97	N/A	REVISED PRELIMINARY ASSESSMENT/SITE INSPECTION REPORT AND SWMU ASSESSMENT REPORT, UNIT NAME: C-746-U CONTAINED LANDFILL SWMU 208	DOE	N/A	D-04300-0169	7/25/2019
ARF ARR	01/24/97	LTR.KY/EM97-0010	NOTIFICATION OF NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNITS (SWMU'S) AND THEIR ASSOCIATED SWMU ASSESSMENT REPORTS (SARS) AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP), MCCRACKEN COUNTY KENTUCKY, HAZARDOUS WASTE MANAGEMENT	LMES	DOE	A-00005-1271	7/25/2019
ARF ARR	03/07/97	N/A	U.S. DEPARTMENT OF ENERGY PADUCAH GASEOUS PLANT (PGDP): SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS (SARS) FOR SWMU 206, 207, AND 208	KDEP	DOE, LMES	A-00005-2053	7/25/2019
ARF ARR	01/13/98	DOE/OR/07-1780&D1	SITE MANAGEMENT PLAN PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-1780&D1)	USEPA-4	DOE, BJC	A-00002-1142	7/25/2019

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ARF ARR	04/01/98	N/A	MAJOR MODIFICATION #14 - ADDITION OF BECHTEL JACOBS COMPANY LLC AND REMOVAL OF LOCKHEED MARTIN ENERGY SYSTEMS INC. AS CO-OPERATOR	KDEP	DOE, BJC	ENV 1.J.1-01365	7/22/2019
ARF ARR	11/10/98	DOE/OR/07-1780&D1, LTR-PAD/SRA-DL-98-0038	D1 1998 ANNUAL REVISION OF THE PADUCAH SITE MANAGEMETN PLAN (DOE/OR/07-1780&D1)	DOE	KDEP, USEPA-4	Q-00002-0454	7/9/2019
ARF ARR	11/19/98	N/A	MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT APPENDIX C OF THE FFA AND APPENDIX VIII OF THE SMP	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01725	7/23/2019
ARF ARR	12/22/98	DOE/OR/07-1780&D1	COMMENTS ON THE FEDERAL FACILITY AGREEMENT, SITE MANAGEMENT PLAN FOR THE PGDP, PADUCAH KENTUCKY (DOE/OR/07-1780&D1), NOVEMBER 1998. KY8-890-008-982, MCCRACKEN COUNTY	KDEP	DOE, BJC	A-00002-1100	7/23/2019
ARF ARR	02/18/99	N/A	U. S. DEPARTMENT OF ENERGY, PADUCAH GASEOUS DIFFUSION PLANT: FEDERAL FACILITY AGREEMENT, SITE MANAGEMENT PLAN	KDEP	DOE, BJC	I-02001-0154	7/8/2019
ARF ARR	06/24/99	DOE/OR/07-1780&D2	FEDERAL FACILITIES AGREEMENT MODIFICATIONS	DOE	USEPA-4, KDEP	I-02001-0161	7/8/2019
ARF ARR	08/18/99	N/A	APPROVAL OF THE U.S. DEPARTMENT OF ENERGY, PADUCAH GASEOUS DIFFUSION PLANT: FEDERAL FACILITY AGREEMENT, SITE MANAGEMENT PLAN MCCRACKEN COUNTY, KENTUCKY	KDEP	USEPA-4, DOE	I-02001-0187	7/8/2019
ARF ARR	11/15/1999	DOE/OR/07-1849&D1	SITE MANAGEMENT PLAN, FISCAL YEAR 2000 ANNUAL REVISION (DOE/OR/07-1849&D1)	DOE	USEPA-4, KDEP	A-00002-1148	7/9/2019
ARF ARR	11/18/99	N/A	ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 4 AT THE PADUCAH GASEOUS DIFFUSION PLANT, MCCRACKEN COUNTY, KENTUCKY	DOE	USEPA-4, KDEP	I-05202-0008	7/10/2019
ARF ARR	12/09/99	LTR-PAD/EC-SH-99-0218	NOTIFICATION OF A NEWLY IDENTIFIED AREA OF CONCERN (AOC 212) AND THE SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT (SAR) AT THE PADUCAH GASEOUS DIFFUSION PLANT, PERMIT NUMBER KY8-890-008-982, MCCRACKEN COUNTY, KENTUCKY	BJC	DOE	I-01702-0004	7/18/2019
ARF ARR	02/02/00	DOE/OR/07-1849&D1	ENFORCEABLE COMMITMENTS DOE-PGDP SITE MANAGEMENT PLAN, ANNUAL REVISION-FY2000 (DOE/OR/07-1849&D1)	KDEP	DOE, BJC	A-00002-1154	7/3/2019
ARF ARR	02/04/00	DOE-PAD-99-0025, LTR-PAD/SRA-AS-00-0005	REVISED SET OF ENFORCEABLE COMMITMENTS, SITE MANAGEMENT PLAN ANNUAL REVISION FY 2000	BJC	DOE	A-00002-1155	7/3/2019
ARF ARR	02/08/00	DOE/OR/07-1849&D1	APPENDIX V - ENFORCEABLE COMMITMENTS DOE-PGDP SITE MANAGEMENT PLAN, ANNUAL REVISION-FY2000 (DOE/OR/07-1849&D1)	USEPA-4	DOE, BJC	A-00002-1153	7/3/2019
ARF ARR	02/18/00	N/A	PADUCAH FEDERAL FACILITY AGREEMENT, APPENDIX V - ENFORCEABLE COMMITMENTS	DOE	USEPA-4, KDEP	A-00002-1156	7/3/2019
ARF ARR	03/09/00	N/A	NOTIFICATION OF INVOCATION OF INFORMAL DISPUTE FEDERAL FACILITY AGREEMENT APPENDIX V - ENFORCEABLE COMMITMENTS (BY LETTER OF 2/18/00 FROM JACKSON TO FROEDE AND WELCH) U.S. DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4, KDEP	DOE, BJC	I-02001-0206	7/8/2019

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ARF ARR	03/29/00	N/A	SURFACE WATER AND SURFACE SOILS OPERABLE UNIT SCHEDULE ADJUSTMENTS	DOE	KDEP, USEPA-4	I-04802-0005	7/9/2019
ARF ARR	04/10/00	N/A	PROPOSED FEDERAL FACILITIES AGREEMENT MODIFICATION - APPENDIX C (CURRENT YEAR TIMETABLES AND DEADLINES)	DOE	KDEP, USEPA-4	I-02001-0212	7/23/2019
ARF ARR	04/17/00	N/A	[SIGNED COPY OF MODIFICATION TO THE FFA ADDRESSING] SURFACE WATER AND SURFACE SOILS OPERABLE UNIT SCHEDULE ADJUSTMENTS	USEPA-4	DOE, KDEP	I-04800-0160	7/9/2019
ARF ARR	04/24/00	N/A	APPROVAL OF FEDERAL FACILITY AGREEMENT FISCAL YEAR 2000 COMMITMENTS U.S. DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4	DOE, BJC	I-02001-0213	7/8/2019
ARF ARR	4/24/2000	N/A	APPROVAL OF FEDERAL FACILITY AGREEMENT FISCAL YEAR 2000 ENFORCEABLE COMMITMENTS U.S. DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE, BJC	I-02001-0215	7/8/2019
ARF ARR	04/26/00	DOE/OR/07-1871/V1	U.S. DEPARTMENT OF ENERGY (DOE) PGDP FEDERAL FACILITY AGREEMENT (FFA) SEMIANNUAL PROGRESS REPORT FISCAL YEAR 2000	BJC	DOE	I-02023-0005	7/10/2019
ARF ARR	5/2/2000	N/A	APPROVAL OF FEDERAL FACILITY AGREEMENT FISCAL YEAR 2000 ENFORCEABLE COMMITMENTS U.S. DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4	DOE, BJC	I-02001-0219	7/8/2019
ARF ARR	07/17/00	N/A	1998 FEDERAL FACILITY AGREEMENT OF THE PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4, DOE, KDEP	USEPA	ENV 1.A-01700	7/22/2019
ARF ARR	07/20/00	N/A	FEDERAL FACILITY AGREEMENT MILESTONES AND PRIORITIES PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4	DOE, KDEP	I-02001-0225	7/8/2019
ARF ARR	9/22/2000	N/A	FEDERAL FACILITY AGREEMENT ENFORCEABLE TIMETABLE AND DEADLINES, FISCAL YEAR 2001 AND FISCAL YEAR 2002	DOE	USEPA-4, KDEP	I-02001-0229	7/8/2019
ARF ARR	9/22/2000	N/A	FEDERAL FACILITY AGREEMENT ENFORCEABLE TIMETABLE AND DEADLINES - FISCAL YEAR 2001 AND FISCAL YEAR 2002	DOE	USEPA-4, KDEP	I-02001-0369	7/9/2019
ARF ARR	09/29/00	N/A	APPROVAL OF MINOR MODIFICATION - FEDERAL FACILITY AGREEMENT ENFORCEABLE TIMETABLE AND DEADLINES - FISCAL YEAR 2001 AND FISCAL YEAR 2002	USEPA-4, KDEP	DOE	I-02001-0233	7/3/2019
ARF ARR	9/29/2000	N/A	[SIGNATURE PAGES] FEDERAL FACILITY AGREEMENT ENFORCEABLE TIMETABLE AND DEADLINES - FISCAL YEAR 2001 AND FISCAL YEAR 2002	USEPA-4, KDEP	DOE	I-02001-0368	7/9/2019
ARF ARR	11/13/2000	N/A	FEDERAL FACILITIES AGREEMENT CONTROLLED COPY DISTRIBUTION -- FISCAL YEAR 2001 AND FISCAL YEAR 2002 ENFORCEABLE MILESTONES	DOE	DISTRIBUTION	I-02001-0370	7/9/2019
ARF ARR	11/14/00	N/A	SITE MANAGEMENT PLAN - FISCAL YEAR 2001 ANNUAL REVISION	DOE	USEPA-4, KDEP	A-00002-1164	7/9/2019
ARF ARR	12/01/00	N/A	SOLID WASTE MANAGEMENT UNITS ASSESSMENT (SWMU) REPORTS FOR SWMUS 213 THROUGH 359 PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	CDM	DOE	H-00000-0113	7/25/2019

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ARF ARR	12/06/00	N/A	REQUEST FOR EXTENSION SWOU N/S DITCH D1 REMEDIAL ALTERNATIVES ANALYSIS U.S. DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4	DOE	ENV 1.A-01720	8/13/2019
ARF ARR	12/11/00	DOE/OR/07-1849&D1	EXTENSION REQUEST FOR D1 SITE MANAGEMENT PLAN PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH KENTUCKY (DOE/OR/07-1849&D1)	USEPA-4	DOE, BJC	A-00002-1167	7/8/2019
ARF ARR	01/01/01	N/A	2001 FEDERAL FACILITY AGREEMENT OF THE PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4, DOE, KDEP	N/A	ENV 1.A-01701	7/22/2019
ARF ARR	01/09/01	DOE/OR/07-1849&D1	SITE MANAGEMENT PLAN - ANNUAL REVISION FY 2001 PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH KENTUCKY (DOE/OR/07-1849&D1)	USEPA-4	DOE, BJC	A-00002-1168	7/8/2019
ARF ARR	01/12/01	N/A	FEDERAL FACILITY AGREEMENT, SITE MANAGEMENT PLAN REQUEST FOR EXTENSION PADUCAH GASEOUS DIFFUSION PLANT	KDEP	DOE, USEPA-4	I-02001-0241	7/8/2019
ARF ARR	02/08/01	N/A	PRELIMINARY ASSESSMENT/SITE INSPECTION REPORT AND SWMU ASSESSMENT REPORT 475	DOE	N/A	ENV 1.A-01717	7/22/2019
ARF ARR	02/08/01	N/A	PRELIMINARY ASSESSMENT/SITE INSPECTION REPORT AND SWMU ASSESSMENT REPORT 476	DOE	N/A	ENV 1.A-01719	7/22/2019
ARF ARR	02/15/01	DOE/OR/07-1849&D1	2001 ANNUAL REVISION OF THE SITE MANAGEMENT PLAN PADUCAH GASEOUS DIFFUSION PLANT PADUCAH, KENTUCKY (DOE/OR/07-1849&D1)	KDEP	DOE, BJC	A-00002-1171	7/8/2019
ARF ARR	02/19/01	N/A	MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT ACCORDING TO THE TERMS OF SECTION XXXIX - APPENDIX C, CURRENT YEAR TIMETABLES AND DEADLINES FOR DRUM MOUNTAIN	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01724	7/23/2019
ARF ARR	02/23/01	N/A	[SWMU 475 AND 476] NOTIFICATION OF NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNITS AT THE PADUCAH GASEOUS DIFFUSION PLANT, MCCRACKEN COUNTY, KENTUCKY	DOE	USEPA-4, KDEP	A-00003-0169	7/17/2019
ARF ARR	03/20/01	N/A	MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT APPENDIX C	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01735	7/24/2019
ARF ARR	03/28/01	N/A	SITE MANAGEMENT PLAN	DOE	KDEP, USEPA-4	A-00002-1172	7/8/2019
ARF ARR	04/03/01	N/A	D2 SITE MANAGEMENT PLAN EXTENSION REQUEST PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	USEPA-4	DOE, BJC	A-00002-1175	7/8/2019
ARF ARR	04/03/01	DOE/OR/07-1849&D1	[DENIAL OF REQUEST FOR EXTENSION OF THE D2] SITE MANAGEMENT PLAN (DOE/OR/07-1849&D1)	KDEP	DOE, BJC	A-00002-1176	7/8/2019
ARF ARR	04/23/01	N/A	FEDERAL FACILITIES AGREEMENT (FFA) MODIFICATION TO APPENDIX C FOR THE SURFACE WATER AND GROUNDWATER OPERABLE UNIT	DOE	KDEP, USEPA-4	I-01702-0030	7/18/2019
ARF ARR	04/30/01	N/A	FEDERAL FACILITIES AGREEMENT (FFA) MODIFICATION TO APPENDIX C FOR THE SURFACE WATER AND GROUNDWATER OPERABLE UNITS	USEPA-4	DOE, BJC	I-02001-0247	7/18/2019
ARF ARR	05/16/01	N/A	NOTIFICATION OF NEWLY IDENTIFIED AREA OF CONCERN (AOC) AT THE PADUCAH GASEOUS DIFFUSION PLANT -- IDENTIFIED AS AOC 488	DOE	KDEP, USEPA-4	H-00014-0690	7/19/2019

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ARF ARR	05/25/01	DOE/OR/07-1849&D2	[COMMENTS ON THE] D2 - 2001 SITE MANAGEMENT PLAN PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	USEPA-4	DOE, BJC	A-00005-2359	7/3/2019
ARF ARR	06/19/01	N/A	PADUCAH FEDERAL FACILITIES AGREEMENT -- NOTIFICATION OF INVOCATION OF INFORMAL DISPUTE RESOLUTION FOR THE D2 SITE MANAGEMENT PLAN FOR THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	USEPA-4	I-02001-0248	7/8/2019
ARF ARR	7/3/2001	DOE/OR/07-1849&D1	D2 2001 ANNUAL REVISION OF THE SITE MANAGEMENT PLAN PADUCAH GASEOUS DIFFUSION PLANT PADUCAH, KENTUCKY (DOE/OR/07-1849&D1)	KDEP	DOE	A-00002-1228	7/3/2019
ARF ARR	7/10/2001	DOE/OR/07-1849&D1	INVOCATION OF INFORMAL DISPUTE, D2 ANNUAL REVISION OF THE SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/OR/07-1849&D1)	KDEP	DOE	A-00002-1227	7/3/2019
ARF ARR	07/25/01	N/A	PRELIMINARY ASSESSMENT/SITE INSPECTION REPORT AND AOC ASSESSMENT REPORT 488	DOE	N/A	ENV 1.A-01703	7/22/2019
ARF ARR	07/25/01	N/A	PRELIMINARY ASSESSMENT/SITE INSPECTION REPORT AND AOC ASSESSMENT REPORT 489	DOE	N/A	ENV 1.A-01704	7/22/2019
ARF ARR	08/07/01	N/A	INVOCATION OF FORMAL DISPUTE ON THE D2 SITE MANAGEMENT PLAN FOR THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	USEPA-4	A-00002-1184	7/3/2019
ARF ARR	08/09/01	DOE/OR/07-1849&D2	INVOCATION OF FORMAL DISPUTE, D2 ANNUAL REVISION OF THE SITE MANAGEMENT PLAN (DOE/OR/07-1849&D2), PADUCAH GASEOUS DIFFUSION PLANT (PGDP), PADUCAH, KENTUCKY	KDEP	DOE	A-00002-1226	7/3/2019
ARF ARR	09/25/01	N/A	MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT APPENDIX C FOR SCRAP METAL	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01728	7/23/2019
ARF ARR	10/15/01	N/A	REGULATOR PARTIES' RESOLUTION OF DISPUTES CONCERNING COMPLETION OF THE DEPARTMENT OF ENERGY'S PROPOSED SITE MANAGEMENT PLAN FOR PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KY	USEPA-4	DOE, BJC	A-00002-1193	7/3/2019
ARF ARR	10/24/01	N/A	EVALUATION OF THE FEDERAL FACILITY AGREEMENT DISPUTE REGARDING THE PROPOSED SITE MANAGEMEMT PLAN FOR THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE	KDEP, USEPA-4	Q-00002-0525	7/9/2019
ARF ARR	10/31/2001	DOE/OR/07-1849&D1	FISCAL YEAR 2002 D1 ANNUAL SITE MANAGEMENT PLAN REVISION/FEDERAL FACILITY AGREEMENT DISPUTE	DOE	KDEP, USEPA-4	A-00005-2471	7/3/2019
ARF ARR	11/13/01	N/A	MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT APPENDIX C FOR GWOU	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01726	7/23/2019
ARF ARR	11/21/01	LTR-PAD/DD-SJ-01-0035	IDENTIFICATION OF NEW SOLID WASTE MANAGEMENT UNITS (SWMU) 477 AND 478 FOR C-410 COMPLEX AND C-340 COMPLEX AT THE PADUCAH GASEOUS DIFFUSION PLANT	BJC	DOE	I-05102-0085	7/18/2019
ARF ARR	12/03/01	N/A	FISCAL YEAR 2002 SITE MANAGEMENT PLAN TIMETABLES AND DEADLINES SUBMITTAL PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	USEPA-4	DOE, BJC	A-00005-2486	7/3/2019

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ARF ARR	12/10/01	DOE-PAD-01-0080	IDENTIFICATION OF NEW SOLID WASTE MANAGEMENT UNITS (SWMU) FOR C-340 COMPLEX AT THE PADUCAH GASEOUS DIFFUSION PLANT	BJC	DOE	A-00003-0158	7/17/2019
ARF ARR	12/13/01	N/A	C-340 SWMU TABLE LISTING	N/A	N/A	A-00003-0176	7/17/2019
ARF ARR	12/13/01	N/A	[CERTIFICATION PAGE] IDENTIFICATION OF NEW SOLID WASTE MANAGEMENT UNITS (SWMU) FOR C-340 COMPLEX AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE, BJC	N/A	A-00003-0177	7/17/2019
ARF ARR	12/19/01	N/A	DISPUTE CONCERNING SITE MANAGEMENT PLAN MILESTONES REQUIRED BY THE PADUCAH GASEOUS DIFFUSION PLANT FEDERAL FACILITY AGREEMENT	USEPA-4	DOE, KDEP	ENV 1.A-01687	7/9/2019
ARF ARR	12/20/01	N/A	MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT APPENDIX C & G FOR SWOU SEDIMENT CONTROL	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01730	7/23/2019
ARF ARR	12/21/01	N//A	SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT (SAR) FOR SOLID WASTE MANAGEMENT UNIT (SWMU) 490, THE MCGRAW FUEL FACILITY WASTE OIL UNDERGROUND STORAGE TANKS (UST) AT THE PGDP	KDEP	DOE, BJC	I-02200-0108	7/18/2019
ARF ARR	01/03/02	N/A	AREA OF CONCERN (AOC) AND SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR THE PGDP (AOC 488 AND SWMU 489)	KDEP	DOE, BJC	A-00003-0040	7/17/2019
ARF ARR	01/11/02	DOE-PAD-01-0096	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 479, C-204 DISINTEGRATOR BUILDING, PGDP	KDEP	DOE, BJC	A-00005-2521	7/18/2019
ARF ARR	01/17/02	N/A	PADUCAH GASEOUS DIFFUSION PLANT FEDERAL FACILITIES AGREEMENT, MODIFICATION OF TIME PERIOD FOR FORMAL DISPUTE RESOLUTION PROCEDURES RELATING TO THE ANNUAL SITE MANAGEMENT PLAN	DOE	USEPA-4, KDEP	I-02001-0432	7/9/2019
ARF ARR	01/23/02	N/A	RESPONSE TO REQUEST FOR INFORMATION REGARDING AREA OF CONCERN 488 AND SOLID WASTE MANAGEMENT UNIT 489	DOE	KDEP	H-00015-1111	7/19/2019
ARF ARR	01/30/02	N/A	RESPONSE TO REQUEST FOR INFORMATION REGARDING SOLID WASTE MANAGEMENT UNIT ASSESSMENT (SWMU) 479 REPORT	DOE	KDEP	A-00005-2504	7/18/2019
ARF ARR	02/08/02	N/A	PADUCAH GASEOUS DIFFUSION PLANT FEDERAL FACILITIES AGREEMENT, MODIFICATION OF TIME PERIOD FOR FORMAL DISPUTE RESOLUTION PROCEDURES RELATING TO THE ANNUAL SITE MANAGEMENT PLAN	DOE	USEPA-4, KDEP	ENV 1.A-01685	7/3/2019
ARF ARR	02/18/02	N/A	[NO FURTHER ACTION] SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 485, C-611-N SANITARY WATER STORAGE, PGDP	KDEP	DOE, BJC	I-05102-0153	7/19/2019
ARF ARR	02/22/02	N/A	NOTIFICATION OF FOUR NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNITS 530, 531, 532, AND 533 AT PGDP	DOE	KDEP, USEPA-4	H-00015-1139	7/19/2019
ARF ARR	02/25/02	LTR-PAD/ESS-JB-02-0021	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR SWMUs 517, 519, AND 520 AND AREA OF CONCERN (AOC) ASSESSMENT REPORTS FOR AOC 518 AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP), MCCRACKEN COUNTY, KENTUCKY	BJC	DOE	A-00003-0191	7/17/2019

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ARF ARR	02/26/02	N/A	SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORTS FOR SOLID WASTE MANAGEMENT UNIT 517, 519, AND 520 AND AREA OF CONCERN (AOC) ASSESSMENT REPORT FOR AOC 518 AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	KDEP, USEPA-4	A-00005-2534	7/18/2019
ARF ARR	03/27/02	N/A	[CONFIRMATION AND AGREEMENT ON THE] PADUCAH GASEOUS DIFFUSION PLANT FEDERAL FACILITIES AGREEMENT (FFA), MODIFICATION OF TIME PERIOD FOR FORMAL DISPUTE RESOLUTION PROCEDURES RELATING TO THE ANNUAL SITE MANAGEMENT PLAN	KDEP	USEPA-4, DOE	A-00002-1194	7/3/2019
ARF ARR	04/02/02	N/A	[AGREEMENT WITH THE NO FURTHER ACTION] DOE'S RESPONSE TO REQUEST FOR INFORMATION REGARDING SWMU ASSESSMENT REPORT 481	KDEP	DOE, BJC	A-00005-2553	7/18/2019
ARF ARR	04/05/02	N/A	RESPONSE TO REQUEST FOR INFORMATION REGARDING AREA OF CONCERN 488 AND SOLID WASTE MANAGEMENT UNIT 489	KDEP	DOE, BJC	I-04902-0006	7/18/2019
ARF ARR	04/22/02	N/A	PADUCAH GASEOUS DIFFUSION PLANT FEDERAL FACILITIES AGREEMENT, MODIFICATION OF TIME PERIOD FOR FORMAL DISPUTE RESOLUTION PROCEDURES RELATING TO THE ANNUAL SITE MANAGEMENT PLAN	DOE	USEPA-4, KDEP	ENV 1.A-01684	7/3/2019
ARF ARR	04/23/02	N/A	NOTIFICATION OF NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNIT (SWMU) 534 AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	KDEP, USEPA-4	A-00003-0007	7/17/2019
ARF ARR	05/17/02	N/A	PADUCAH FEDERAL FACILITY AGREEMENT MILESTONES AND DELIVERABLES	DOE	USEPA-4, KDEP	I-02001-0275	7/9/2019
ARF ARR	05/20/02	LTR-PAD/ESS-JB-02-0088	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR SWMUs 530 THROUGH 533 AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP), MCCRACKEN COUNTY, KENTUCKY	BJC	DOE	A-00003-0171	7/17/2019
ARF ARR	05/21/02	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR SWMU 530 THROUGH 533 AT PGDP	DOE	KDEP, USEPA-4	A-00005-2583	7/18/2019
ARF ARR	05/23/02	PAD-REG-12-2232	SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORTS - SOLID WASTE MANAGEMENT UNITS 569 AND 570	LATA	DOE	ENV 2.A.3.B-00112	7/19/2019
ARF ARR	05/30/02	N/A	REQUEST FOR FEDERAL FACILITIES AGREEMENT MILESTONE SCHEDULE EXTENSION FOR THE DECONTAMINATION AND DECOMMISSIONING OF C-410	DOE	USEPA-4, KDEP	I-05113-0012	7/23/2019
ARF ARR	05/31/02	N/A	[DENIAL OF NO FURTHER ACTION STATUS] RESPONSE TO REQUEST FOR ADDITIONAL TESTING REGARDING SOLID WASTE MANAGEMENT UNIT (SWMU) 489	KDEP	DOE, BJC	A-00003-0012	7/17/2019
ARF ARR	06/03/02	N/A	[AGREEMENT WITH NO FURTHER ACTION STATUS] RESPONSE TO REQUEST FOR INFORMATION REGARDING SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT 479	KDEP	DOE, BJC	A-00003-0013	7/17/2019
ARF ARR	06/07/02	N/A	MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT APPENDIX G FOR SWOU OFF-SITE DITCHES	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01731	7/23/2019
ARF ARR	06/17/02	LTR-PAD/ESS-JB-02-0100	[SWMU 536] NOTIFICATION OF NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNIT (SWMU) AND SWMU ASSESSMENT REPORT (SAR) AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP)	BJC	DOE	A-00003-0183	7/17/2019

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ARF ARR	6/27/2002	N/A	NOTIFICATION OF NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNIT (SWMU) 536 AND SWMU ASSESSMENT REPORT AT PGDP	KDEP	DOE, BJC	A-00003-0019	7/17/2019
ARF ARR	07/12/02	N/A	SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT (SWMU) 534, UNDERGROUND STORAGE TANK 18, PGDP	DOE	KDEP, USEPA-4	A-00003-0018	7/17/2019
ARF ARR	07/12/02	LTR-PAD/ESS-JB-02-0111	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 534 AT THE PADUCAH GASEOUS DIFFUSION PLANT (PGDP), MCCRACKEN COUNTY, KENTUCKY	BJC	DOE	A-00003-0196	7/17/2019
ARF ARR	07/22/02	LTR-PAD/ESS-JB-02-0117	REVISED CLOSURE PLAN AND SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR DEPARTMENT OF ENERGY (DOE) MATERIAL STORAGE AREA (DMSA) OS-03, SWMU 214	BJC	DOE	D-17503-0002	7/18/2019
ARF ARR	07/23/02	N/A	REVISED SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 536 AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	KDEP, USEPA-4	A-00005-2621	7/18/2019
ARF ARR	07/23/02	N/A	REVISED CLOSURE PLAN AND SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SECTION A OF SOLID WASTE MANAGEMENT UNIT 206	DOE	KDEP	I-02007-0027	7/18/2019
ARF ARR	08/02/02	N/A	SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT (SWMU) 534 (UST #18), PGDP	KDEP	DOE, BJC	A-00005-2634	7/18/2019
ARF ARR	08/29/02	N/A	SOLID WASTE MANAGEMENT UNITS ASSESSMENT REPORTS FOR THE C-410 FEED PLANT COMPLEX AND C-340 FACILITIES	DOE	KDEP	I-05102-0209	7/19/2019
ARF ARR	08/30/02	LTR-PAD/DD-LJ-02-0002	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR NEWLY IDENTIFIED UNITS IN C-340 METALS PLANT COMPLEX AND C-410 FEED PLANT COMPLEX	BJC	DOE	I-05102-0211	7/16/2019
ARF ARR	08/30/02	N//A	RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION REGARDING SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT 484	KDEP	DOE, BJC	I-05102-0213	7/19/2019
ARF ARR	10/24/02	N/A	MODIFICATIONS TO THE PADUCAH FEDERAL FACILITY AGREEMENT APPENDIX C AND APPENDIX G (D1 DATED MAY 2001) FOR WDA	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01722	7/23/2019
ARF ARR	12/19/02	N/A	PRELIMINARY ASSESSMENT SITE INSPECTION REPORT AND AREA OF CONCERN/ SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT, REVISED, FOR SCRAP METAL WEST OF C-746-A, SWMU 520	DOE	N/A	Q-00003-0475	7/19/2019
ARF ARR	12/20/02	N/A	REQUEST FOR EXTENSION ON DELIVERABLE: PADUCAH GASEOUS DIFFUSION PLANT C-746-U LANDFILL RISK EVALUATION/PERFORMANCE EVALUATION RESPONSE TO COMMENTS AND REVISED DOCUMENT	DOE	KDEP, USEPA-4	D-04300-0607	7/9/2019
ARF ARR	01/02/03	N/A	AREA OF CONCERN ASSESSMENT REPORTS FOR THE PADUCAH GASEOUS DIFFUSION PLANT, MCCRACKEN COUNTY, KENTUCKY (AREA OF CONCERN 491 AND AREA OF CONCERN 492)	DOE	KDEP, USEPA-4	I-05202-0007	7/10/2019
ARF ARR	01/09/03	N/A	REQUEST FOR EXTENSION FOR THE C-746-U RISK EVALUATION / PERFORMANCE EVALUATION, PADUCAH GASEOUS DIFFUSION PLANT	DOE	KDEP, USEPA-4	D-04300-0393	7/18/2019

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ARF ARR	1/10/2003	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) REPORTS FOR SWMU 517, 519, AND 520 AND AREA OF CONCERN (AOC) ASSESSMENT REPORT FOR AOC 518 AT PGDP	KDEP	DOE, BJC	A-00003-0038	7/17/2019
ARF ARR	02/04/03	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 541	DOE	KDEP	A-00005-2720	7/18/2019
ARF ARR	4/15/2003	N/A	RESOLUTION OF DISPUTE 2001 SITE MANAGEMENT PLAN (SMP)	USEPA	KDEP, USEPA-4	ENV 1.A-01688	7/10/2019
ARF ARR	04/15/03	N/A	NOTIFICATION OF NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNIT (SWMU) 548 AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	KDEP, USEPA-4	A-00003-0054	7/17/2019
ARF ARR	04/18/03	N/A	FEDERAL FACILITY AGREEMENT BUDGET REPORTING, FISCAL YEAR 2003 AND 2004 FOR THE DEPARTMENT OF ENERGY PGDP	DOE	USEPA-4, KDEP	I-02001-0299	7/18/2019
ARF ARR	04/29/03	N/A	FEDERAL FACILITY AGREEMENT BUDGET REPORTING, FISCAL YEAR 2003 AND 2004 FOR THE DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT	USEPA-4	DOE, BJC	I-02001-0303	7/18/2019
ARF ARR	5/7/2003	N/A	NOTIFICATION OF NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	KDEP, USEPA-4	A-00000-0555	7/17/2019
ARF ARR	05/07/03	N/A	FEDERAL FACILITY AGREEMENT SECTION XXVI. DESIGNATED PROJECT MANAGERS	USEPA-4	DOE, BJC	I-02001-0308	7/18/2019
ARF ARR	05/10/03	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 541	KDEP	DOE, BJC	A-00003-0059	7/17/2019
ARF ARR	5/12/2003	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR SWMU 365, 366, 367, 369, 370, 383, 384, 385, 431, 435, 436, 437, 438, 439	KDEP	DOE, BJC	A-00003-0069	7/17/2019
ARF ARR	05/21/03	N/A	PADUCAH FEDERAL FACILITY AGREEMENT MODIFICATION, FISCAL YEAR 2003 ENFORCEABLE COMMITMENTS	DOE	USEPA-4, KDEP	I-02001-0307	7/18/2019
ARF ARR	06/03/03	N/A	NOTIFICATION OF NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNIT (SWMU) 550 AT PGDP, PERMIT NUMBER KY8-890-008-982	DOE	USEPA-4, KDEP	A-00003-0065	7/17/2019
ARF ARR	06/03/03	N/A	FEDERAL FACILITY AGREEMENT (FFA) BUDGET REPORTING, FISCAL YEAR 2003 AND 2004 FOR THE DEPARTMENT OF ENERGY PADUCAH GASEOUS DIFFUSION PLANT	DOE	USEPA-4	I-02001-0309	7/29/2019
ARF ARR	06/05/03	LTR-PAD/ESS-BR-03-0070	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT, SWMU 546, DIESEL FUEL SPILL NEAR PADUCAH GASEOUS DIFFUSION PLANT (PGDP) POST 67	BJC	DOE	A-00003-0232	7/18/2019
ARF ARR	06/06/03	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 546	DOE	KDEP	A-00005-2804	7/18/2019
ARF ARR	07/10/03	LTR-PAD/ESS-JB-03-0085	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT, SWMU 548, STAGING AREA FOR CONCRETE PIERS, RUBBLE AND WOOD FROM C-745-B CYLINDER YARD	BJC	DOE, PRS	A-00003-0225	7/18/2019
ARF ARR	07/11/03	N/A	SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 548	DOE	KDEP	A-00003-0068	7/17/2019
ARF ARR	7/29/2003	LTR-PAD/ESS-JB-03-0091	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT - SWMU 549 - DIRT/RUBBLE PILE NEAR OUTFALL 008	BJC	DOE	A-00003-0072	7/17/2019

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ARF ARR	07/29/03	N/A	SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 549	DOE	KDEP	A-00005-2839	7/18/2019
ARF ARR	08/20/03	N/A	[AGREEMENT WITH] SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 549, DIRT/RUBBLE PILE NEAR OUTFALL 008	KDEP	DOE, BJC	A-00003-0091	7/17/2019
ARF ARR	08/22/03	LTR-PAD/ESS-JB-03-0101	SOLID WASTE MANAGEMENT (SWMU) ASSESSMENT REPORT (SWMU 550) CONCRETE CULVERT SECTIONS LOCATED ON THE WEST BANK OF THE DITCH LEADING TO OUTFALL 001	BJC	DOE	A-00003-0075	7/17/2019
ARF ARR	8/26/2003	N/A	SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 550	DOE	KDEP	A-00003-0074	7/17/2019
ARF ARR	08/26/03	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 549, DIRT/RUBBLE PILE NEAR OUTFALL 008	DOE	BJC	A-00003-0077	7/17/2019
ARF ARR	9/11/2003	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR SWMUs 372, 373, 374, 375, 376, 377, 433, 401, 402, 403, 404, 446, 447, 448, 449, 450, 451, 452, 453	KDEP	DOE, BJC	A-00003-0079	7/17/2019
ARF ARR	09/19/03	N/A	NOTIFICATION OF NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNIT (SWMU) 551 AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	KDEP, USEPA-4	A-00003-0080	7/17/2019
ARF ARR	10/29/03	N/A	UPDATED SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 99 (C-745 KELLOGG BUILDING SITE)	DOE	KDEP	A-00005-2889	7/19/2019
ARF ARR	10/31/03	N/A	FEDERAL FACILITY AGREEMENT BUDGET NOTIFICATION	DOE	USEPA-4, KDEP	I-02001-0317	7/18/2019
ARF ARR	12/10/03	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT, SWMU 551, GENERATOR STAGING AREA (GSA) LOCATED AT C-755 ON THE EAST FENCE LINE	BJC	DOE	A-00003-0093	7/17/2019
ARF ARR	12/12/03	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 551	DOE	KDEP, USEPA-4	A-00005-2910	7/18/2019
ARF ARR	01/28/04	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR SWMUS 422, 423, 424, 425, 426, 427, 428, 455, 456, 457, 458, 459, 460 461, 462, 542a, 542b, 543, 544, 545	KDEP	DOE, BJC	A-00005-2939	7/18/2019
ARF ARR	3/22/2004	N/A	AREA OF CONCERN/SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT 491, PGDP	KDEP	DOE, BJC	A-00003-0118	7/17/2019
ARF ARR	04/12/04	N/A	(APPROVAL OF NO FURTHER ACTION) SUBMITTAL OF REVISIONS TO SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR SWMU 388 AND 548 AND RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) FACILITY INVESTIGATION DETERMINATION FOR SWMU 394, PGDP	KDEP	DOE, BJC	A-00003-0122	7/17/2019
ARF ARR	06/03/04	N/A	PADUCAH FEDERAL FACILITY AGREEMENT MODIFICATION, FISCAL YEAR 2004 SITE MANAGEMENT PLAN, ENFORCEABLE COMMITMENTS, AND MISCELLANEOUS TEXT CHANGES	DOE	KDEP, USEPA-4	I-02001-0338	7/18/2019
ARF ARR	06/29/04	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR SWMUS 363, 364, 368, 389, 390, 406, 410, 418, 441, 443 AND 444, PGDP	KDEP	DOE, BJC	A-00003-0130	7/17/2019
ARF ARR	07/28/04	N/A	[SIGNED MODIFICATION FOR THE] PADUCAH FEDERAL FACILITY AGREEMENT MODIFICATION REQUEST	USEPA-4	DOE, BJC	I-02001-0343	7/18/2019

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ARF ARR	10/26/04	PPO-02-109-05	FEDERAL FACILITY AGREEMENT BUDGET NOTIFICATION	DOE	KDEP, USEPA-4	I-02001-0345	7/18/2019
ARF ARR	11/01/04	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR SWMUs 412 AND 413, PGDP	KDEP	DOE, BJC	A-00003-0138	7/17/2019
ARF ARR	11/04/04	N/A	C-760 90-DAY ACCUMULATION AREA SOLID WASTE ASSESSMENT REPORT SWMU 552	DOE	N/A	ENV 1.A-01702	7/22/2019
ARF ARR	11/23/04	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS FOR SWMUs 360, 371, 391, 409, AND 432	KDEP	DOE, BJC	A-00003-0139	7/17/2019
ARF ARR	11/23/04	PPPO-02-165-05	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 552	DOE	KDEP, USEPA-4	A-00003-0140	7/17/2019
ARF ARR	03/29/05	LTR-PAD/ESS-JB-05-0049	ANNUAL SUBMITTAL OF THE REVISED SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS IN ACCORDANCE WITH THE AGREED ORDER (KNREPC FILES NUMBERS: DWM-31434-042, DAQ-31740-030, AND DOW-26141-042) -- SWMUs 29, 39, 159, 207	BJC	DOE	A-00003-0153	8/8/2019
ARF ARR	03/31/05	N/A	ANNUAL SUBMITTAL OF THE REVISED SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORTS IN ACCORDANCE WITH THE AGREED ORDER (KNREPC FILE NUMBERS DWM-31434, DAQ-31740-030, AND DOW-26141-042) , MCCRACKEN COUNTY, KENTUCKY	DOE	KDEP	A-00003-0151	7/17/2019
ARF ARR	09/22/05	PPPO-02-501-05	NOTIFICATION OF SEVEN (7) NEWLY IDENTIFIED SOLID WASTE MANAGEMENT UNITS (SWMU)--553, 554, 555, 556, 557, 558 AND 559	DOE	KDEP, USEPA-4	A-00003-0156	7/17/2019
ARF ARR	09/26/05	N/A	MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT APPENDIX C FOR NSDD	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01727	7/23/2019
ARF ARR	12/16/05	LTR-PAD/ESS-JB-05-0121	SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORTS, SWMUs 553, 554, 555, 556, 557, 558, AND 559	BJC	DOE	A-00003-0184	7/17/2019
ARF ARR	01/04/06	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) NO FURTHER ACTION APPROVALS AND STATUS UPDATE REQUESTS	KDEP	DOE, BJC	A-00003-0186	7/17/2019
ARF ARR	02/14/06	N/A	SOLID WASTE MANAGEMENT UNIT (SWMU) NO FURTHER ACTION APPROVALS, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, MCCRACKEN COUNTY	KDEP	DOE, BJC	A-00003-0197	7/17/2019
ARF ARR	03/16/06	LTR-PAD/ESS-JB-06-0006	PADUCAH GASEOUS DIFFUSION PLANT (PGDP) SOLID WASTE MANAGEMENT UNIT (SWMU) 560 ASSESSMENT REPORT	BJC	DOE	A-00003-0199	7/17/2019
ARF ARR	03/16/06	PPPO-02-306-06	PADUCAH GASEOUS DIFFUSION PLANT (PGDP) SOLID WASTE MANAGEMENT UNIT (SWMU) 560 ASSESSMENT REPORT	DOE	KDEP, USEPA-4	A-00003-0200	7/17/2019
ARF ARR	03/29/06	N/A	MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT APPENDIX C & G FOR SOUTHWEST PLUME	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01729	7/23/2019
ARF ARR	04/10/06	LTR-PAD/ESS-JB-06-0027	ANNUAL SUBMITTAL OF THE REVISED SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT IN ACCORDANCE WITH THE AGREED ORDER (KNREPC FILE NUMBERS: DWM-31434-042, DAQ-31740-030, AND DOW-26141-042)	BJC	DOE	A-00003-0202	8/8/2019
ARF ARR	11/15/06	PPPO-02-191-07, DOE/LX/07-0009&D1	TRANSMITTAL OF THE D1 FISCAL YEAR 2007 SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE	KDEP, USEPA-4	I-02001-0526	7/24/2019
ARF ARR	01/29/07	PPPO-02-291-07	EXTENSION REQUEST FOR NOTIFICATION OF SOIL AND RUBBLE AREAS AT THE PADUCAH GASEOUS DIFFUSION PLANT	DOE	KDEP, USEPA-4	I-04906-0004	7/30/2019

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ARF ARR	03/08/07	PRS/I-0230	[NO FURTHER ACTION GRANTED] SOLID WASTE MANAGEMENT UNIT (SWMU) NO FURTHER ACTION APPROVALS, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, MCCRACKEN COUNTY, KENTUCKY	KDEP	DOE, PRS	A-00003-0217	7/18/2019
ARF ARR	08/28/07	PRS/I-0627	[SWMU 361, 362, 382, 386, 387, 415, 419, 429, 440, 473, 525, 527, 548, 551] SOLID WASTE MANAGEMENT UNIT (SWMU) NO FURTHER ACTION APPROVALS, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	KDEP	DOE, PRS	A-00003-0242	7/18/2019
ARF ARR	09/20/07	N/A	MODIFICATION TO THE PADUCAH FEDERAL FACILITY AGREEMENT SECTION VII, SECTION XVIII B. AND C, SECTION XXIII, APPENDIX B, APPENDIX C, AND APPENDIX G OF THE FFA	DOE, KDEP, USEPA-4	N/A	ENV 1.A-01711	7/22/2019
ARF ARR	10/09/07	REG-L-0161, DOE/LX/07-0009&D2	TRANSMITTAL OF THE D2 FISCAL YEAR 2007 SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	PRS	DOE	I-02001-0580	7/24/2019
ARF ARR	10/23/07	PPPO-02-131-08, PRS/I-0684	TRANSMITTAL OF THE D2 FISCAL YEAR 2007 SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE	KDEP, USEPA-4	I-02001-0589	7/24/2019
ARF ARR	12/28/07	REG-L-0178	REQUEST FOR APPROVAL TO TRANSMIT CONTROLLED COPIES OF PADUCAH FEDERAL FACILITY AGREEMENT	PRS	DOE	I-02001-0597	7/18/2019
ARF ARR	01/15/08	PPPO-02-260-08, DOE/LX/07-0105&D1	TRANSMITTAL OF THE D2 FISCAL YEAR 2008 SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE	KDEP, USEPA-4	I-02001-0598	7/24/2019
ARF ARR	02/18/08	REG-L-0199	TRANSMITTAL OF PADUCAH FEDERAL FACILITY AGREEMENT CONTROL COPY	PRS	DISTRIBUTION	ENV 1.A-01718	7/22/2019
ARF ARR	02/24/09	ENM-L-1022, PRS/PROJ/0046/R1	TRICHLOROETHENE AND TECHNETIUM-99 GROUNDWATER CONTAMINATION IN THE REGIONAL GRAVEL AQUIFER FOR CALENDAR YEAR 2007 AT THE PADUCAH GASEOUS DIFFUSION PLANT (PRS/PROJ/0046/R1)	PRS	DOE	I-04602-0138	7/22/2019
ARF ARR	04/06/09	ENM-L-1058, PRS/PROJ/0046/R1	TRICHLOROETHENE AND TECHNETIUM-99 GROUNDWATER CONTAMINATION IN THE REGIONAL GRAVEL AQUIFER FOR CALENDAR YEAR 2007 AT THE PADUCAH GASEOUS DIFFUSION PLANT (PRS/PROJ/0046/R1)	PRS	DOE	I-04602-0145	7/22/2019
ARF ARR	07/30/09	PPPO-02-234-09, DOE/LX/07-0107&D1/V1&V2	TRANSMITTAL OF THE METHODS FOR CONDUCTING RISK ASSESSMENTS AND RISK EVALUATIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, VOLUME 1, HUMAN HEALTH, AND VOLUME 2, ECOLOGICAL (DOE/LX/07-0107&D1/V1&V2)	DOE	KDEP, USEPA-4	ENV 1.K.1-00362	7/19/2019
ARF ARR	08/17/09	N/A	NO FURTHER ACTION STATUS DETERMINATION FOR SWMUS 466, 467, 471 AND 472	KDEP	DOE	ENV 1.A-01699	7/22/2019
ARF ARR	09/28/09	REG-L-0357	PADUCAH FEDERAL FACILITY AGREEMENT MODIFICATION-OUTYEAR COMPLETION DATE LANGUAGE REFERENCED IN SECTION XVIII.B "SCOPE WORK PRIORITIES" AND SECTION XVIII.C "TIMETABLES AND DEADLINES"	PRS	DOE	I-02001-0678	7/18/2019
ARF ARR	01/21/10	PPPO-02-302-10	SUBMITTAL OF SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT FOR SWMU 566, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	DOE	KDEP	ENV 2.A.3.B-00172	7/18/2019

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ARF ARR	07/08/10	N/A	NINETEEN SOLID WASTE MANAGEMENT UNIT NO FURTHER ACTION APPROVALS SWMUS: 48, 54, 231, 247, 264, 281, 284, 288, 301, 304, 310, 327, 338, 339, 340, 344, 345, 349 & 351	KDEP	DOE	ENV 1.A-01714	7/22/2019
ARF ARR	08/06/10	PPPO-02-561-10, DOE/LX/07-0107&D2/V1, DOE/LX/07-0107&D2/V2	TRANSMITTAL OF THE METHODS FOR CONDUCTING RISK ASSESSMENTS AND RISK EVALUATIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KY, VOLUME 1, HUMAN HEALTH, AND VOLUME 2, ECOLOGICAL (DOE/LX/07-0107&D2/V1&V2)	DOE	USEPA-4, KDEP	ENV 1.A-00230	8/28/2019
ARF ARR	08/31/10	N/A	CONTAMINATED SOIL AREA NEAR OUTFALL 013 WEST OF LITTLE BAYOU CREEK SOLID WASTE MANAGEMENT UNIT (SWMU) ASSESSMENT REPORT 567	DOE	N/A	ENV 1.A-01721	7/22/2019
ARF ARR	12/02/10	KY-11-0041	APPROVAL OF SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORTS FOR SOLID WASTE MANAGEMENT UNITS 566 AND 568, PGDP, PADUCAH, MCCRACKEN COUNTY, KENTUCKY	KDEP	DOE	A-00003-0381	7/18/2019
ARF ARR	05/10/11	DOE/LX/07-0107&D2/R1/V1, DOE/LX/07&D2/V2, KY-11-0110	CONCURRENCE WITH METHODS FOR CONDUCTING RISK ASSESSMENTS AND RISK EVALUATIONS- VOLUME 1: HUMAN HEALTH (0107&D2/R1/V1) AND VOLUME 2: ECOLOGICAL (0107&D2V2) AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	USEPA-4	DOE	LB09905-1158	7/23/2019
ARF ARR	10/10/11	N/A	NO FURTHER ACTION STATUS DETERMINATION FOR SWMU 144	KDEP	DOE	ENV 1.A-01715	7/22/2019
ARF ARR	08/28/14	DOE/LX/07-0107&D2/R3/V1	[KDEP] COMMENTS ON THE METHODS FOR CONDUCTING RISK ASSESSMENTS AND RISK EVALUATIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, VOLUME 1, HUMAN HEALTH, (DOE/LX/07-0107&D2/R3/V1)	KDEP	DOE	ENV 1.B.5.A-000248	7/23/2019
ARF ARR	09/08/14	N/A	RISK METHODS DOCUMENT D2R3V1 - FINAL PUBLISHED DOCUMENTS ON PUBLIC DOCUMENTS AND FINAL LIBRARY	USEPA-4	FRNP, USEPA-4	ENV 1.A-01734	7/24/2019
ARF ARR	10/21/14	PPPO-02-2600491-15, DOE/LX/07-1268&D2/R2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSIDERATION OF ADDITIONAL WORK FOR THE REMEDIAL DESIGN WORK PLAN FOR THE SOUTHWEST GROUNDWATER PLUME	DOE	KDEP, USEPA-4	ENV 1.K.1-00444	7/9/2019
ARF ARR	01/14/15	N/A	APPROVAL OF THE REVISED SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORTS FOR 102A, 102B, 211A, 211B, 90 AND 194; REQUEST FOR A REVISION TO 526	KDEP	DOE	ENV 1.A-01708	7/22/2019
ARF ARR	06/17/15	FPAD-15-0590	CLASS 1 MODIFICATION FOR HAZARDOUS AND SOLID WASTE AMENDMENTS PERMIT, PADUCAH GASEOUS DIFFUSION PLANT, U.S ENVIRONMENTAL PROTECTION AGENCY IDENTIFICATION NO. KY8-890-008-982	FPDP	USEPA-4	ENV 1.A-01709	7/22/2019
ARF ARR	07/24/15	DOE/LX/07-0107&D2/R5/V1	COMMENTS TO THE METHODS FOR CONDUCTING RISK ASSESSMENTS AND RISK EVALUATIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT - HUMAN HEALTH (DOE/LX/07-0107&D2/R5/V1)	KDPE	DOE	ENV 1.A-01736	7/24/2019
ARF ARR	08/04/15	N/A	FW: PADUCAH HH RMD - EPA "NO ADDITIONAL COMMENTS" EMAIL	USEPA-4	DOE	ENV 1.A-01738	7/24/2019

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ARF ARR	09/14/15	PPPO-01-3146009-15, PPPO-01-3146021-15	DESIGNATION OF TRACEY DUNCAN AS FEDERAL FACILITY AGREEMENT PROJECT MANAGER	DOE	USEPA-4, KDEP, DOE	ENV 1.K.1-00570	8/29/2019
ARF ARR	09/06/17	PPPO-02-4354310-17, DOE/LX/07-0107&D2/R8/V1	EPA ACKNOWLEDGEMENT AND COMMENTS: UPDATED METHODS FOR CONDUCTING RISK ASSESSMENTS AND RISK EVALUATIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, VOLUME 1, HUMAN HEALTH (DOE/LX/07-0107&D2/R8/V1) DATED JULY 2017 (PPPO-02-4354310-17)	USEPA-4	DOE	ENV 1.A-01732	7/24/2019
ARF ARR	02/09/18	PPPO-02-4679533-18A	DESIGNATION OF ON-SCENE COORDINATOR	DOE	USEPA-4, KDEP	ENV 1.J.1-01236	8/29/2019
ARF ARR	07/31/18	DOE/LX/07-0107&D2/R9/V1	RE: PPPO-02-4824026-18 TRANSMITTAL OF THE REVISED METHODS FOR CONDUCTING RISK ASSESSMENTS AND RISK EVALUATIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, VOLUME 1, HUMAN HEALTH (DOE/LX/07-0107&D2/R9/V1)	USEPA-4	FRNP	ENV 1.A-01733	7/24/2019
ARF ARR	08/15/18	DOE/LX/07-0107&D2/R9/V1	RE: PPPO-02-4824026-18 TRANSMITTAL OF THE REVISED METHODS FOR CONDUCTING RISK ASSESSMENTS AND RISK EVALUATIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, VOLUME 1, HUMAN HEALTH (DOE/LX/07-0107&D2/R9/V1)	KDEP	FRNP, DOE, USEPA-4, KDEP	ENV 1.A-01737	7/24/2019
ARF ARR	06/19/19	PPPO-02-5512764-19C, FRNP-RPT-0074	TRANSMITTAL OF THE TRICHLOROETHENE AND TECHNETIUM-99 GROUNDWATER CONTAMINATION IN THE REGIONAL GRAVEL AQUIFER FOR CALENDAR YEAR 2018 AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (FRNP-RPT-0074)	DOE	KDEP, USEPA-4	ENV 1.A-01689	7/22/2019
ARF ARR	07/01/19	PPPO-02-5652509-19, DOE/LX/07-2420&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	ENV 1.A-01690	7/22/2019
ARF ARR	07/01/19	PPPO-02-5652563-19, DOE/LX/07-2425&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2425&D2)	DOE	KDEP, USEPA-4	ENV 1.A-01691	7/22/2019
ARF ARR	07/11/19	PPPO-02-5667587-19, DOE/LX/07-2425&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2425&D2)	DOE	KDEP, USEPA-4	ENV 1.A-01692	7/22/2019

Paducah Documents Added to the Administrative Record Reference Files-Third Quarter CY2019

Document Status	Document Date	Document ID	Title	Author Affiliation	To Affiliation	Name	Date Added
ARF ARR	07/11/19	PPPO-02-5668056-19, DOE/LX/07-2420&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	ENV 1.A-01693	7/22/2019
ARF ARR	07/11/19	PPPO-02-5673162-19, DOE/LX/07-2420&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	ENV 1.A-01694	7/22/2019
ARF ARR	07/11/19	PPPO-02-5673443-19, DOE/LX/07-2425&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2425&D2)	DOE	KDEP, USEPA-4	ENV 1.A-01695	7/22/2019
ARF ARR	07/17/19	PPPO-02-5682156-19, DOE/LX/07-2433&D1	SCHEDULE EXTENSION FOR SUBMITTAL OF THE D2 REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN FOR THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2433&D1)	DOE	KDEP, USEPA-4	ENV 1.A-01754	8/19/2019
ARF ARR	07/19/19	PPPO-02-5556779-19A, DOE/LX/07-2429&D1	RESPONSE TO COMMENTS RECEIVED FROM THE U.S. ENVIRONMENTAL PROTECTION AGENCY ON REVISED SOLID WASTE MANAGEMENT UNIT ASSESSMENT REPORT (DOE/LX/07-2429&D1) FOR SOLID WASTE. MANAGEMENT UNIT 478	DOE	KDEP, USEPA-4	ENV 1.A-01748	8/19/2019
ARF ARR	07/19/19	PPPO-02-5556779-19B, DOE/LX/07-2182&D1	RESPONSE TO COMMENTS RECEIVED FROM THE U.S. ENVIRONMENTAL PROTECTION AGENCY ON THE STATUS OF SOLID WASTE MANAGEMENT UNIT 513 AND TRANSMITTAL OF ERRATA PAGES TO THE REMOVAL ACTION REPORT FOR THE C-410 COMPLEX INFRASTRUCTURE DECONTAMINATION AND DECOMMISSIONING PROJECT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/02-2182&D1) SECOND ERRATA	DOE	KDEP, USEPA-4	ENV 1.A-01749	8/19/2019
ARF ARR	07/22/19	PPPO-02-5688603-19, DOE/LX/07-2420&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE REMOVAL NOTIFICATION FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	ENV 1.A-01750	8/19/2019
ARF ARR	07/22/19	PPPO-02-5689304-19, DOE/LX/07-2425&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2425&D2)	DOE	KDEP, USEPA-4	ENV 1.A-01751	8/19/2019
ARF ARR	08/01/19	DOE/LX/07-2418&D2/R2	SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FY 2018 AND FY 2019	FRNP	DOE	ENV 1.A-01819	9/19/2019

Paducah Documents Added to the Administrative Record Reference Files-Third Quarter CY2019

Document Status	Document Date	Document ID	Title	Author Affiliation	To Affiliation	Name	Date Added
ARF ARR	08/02/19	PPPO-02-5706548-19, DOE/LX/07-2420&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2420&D2)	DOE	KDEP, USEPA-4	ENV 1.A-01752	8/19/2019
ARF ARR	08/02/19	PPPO-02-5708119-19, DOE/LX/07-2425&D2	PADUCAH FEDERAL FACILITY AGREEMENT-MINOR MODIFICATION TO EXTEND THE TIME PERIOD FOR CONSULTATION OF THE SENIOR EXECUTIVE COMMITTEE RELATED TO THE ENGINEERING EVALUATION/COST ANALYSIS FOR DEMOLITION OF THE C-400 CLEANING BUILDING IN THE C-400 COMPLEX OPERABLE UNIT AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY (DOE/LX/07-2425&D2)	DOE	KDEP, USEPA-4	ENV 1.A-01753	8/19/2019
ARF ARR	08/13/19	FR-19-0268	KENTUCKY DIVISION OF WASTE MANAGEMENT'S NOTIFICATION OF INVOCATION OF INFORMAL DISPUTE RESOLUTION CONCERNING DEMANDS THAT THE COMMONWEALTH FORGO RIGHTS CONFERRED BY THE FEDERAL FACILITIES AGREEMENT UNDER THREAT OF FINANCIAL RETRIBUTION	KDEP	DOE	ENV 1.A-01827	9/19/2019
ARF ARR	08/19/19	PPPO-02-5707772-19	PADUCAH FEDERAL FACILITY AGREEMENT FISCAL YEAR 2019 FUNDING ALLOCATION EVALUATION	DOE	USEPA-4, KDEP	ENV 1.A-01830	9/19/2019
ARF ARR	08/20/19	DOE/LX/07-2418&D2/R2, PPPO-02-5575396-19	RESPONSE TO COMMENTS RECEIVED ON THE D2/R1 FISCAL YEAR 2018 AND FISCAL YEAR 2019 SITE MANAGEMENT PLAN AND TRANSMITTAL OF THE D2/R2 SITE MANAGEMENT PLAN, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, ANNUAL REVISION-FISCAL YEAR 2018 AND FISCAL YEAR 2019 (DOE/LX/07-2418&D2/R2)	DOE	USEPA-4, KDEP	ENV 1.A-01828	9/19/2019
ARF ARR	08/29/19	DOE/LX/07-2418&D2/R2, FR-19-0259	CONCURRENCE WITH THE FISCAL YEAR 2018 AND FISCAL YEAR 2019 SITE MANAGEMENT PLAN ANNUAL REVISION AT THE PADUCAH GASEOUS DIFFUSION PLANT (DOE/LX/07-2418&D2/R2)	KDEP	DOE	ENV 1.A-01822	9/19/2019
ARF ARR	08/29/19	PPPO-02-5705778-19	FEDERAL FACILITY AGREEMENT BUDGET REPORTING-FISCAL YEAR 2021 BUDGET TARGET FUNDING GUIDANCE NOTIFICATION AND INTEGRATED PRIORITY LIST	DOE	USEPA-4, KDEP	ENV 1.A-01829	9/19/2019
ARF ARR	08/30/19	DOE/LX/07-2418&D2/R2, FR-19-0260	EPA APPROVAL: FISCAL YEAR 2018 AND FISCAL YEAR 2019 SITE MANAGEMENT PLAN REVISION, PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, (DOE/LX/07-2418&D2/R2), PRIMARY DOCUMENT, TRANSMITTAL DATED AUGUST 20, 2019 (PPPO-02-5575396-19)	USEPA-4	DOE	ENV 1.A-01823	9/19/2019
ARF ARR	09/11/19	DOE/LX/07-2429&D1, FR-19-0267	EPA RESPONSE TO DEPARTMENT OF ENERGY CORRESPONDENCE (DOE/LX/07-2429&D1; JULY 19, 2019) REGARDING A NEW PROPOSAL TO MANAGE THE SWMU 513 SUMP AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY	USEPA-4	DOE	ENV 1.A-01826	9/19/2019
ARF ARR	09/11/19	PPPO-02-5725785-19	RESPONSE TO NOTIFICATION OF INVOCATION OF INFORMAL DISPUTE CONCERNING FEDERAL FACILITY AGREEMENT GRANT NEGOTIATIONS BETWEEN THE U.S. DEPARTMENT OF ENERGY AND THE KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION	DOE	USEPA-4, KDEP	ENV 1.A-01833	9/19/2019

APPENDIX E

C-400 PROJECT GROUNDWATER MONITORING WELLS DATA

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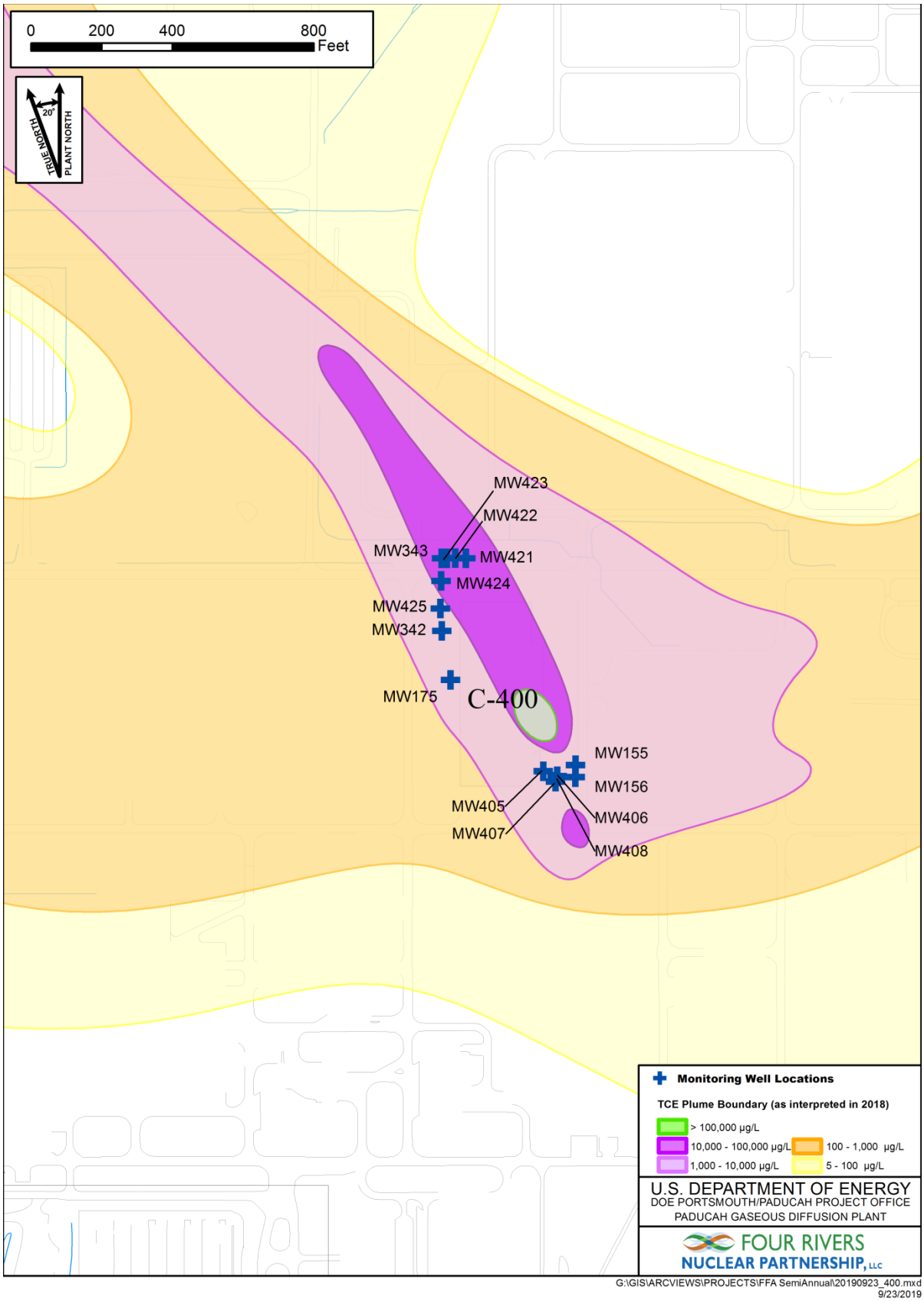

Figure E.1. C-400 Monitoring Wells

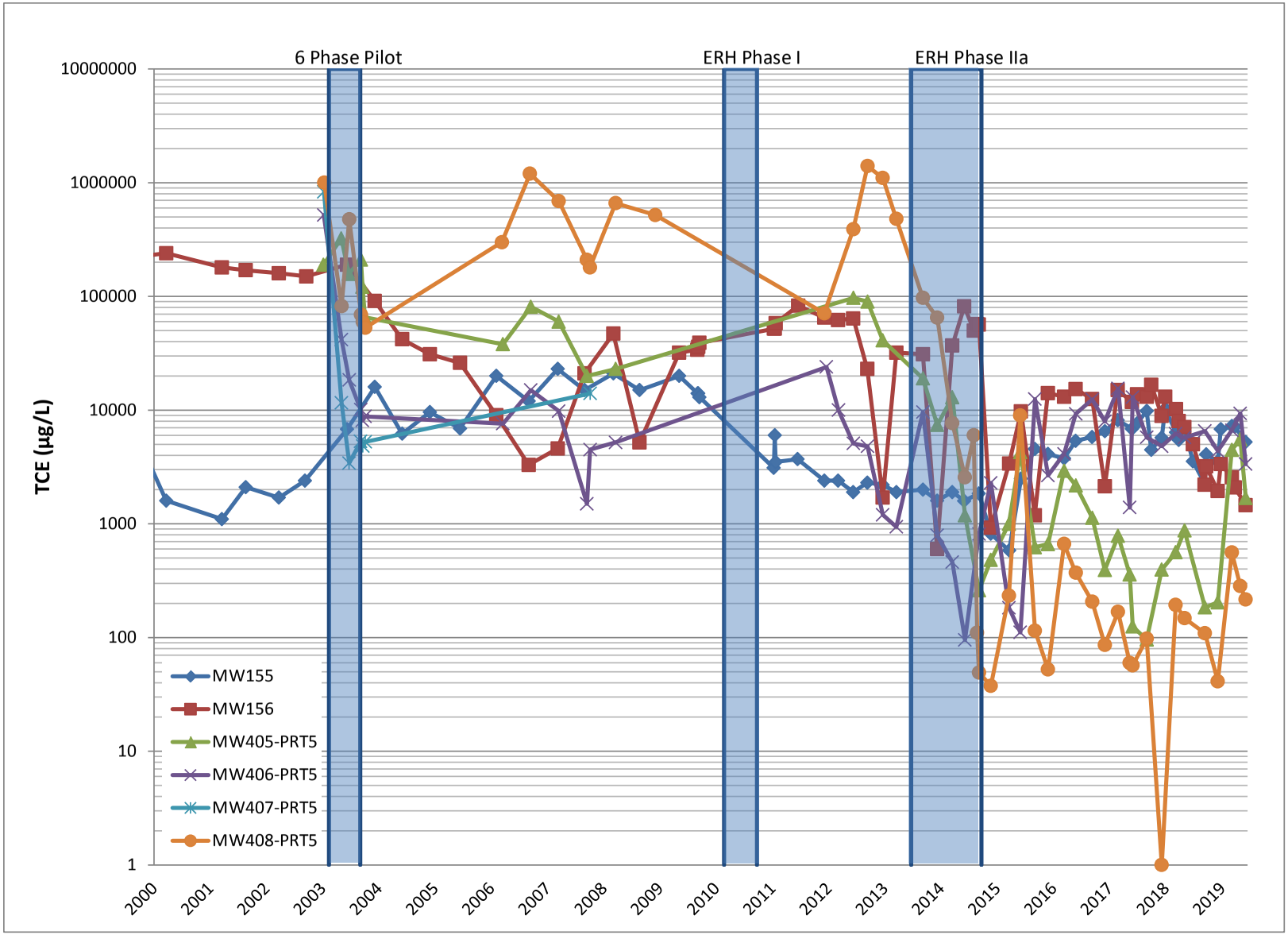

Figure E.2. C-400 TCE Trends in MWs in Source Areas

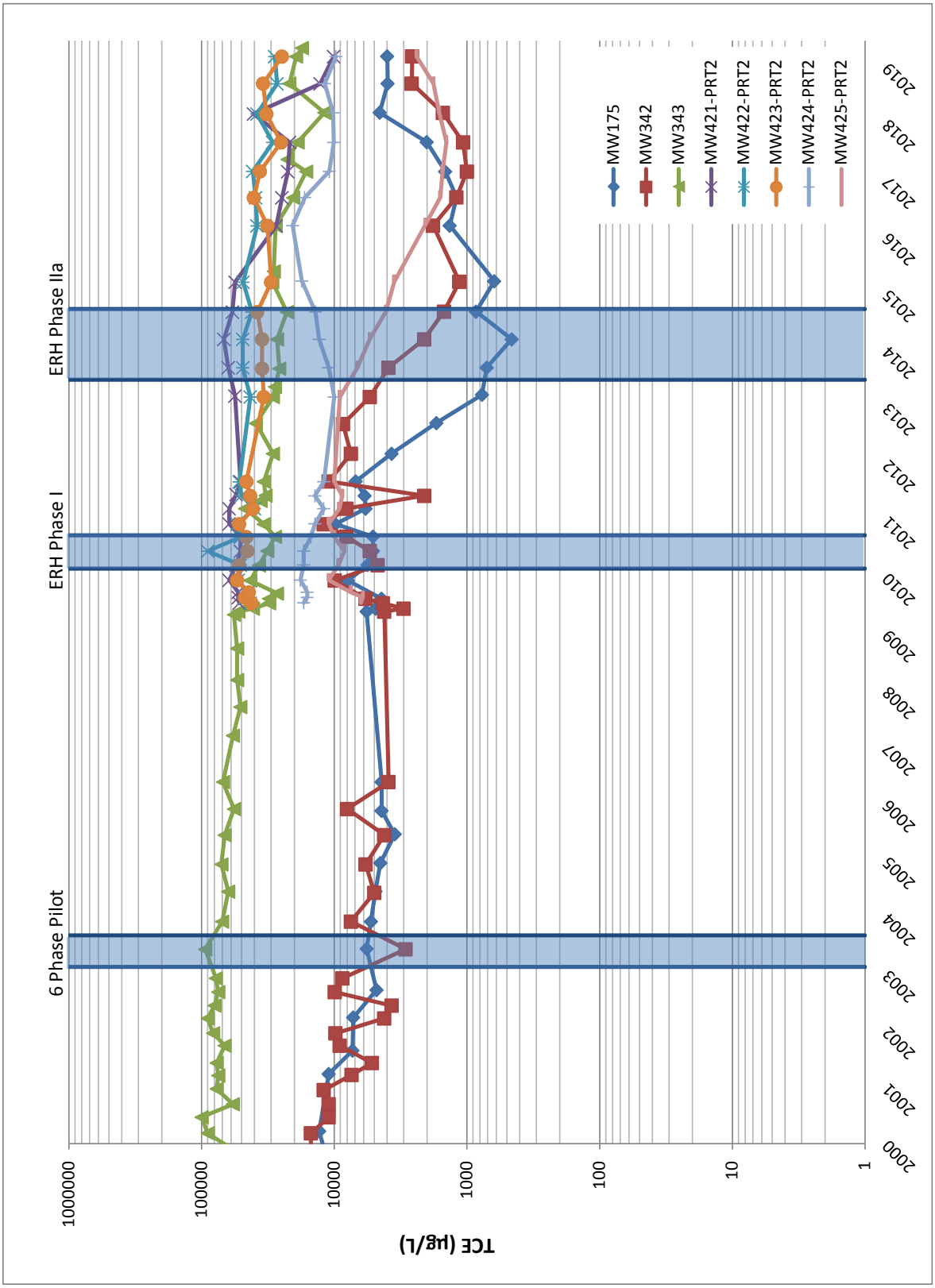

Figure E.3. C-400 TCE Trends in MWs Downgradient of Source Areas

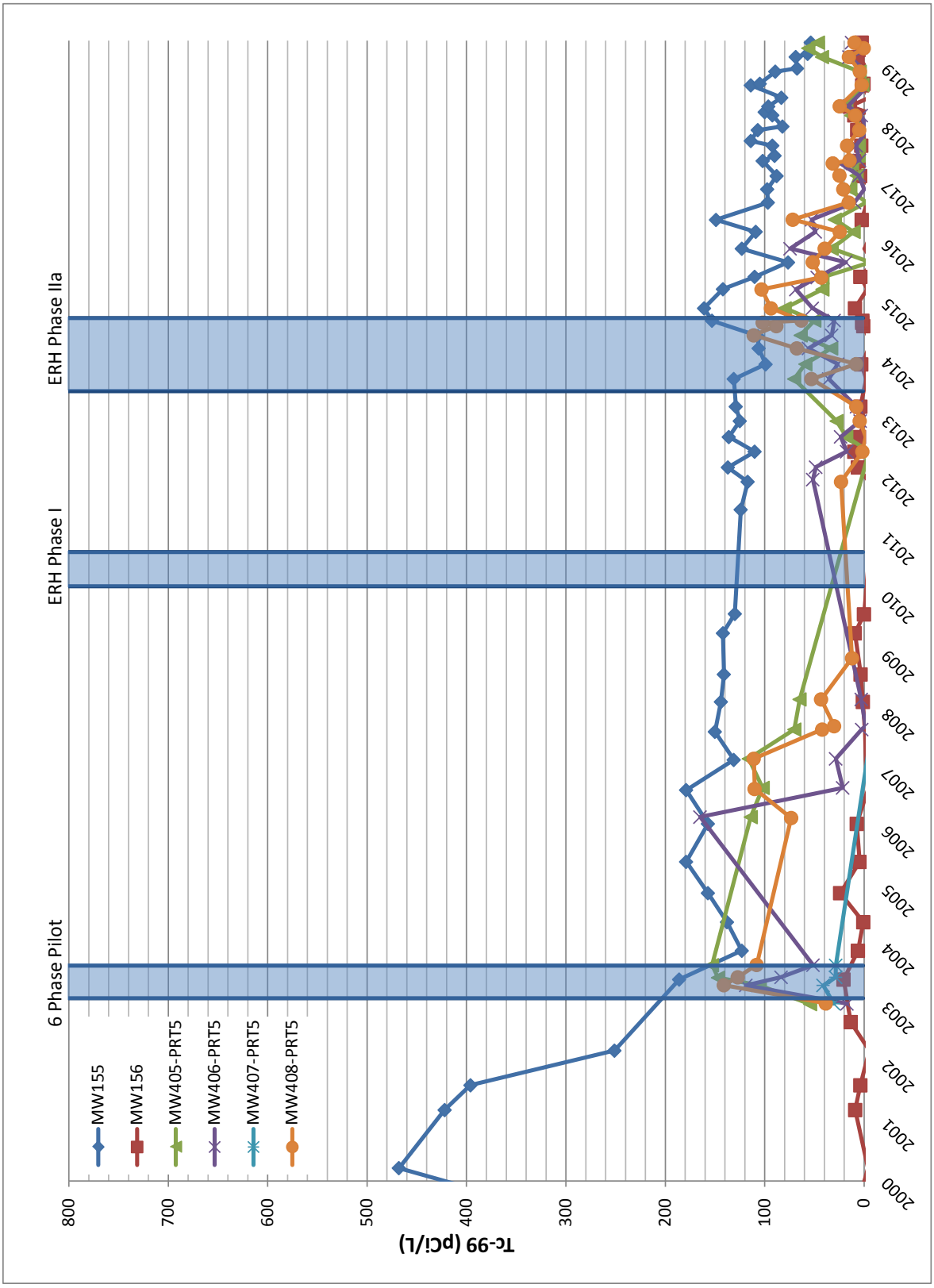

Figure E.4. C-400 Tc-99 Trends in MWs in Source Areas

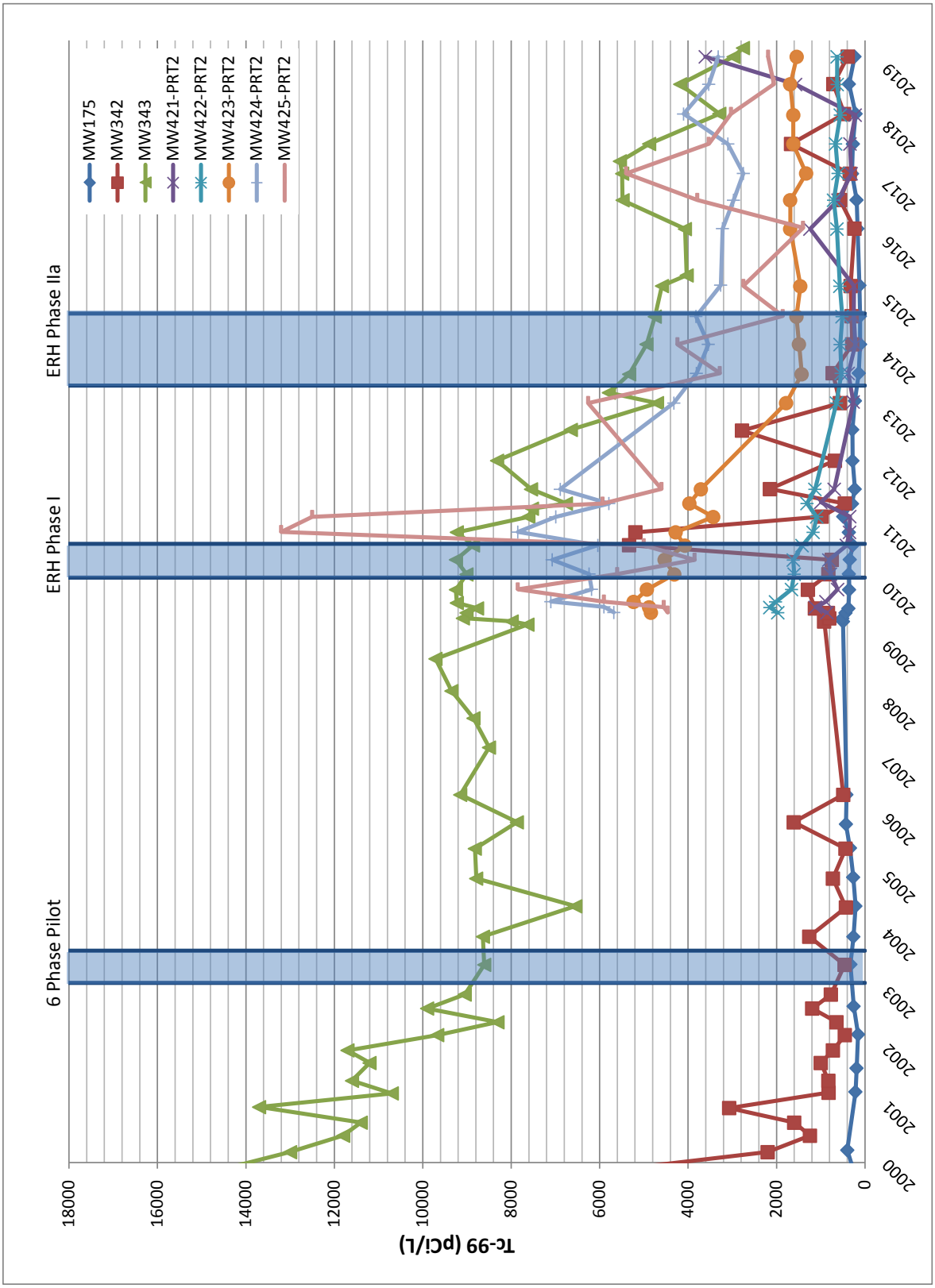

Figure E.5. C-400 Tc-99 Trends in MWs Downgradient of Source Areas

C-400 Monitoring

Water Quality Records for

MW155

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
9/10/2009	14000	< 1000			< 1000													C09254002003
9/10/2009	14000	< 200	< 200	< 200	< 200	< 1.12	93.2	130	< 0.005									C09253025001
9/15/2009	14000	< 500			< 500													C09258030001
9/22/2009	13000	< 500			< 500													C09265022002
1/19/2011	3100	< 25			< 25					< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11019028004
1/25/2011	6000	< 250			< 50													C11026001005
1/25/2011	3800	< 250			< 50													C11026001006
1/31/2011	3500	< 250			< 50													C11031038005
6/23/2011	3700	< 100	< 20	< 20	< 20	7.65	130	124	< 0.005									C11174017005
12/14/2011	2400	< 500			< 100	< 3.61	111	117	< 0.005									C11348018003
3/13/2012	2400	< 50			< 50	< 2.35	89.7	137	< 0.005									C12073014001
6/19/2012	1900	< 250			< 50	6.46	121	110	< 0.005									C12171014003
9/19/2012	2300	< 20			< 20	< 3.19	131	136	< 0.005									C12263022001
12/28/2012	2200	< 20			< 20			125										C12363012001
12/28/2012	2200	< 20			< 20			120										C12363012002
3/27/2013	1900	< 20			< 20			129										C13086008001
9/16/2013	2000	< 100			< 20			131										C13259034001
12/17/2013	1600	< 20			< 20			98.6										C13351094006
12/17/2013	1600	< 20			< 20			99.1										C13351094007
3/26/2014	1900	< 20			< 20			106										C14085027001
6/12/2014	1590	< 25			< 25			107										350627004

Wednesday, October 02, 2019

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW155

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
9/15/2014	1850	0.44			0.31			153										356931002
12/2/2014	817	< 1			< 1			160										362435001
12/2/2014	810	< 1			< 1			161										362435002
3/31/2015	583	< 10			< 10			142										369938002
6/16/2015	2500	< 50			< 50			110										375398002
9/14/2015	4560	< 100			< 100			76.5										381234002
12/8/2015	4110	< 50			< 50			120										387183002
12/8/2015	4080	< 50			< 50			123										387183003
3/23/2016	3760	< 50			< 50			109										393849001
6/6/2016	5370	< 100			< 100			149										398881002
9/21/2016	5800	< 100			< 100			96.7										406611002
12/13/2016	6320	< 100			< 100			97.5										412748002
12/13/2016	6520	< 100			< 100			88										412748003
3/7/2017	8160	< 100			< 100			87.9										418299002
6/8/2017	6840	< 100			< 100			102										425123001
7/11/2017	7650	< 100						90.1										427964006
9/12/2017	9830	< 200			< 200			92.2										432724002
10/11/2017	4470	< 100						114										435057002
10/11/2017	4130	< 50						113										435057003
12/18/2017	5720	< 100			< 100			107										440362003
12/18/2017	5260	< 100			< 100			87.5										440362002

Wednesday, October 02, 2019

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW155

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
1/10/2018	10300	< 200						82.1										441541002
3/21/2018	6370	< 100			< 100			92.3										446475002
4/9/2018	5450	< 100						100										447628003
5/15/2018	6950	< 100			< 100			96.3										450363001
7/9/2018	3550	< 200						83.2										454258002
9/24/2018	2250	< 50			< 50			114										460260001
10/4/2018	3970	< 50						103										461079002
10/4/2018	4080	< 50						105										461079003
12/18/2018	3530	< 50			< 50			86.1										467410002
12/18/2018	3550	< 50			< 50			89.2										467410001
1/7/2019	6800	< 100						67.5										468221001
3/20/2019	7230	< 100			< 100			68.7										474242002
4/8/2019	7160	< 100						56.8										475898002
6/18/2019	5240	< 100			< 100			53.7										482490001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW156

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
9/8/2009	34000	< 2000	< 2000	< 2000	< 2000	< 3.89	4.01	< 0.0531	< 0.005									C09252004001
9/8/2009	34000	< 5000			< 5000													C09252006001
9/15/2009	36000	< 5000			< 5000													C09258030002
9/22/2009	39000	< 5000			< 5000													C09265022001
1/20/2011	52000	< 1000			< 1000					< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11020026003
1/25/2011	52000	< 2500			< 500													C11026003001
1/31/2011	58000	< 2500			< 500													C11031038006
6/27/2011	83000	< 5000	< 1000	< 1000	< 1000	< 3.86	5.6	< -8.94	< 0.005									C11178014001
12/14/2011	65000	< 5000			< 1000	< 2.55	7.54	< -5.13	< 0.005									C11348018004
3/13/2012	62000	< 2000			< 2000	6.83	< 4.93	< 6.21	< 0.005									C12073014002
6/19/2012	64000	< 5000			< 1000	< 6.32	< 6.31	< 9.77	< 0.005									C12171014004
9/19/2012	23000	< 500			< 500	< 3.24	< 5.54	< 5.12	< 0.005									C12263022002
12/28/2012	1700	< 500			< 500			< -0.798										C12363012003
3/27/2013	32000	< 1000			< 1000			< 3.7										C13086008002
9/16/2013	31000	< 2500			< 500			< -2.19										C13259034002
12/17/2013	600	< 500			< 500			< 2.71										C13351094008
3/26/2014	37000	< 500			< 500			< -4.56										C14085027002
6/12/2014	81800	< 1000			< 1000			< -3.61										350627005
8/13/2014	50000	< 20			< 20			< 0.723										160-7947-6
9/3/2014	57000	< 40			< 40			< 1.81										160-8215-12
9/15/2014	56500	15.2			3.67			< 1.62										356931003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW156

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
12/2/2014	925	< 500			8.79			< 9.1										362435003
3/31/2015	3390	< 500			< 500			< -3.32										369938003
6/16/2015	9720	< 500			< 500			< 3.72										375398003
6/16/2015	8270	< 500			< 500			< 1.43										375398004
9/14/2015	1190	< 50			< 50			< -9.6										381234003
12/8/2015	14100	< 500			< 500			< -0.175										387183001
3/23/2016	13100	170			< 50			< -8.5										393849002
6/6/2016	14600	< 500			< 500			< 1.33										398881001
6/6/2016	15300	< 500			< 500			< 2.38										398881003
9/21/2016	12500	< 500			< 500			< -2.91										406611003
12/13/2016	2140	< 100			< 100			< -7.97										412748001
3/7/2017	15000	< 500			< 500			< 3.88										418299003
6/8/2017	10300	< 500			< 500			< 5.59										425123003
6/8/2017	11800	< 500			< 500			< -5.94										425123002
7/11/2017	13800	< 500						< -8.3										427964007
7/11/2017	13700	< 500						< -2.35										427964008
9/12/2017	13100	< 500			< 500			< 2.86										432724003
10/11/2017	16700	116						< -6.64										435057004
12/18/2017	8910	71.2			9.11			< 6.73										440362001
1/10/2018	13100	< 250						< -4.91										441541001
3/21/2018	10200	< 250			< 250			< 9.83										446475003

Wednesday, October 02, 2019

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW156

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
4/9/2018	6580	< 250						< -4.14										447628004
4/9/2018	8010	< 250						< -3.04										447628005
5/15/2018	7090	< 250			< 250			< 14.2										450363002
5/15/2018	7020	< 250			< 250			< -5.19										450363003
7/9/2018	5020	< 250						< -5.22										454258003
9/24/2018	2210	< 100			< 100			< 1.84										460260002
10/4/2018	3200	< 50						< 0.537										461079001
12/18/2018	1940	< 50			< 50			< -1.65										467410003
1/7/2019	3350	19						< -3.11										468221002
3/20/2019	2570	17.5			< 50			< 6.56										474242003
4/8/2019	1950	< 50						< -5.27										475898003
4/8/2019	2090	< 50						< -7.21										475898004
6/18/2019	1460	< 50			< 50			< 2.42										482490002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW175

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
6/16/2009	4900	< 50			< 50	11.7	447	508	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09168007001
7/20/2009	4400	< 250			< 50	< 3.65	415	438	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09201015001
8/18/2009	4400	< 50			< 50	9.43	416	375	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09230023001
12/14/2009	7900	< 250			< 50	< -0.722	363	357	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09348024001
3/24/2010	5600	< 50			< 50	< 1.61	211	360	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10083023001
6/23/2010	5100	< 250			< 50	12.9	301	315	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10174017002
6/23/2010	4800	< 250			< 50	< 4.95	292	343	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10174017001
9/23/2010	5100	< 250			< 50	7.46	226	275	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10266013001
12/13/2010	9800	< 250			< 50	26.6	274	363	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10347023005
3/23/2011	5800	< 100			< 100	24.3	366	488	< 0.005	< 167	< 176	< 137	< 98	< 118	< 68.6	6730	< 88.2	C11082024002
6/13/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106040-01
6/13/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106040-02
6/13/2011	5900	< 250			< 50	9.43	190	267	< 0.005									C11165011003
6/13/2011	5900	< 250			< 50	13.5	201	292	< 0.005									C11165011004
9/14/2011	6900	< 250			< 50	< -1.01	218	228	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11257087005
3/12/2012	3700	< 50			< 50	< 5.16	156	279	< 0.005									C12072031011
9/25/2012	1700	< 20			< 20	< 3.18	245	282	< 0.005									C12269015003
9/25/2012	1700	< 20			< 20	< 3.25	245	284	< 0.005									C12269015004
3/27/2013	770	< 10			< 10			226										C13086008003
9/18/2013	710	< 100			< 20			139										C13261023005
3/20/2014	460	< 5			< 5			102										C14079018002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW175

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
3/20/2014	460	< 5			< 5			110										C14079018001
9/15/2014	855	< 10			< 10			111										356931004
3/30/2015	575	< 10			5.2			98.2										369938004
3/30/2015	623	< 10			6.1			124										369938005
3/23/2016	1350	< 20			< 20			160										393849003
3/23/2016	1330	< 20			< 20			167										393849004
9/21/2016	1200	< 20			< 20			189										406611004
3/7/2017	1460	< 20			< 20			285										418299004
3/7/2017	1420	< 20			< 20			293										418299005
9/12/2017	2010	< 50			< 50			272										432724001
3/22/2018	4550	< 100			< 100			208										446481002
3/22/2018	4340	< 50			< 50			211										446481001
9/26/2018	3960	< 100			< 100			360										460380002
3/20/2019	3690	< 100			< 100			235										474242005
3/20/2019	3990	< 100			< 100			225										474242004

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW178

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
12/19/2018	63.9	< 1			1.05			95.8										467410004
3/20/2019	68.8	< 1			1.39			115										474242006
6/18/2019	68.9	< 1			1.14			111										482490003

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW341

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
9/23/2009	17000	< 1000	< 200	< 1000	< 200	6.77	200	251	< 0.005									C09266034004
3/10/2010	15000	< 200	< 200	< 200	< 200	< 2.42	193	207	< 0.005									C10069026006
9/13/2010	19000	< 200	< 200	< 200	< 200	< 3.35	132	213	< 0.005									C10256039001
6/2/2011	15000	< 1000	< 200	< 200	< 200	< 4.37	159	172	< 0.005									C11153017005
6/2/2011	15000	< 1000	< 200	< 200	< 200	6.41	174	172	< 0.005									C11153017006
5/17/2013	5200	< 250	< 50	< 50	< 50			166										C13137015004
5/17/2013	5100	< 250	< 50	< 50	< 50			150										C13137015003
6/1/2015	4460	< 1	0.33	< 1	1.28			138										374452005
5/24/2017	3460	< 50	< 50	< 50	< 50			310										424148013
7/13/2017	4280	< 50						257										427964014
10/11/2017	3790	< 50						345										435057005
1/11/2018	3520	< 1						354										441547001
4/5/2018	6010	< 100						309										447608009
7/10/2018	6950	3.1						183										454274004
10/4/2018	7260	< 100						171										461079008
12/18/2018	5220	< 100			< 100			122										467410005
1/7/2019	5860	< 100						119										468221006
3/20/2019	5930	< 100			< 100			99.1										474242007
3/20/2019	5860	< 100			< 100			100										474242008
4/8/2019	5400	< 100						109										475898009
5/13/2019	4650	< 100	< 100	< 100	< 100			74.5										479291003

Wednesday, October 02, 2019

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW341

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
5/13/2019	5860	< 100	< 100	< 100	< 100			89.9										479291004
6/6/2019	6220	< 100			< 100			99.3										481177002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW342

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
6/16/2009	3000	< 50			< 50	16.7	616	805	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09168006001
7/20/2009	4300	< 250			< 50	< -0.785	510	837	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09201016001
8/18/2009	5800	< 50			< 50	16	985	1130	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09230024001
12/14/2009	9500	< 250			< 50	< -6.46	978	1290	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09348024002
12/14/2009	9900	< 250			< 50	< 0.633	926	1280	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09348024003
3/23/2010	4700	< 50			< 50	10.3	386	827	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10082025007
6/22/2010	5400	< 250			< 50	11.4	642	750	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10173039001
9/23/2010	7600	< 250			< 50	< -52	3690	5330	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10266013002
9/23/2010	8100	< 250			< 50	< -57.1	3720	4720	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10266013003
12/13/2010	12000	< 200			< 200	41	4120	5000	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10347023002
12/13/2010	12000	< 200			< 200	56	3960	5190	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10347023003
3/23/2011	8100	< 100			< 100	26.8	835	980	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.32	< 0.09	C11082024001
6/14/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-01
6/14/2011	2100	< 500			< 100	28.8	457	456	< 0.005									C11165038001
9/14/2011	11000	< 250			< 50	< -9.47	1800	2150	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11257087003
9/14/2011	10000	< 250			< 50	< -4.68	1750	1930	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11257087004
3/12/2012	7500	< 100			< 100	< 2.56	420	678	< 0.005									C12072031010
9/19/2012	8600	< 100			< 100	10.4	2820	2780	< 0.005									C12263022003
3/12/2013	5400	< 100			< 100			564										C13072002001
9/18/2013	3900	< 500			< 100			728										C13261023004
3/20/2014	2100	< 20			< 20			287										C14079016010

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW342

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
9/15/2014	1490	5.8			0.6			303										356931001
3/26/2015	1140	5.96			0.66			322										369707001
3/23/2016	1800	< 25			< 25			237										393849005
9/21/2016	1200	< 25			< 25			562										406611001
3/7/2017	1000	< 20			< 20			341										418299006
9/11/2017	1070	< 20			< 20			1670										432728002
3/21/2018	1520	5.91			0.58			467										446475004
9/26/2018	2610	10.6			< 20			714										460380003
3/20/2019	2590	< 50			< 50			390										474242001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW343

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
6/16/2009	41000	< 500			< 500	82.1	6710	9090	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09168007002
7/20/2009	31000	< 2500			< 500	< 4.65	6730	9010	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09201066001
8/18/2009	31000	< 400			< 400	19.7	7420	8770	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09230023002
9/21/2009	27000	< 1000	< 200	< 1000	< 200	< -119	6980	9230	< 0.005									C09265006005
12/14/2009	43000	< 2000			< 400	< -176	6970	9250	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09348027001
3/22/2010	37000	< 250			< 250	92.1	5660	9010	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10082005002
3/22/2010	37000	< 250			< 250	37.4	6850	< 8920	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10082005001
3/22/2010	37000	< 400	< 250	< 250	< 250	< -90.6	5370	8960	< 0.005									C10082002001
6/22/2010	32000	< 2500			< 500	22	6440	9250	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10173027001
9/22/2010	28000	< 2500			< 500	< -114	6340	8860	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10265020004
12/13/2010	34000	< 2500			< 500	< -77.3	6970	9230	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10347023006
3/22/2011	39000	< 400			< 400	134	5310	7600	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.53	< 0.09	C11081023003
3/22/2011	47000	< 400			< 400	46.5	6570	7610	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.13	< 0.09	C11081023004
5/12/2011	36000	< 2500	< 500	< 500	< 500	150	5510	7530	< 0.005									C11132027003
6/15/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-02
6/15/2011	33000	< 2000			< 400	< -4.39	7110	6760	< 0.005									C11166026001
9/13/2011	34000	< 2000			< 400	< -144	6990	7550	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11256012004
3/12/2012	28000	< 400			< 400	< -85.1	4680	8320	< 0.005									C12072031006
3/12/2012	29000	< 400			< 400	< -56.9	4670	7030	< 0.005									C12072031007
9/24/2012	39000	< 500			< 500	< -23.7	4970	6650	< 0.005									C12268086002
3/12/2013	29000	< 400			< 400			4700										C13072002002

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW343

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
5/17/2013	28000	< 1000	< 200	< 200	< 200			5790										C13137019001
9/12/2013	25000	< 1000			< 200			5330										C13255009004
9/12/2013	26000	< 1000			< 200			5150										C13255009005
3/20/2014	27000	< 200			< 200			4940										C14079016011
9/12/2014	22000	< 50			< 50			4750										356931005
9/12/2014	22800	< 50			< 50			4710										356931006
3/26/2015	29300	9.73			2.09			4590										369707002
6/1/2015	28600	< 500	< 500	< 500	< 500			4030										374452006
3/21/2016	27700	0.84			10.5			4070										393717001
9/19/2016	20400	< 250			< 250			5480										406359010
3/7/2017	16300	< 250			< 250			5490										418299007
5/24/2017	22500	< 500	< 500	< 500	< 500			5540										424148014
9/11/2017	18900	< 200			< 200			4880										432728003
3/22/2018	11900	< 250			< 250			3290										446481003
9/25/2018	21800	< 250			< 250			4180										460388001
3/19/2019	19400	< 500			< 500			2970										474190002
5/13/2019	17500	< 500	< 500	< 500	< 500			2760										479291005

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW405

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
6/23/2011	52000	< 2500	< 500	< 500	< 500	8.66	22.7	< 16.1	0.014									C11174017004

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW405-PRT5

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
6/20/2012	97000	< 5000			< 1000	< 4.86	15.7	< -4.94	< 0.005									C12172011001
9/20/2012	90000	< 1000			< 1000	< 0.778	14.6	< 17.9	< 0.005									C12264031001
12/28/2012	41000	< 1000			< 1000			27.7										C12363012004
9/16/2013	19000	< 1000			< 200			70.4										C13259034003
12/18/2013	7400	< 100			< 100			59.1										C13353003001
3/26/2014	13000	< 100			< 100			33.1										C14085027003
6/16/2014	1190	< 20			< 20			63.8										350866002
9/16/2014	261	2.45			< 5			50										356931007
12/2/2014	481	< 10			< 10			79.8										362435004
3/30/2015	1000	< 20			< 20			41.8										369938006
6/12/2015	4010	< 50			< 50			41.9										375132002
6/12/2015	4270	< 100	< 100	< 100	< 100			34.4										375135001
9/15/2015	622	< 10			< 10			< -6.41										381234004
12/9/2015	663	< 10			< 10			32.5										387183004
3/23/2016	2930	< 10			< 10			< 10.5										393849006
6/7/2016	2180	< 50			< 50			29.5										398881004
9/22/2016	1130	< 20			< 20			< -1.98										406611005
12/13/2016	393	< 5			< 5			< 13.9										412748004
3/9/2017	784	< 10			< 10			< 7.61										418299008
5/24/2017	358	< 10	< 10	< 10	< 10			< 12.1										424148017
6/12/2017	125	< 10			< 10			< -1.71										425662001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW405-PRT5

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
9/12/2017	96	< 2			< 2			< 5.3										432724004
12/18/2017	396	< 5			< 5			< -0.144										440362004
3/19/2018	562	< 10			< 10			< 12.9										446475005
5/16/2018	874	< 10			< 10			< 17.8										450363004
9/26/2018	184	< 10			< 10			< 1.67										460380004
12/18/2018	204	< 10			< 10			< 4.42										467410006
3/20/2019	4470	< 10			< 10			42.4										474242009
5/14/2019	5530	< 100	< 100	< 100	< 100			56.2										479297001
6/18/2019	1690	< 25			< 25			46.4										482490004

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW406

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
6/23/2011	6500	< 500	< 100	< 100	< 100	11.4	45.5	47.7	< 0.005									C11174017003

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW406-PRT5

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
12/28/2011	24000	< 500			< 100	7.77	54.5	51.5	< 0.005									C11362008002
3/15/2012	10000	< 100			< 100	< -2.11	45.3	48.6	< 0.005									C12075015001
6/20/2012	5100	< 500			< 100	< 1.89	23.6	< 17.5	< 0.005									C12172011002
9/20/2012	4800	< 100			< 100	< -0.0458	31.2	23.5	< 0.005									C12264031002
12/28/2012	1200	< 10			< 10			< 4.01										C12363012005
3/27/2013	940	< 20			< 20			< 7.56										C13086018001
9/16/2013	9600	< 100			< 20			35.5										C13259034004
12/18/2013	790	< 10			< 10			26.5										C13353003002
3/26/2014	460	< 5			< 5			55.9										C14085027004
6/16/2014	95.4	< 2			< 2			32.5										350866003
9/16/2014	812	< 10			< 10			30.1										356931008
12/2/2014	2290	1.1			0.87			52										362435005
3/30/2015	183	< 4			< 4			68.6										369938007
6/12/2015	111	< 2	< 2	< 2	< 2			43.2										375135002
6/12/2015	100	< 2			< 2			47.1										375132003
9/15/2015	12500	< 250			< 250			< 18.3										381234005
12/9/2015	2660	< 50			< 50			74.3										387183005
3/23/2016	4120	< 50			< 50			49										393849007
6/7/2016	9270	< 100			< 100			52.7										398881005
9/22/2016	12400	< 250			< 250			< 9.62										406611006
12/13/2016	7960	< 100			< 100			< -0.059										412748005

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW406-PRT5

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
3/9/2017	15500	< 250			< 250			< 5.12										418299009
5/24/2017	1390	< 25	< 25	< 25	< 25			23.6										424148018
6/12/2017	13000	< 250			< 250			< 4.63										425662002
9/12/2017	5760	< 100			< 100			< 8.05										432724005
12/18/2017	4810	< 100			< 100			< -2.88										440362005
3/19/2018	6210	< 100			< 100			< 2.75										446475006
5/16/2018	5740	< 100			< 100			< 16.2										450363005
9/26/2018	6540	< 100			< 100			< -4.57										460380005
12/18/2018	4370	< 100			< 100			< -2.89										467410007
3/20/2019	6650	< 100			< 100			< 15.2										474242010
5/14/2019	9370	< 100	< 100	< 100	< 100			< -7.15										479297002
6/18/2019	3350	< 100			< 100			< 12.5										482490005

Wednesday, October 02, 2019

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW407-PRT4

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
12/28/2011	4900	< 500			< 100	< 3.09	10.7	< 5.26	< 0.005									C11362008001
3/14/2012	14000	< 100			< 100	< 3.36	5.57	< -5.15	< 0.005									C12074017002
6/20/2012	13000	< 500			< 100	< 4.76	8.43	< 8.61	< 0.005									C12172011003
9/20/2012	13000	< 100			< 100	< 0.291	< 3.11	< -10.2	< 0.005									C12264031003
12/28/2012	7000	< 50			< 50			< 0.433										C12363012006
3/27/2013	14000	< 200			< 200			< 0.435										C13086018002
9/16/2013	24000	< 500			< 100			< 13.4										C13259034005
12/18/2013	7000	< 100			< 100			< 3.81										C13353003003
3/26/2014	2300	< 20			< 20			67.6										C14085027005
6/16/2014	32100	< 500			< 500			58.3										350866004
9/16/2014	23800	< 500			< 500			< 11.5										356931009
12/2/2014	13900	< 1			0.8			< 2.74										362435006
3/30/2015	10300	< 200			< 200			45.8										369938008
6/12/2015	18200	< 250			< 250			< 11.6										375132001
6/12/2015	18600	< 250	< 250	< 250	< 250			< 11.3										375135003
9/15/2015	671	< 10			< 10			55.1										381234006
12/9/2015	544	< 10			< 10			81										387183006
3/23/2016	3300	< 10			< 10			57.6										393849008
6/7/2016	9180	< 100			< 100			115										398881006
9/22/2016	9990	< 100			< 100			50.6										406611007
12/13/2016	2100	< 50			< 50			65.2										412748006

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW407-PRT4

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
3/9/2017	2810	< 50			< 50			54.3										418299010
5/24/2017	3710	< 100	< 100	< 100	< 100			53.1										424148019
6/12/2017	2960	< 40			< 40			49.4										425662003
9/12/2017	2160	< 50			< 50			59.4										432724006
12/18/2017	468	< 10			< 10			37.5										440362006
3/19/2018	696	< 10			< 10			29.9										446475007
5/16/2018	1360	< 10			< 10			29.4										450363006
9/26/2018	385	< 20			< 20			< -2.75										460380006
12/18/2018	97.1	< 1			< 1			< 7.99										467410008
3/20/2019	1190	< 20			< 20			< 15.3										474242011
5/14/2019	6590	< 100	< 100	< 100	< 100			29.7										479297003
6/18/2019	2880	< 50			< 50			28										482490006

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW408

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
6/23/2011	95000	< 5000	< 1000	< 1000	< 1000	< 2.51	13.3	< 14.5	< 0.005									C11174017001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW408-PRT5

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
12/14/2011	71000	< 5000			< 1000	< 1.93	32.9	23.2	< 0.005									C11348026001
6/20/2012	390000	< 20000			< 4000	< 3.79	12.2	< 1.58	< 0.005									C12172011004
9/20/2012	1400000	< 4000			< 4000	< -1.52	13.4	< -1.7	< 0.005									C12264031004
12/28/2012	1100000	< 5000			< 5000			< 4.33										C12363012007
3/27/2013	480000	< 10000			< 10000			< 7.73										C13086018003
9/16/2013	97000	< 2500			< 500			52.9										C13259034006
12/18/2013	65000	< 1000			< 1000			< 8.07										C13353003004
3/26/2014	7700	< 50			< 50			67.7										C14085027006
6/16/2014	2560	< 40			< 40			111										350866001
8/13/2014	6000	< 2			< 2			88.2										160-7947-7
9/3/2014	110	< 0.08			< 0.08			102										160-8215-10
9/16/2014	49.1	< 1			< 1			63										356931010
12/2/2014	37.6	< 1			< 1			93.7										362435007
3/30/2015	234	< 4			< 4			103										369938009
6/12/2015	3490	< 50			< 50			43.1										375132004
6/12/2015	8990	< 200	< 200	< 200	< 200			36										375135004
9/15/2015	115	< 2			< 2			51.5										381234001
12/9/2015	52.4	< 1			< 1			39.5										387183007
3/23/2016	665	0.94			0.84			24.5										393849009
6/7/2016	371	< 5			< 5			71.6										398881007
9/22/2016	207	< 5			< 5			< 15.4										406611008

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW408-PRT5

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
12/13/2016	86.2	< 1			< 1			20.9										412748007
3/9/2017	168	< 2			< 2			24.8										418299011
5/24/2017	59.8	< 1	< 1	< 1	< 1			31.5										424148020
6/12/2017	56.9	< 1			< 1			< 14.5										425662004
9/12/2017	97.9	< 2			< 2			17.1										432724007
12/18/2017	< 1	< 1			< 1			< 4.89										440362007
3/19/2018	194	< 1			< 1			< 8.91										446475008
5/16/2018	148	< 5			< 5			24.5										450363007
9/26/2018	109	< 5			< 5			< 2.41										460380007
12/18/2018	41.2	< 1			< 1			< 4.18										467410009
3/20/2019	560	< 5			< 5			< 15.1										474242012
5/14/2019	284	< 5	< 5	< 5	< 5			< 0.209										479297004
6/18/2019	216	< 5			< 5			< 9.66										482490007

Wednesday, October 02, 2019

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW421-PRT1

Sample Date Range: 6/16/2009 - 6/18/2019

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
7/21/2009	20000	< 1000			< 200	38	1780	1650	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09202027001
8/25/2009	21000	< 200			< 200	< -0.377	1300	1670	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09237029001
9/29/2009	22000	< 200			< 200	33	878	1240	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09273002001
12/16/2009	27000	< 1000			< 200	27.7	906	1160	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09350025004
3/23/2010	24000	< 200			< 200	15.5	1180	1780	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10082025004
6/23/2010	58000	< 500			< 500	18.4	1710	2340	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10172026001
9/21/2010	34000	< 500			< 500	15.1	826	1190	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10264016001
12/14/2010	28000	< 2500			< 500	9.44	789	916	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10348026001
3/23/2011	28000	< 250			< 250	< 4.35	623	859	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.06	< 0.09	C11082024003
6/22/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106092-01
6/22/2011	29000	< 2000			< 400	< -121	3300	3930	< 0.005									C11173026001
9/12/2011	32000	< 1000			< 200	9.06	2190	2500	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11255015001
3/19/2013	26000	< 400			< 400			912										C13078013003
9/17/2013	34000	< 2000			< 400			1750										C13260018001
3/19/2014	31000	< 400			< 400			761										C14078013004
9/10/2014	26000	< 500			< 500			944										356723001
3/24/2015	19300	< 500			< 500			892										369707003
3/21/2016	9860	21.5			0.54			4160										393717002
9/19/2016	10300	< 200			< 200			1750										406359001
3/7/2017	9260	< 200			< 200			898										418299001
9/11/2017	9440	< 100			< 100			1500										432728004

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW421-PRT1

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/14/2018	4980	11.9			0.4			770										446010001
9/24/2018	4510	< 100			< 100			4500										460260003
3/19/2019	6210	< 100			< 100			6210										474190003

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW421-PRT2

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/21/2009	52000	< 2500			< 500	15.2	830	856	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09202027002
8/25/2009	53000	< 500			< 500	6.73	865	1120	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09237029002
9/29/2009	53000	< 500			< 500	27.9	639	882	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09273002002
12/16/2009	62000	< 2500			< 500	4.74	475	618	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09350025005
3/23/2010	55000	< 500			< 500	12.7	417	777	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10082025005
6/21/2010	51000	< 500			< 500	26.9	514	813	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10172026002
9/21/2010	51000	< 500			< 500	8.44	255	416	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10264016002
12/14/2010	62000	< 500			< 500	10.4	280	348	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10348026002
3/23/2011	62000	< 500			< 500	8.6	220	340	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.15	< 0.09	C11082024004
6/22/2011	55000	< 2500			< 500	< -24.9	853	996	< 0.005									C11173026002
6/22/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106092-02
9/12/2011	51000	< 2000			< 400	14.5	582	694	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11255015002
3/19/2013	56000	< 500			< 500			265										C13078013004
9/17/2013	63000	< 2000			< 400			377										C13260018002
3/19/2014	68000	< 400			< 400			216										C14078013005
9/12/2014	58600	< 50			< 50			255										356931011
3/24/2015	55900	< 1000			< 1000			249										369707004
3/21/2016	27400	8.01			1.39			1240										393717003
9/19/2016	24800	< 500			< 500			609										406359002
3/7/2017	22400	< 500			< 500			311										418299012
9/11/2017	21700	< 500			< 500			339										432728001

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW421-PRT2

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/14/2018	40600	6.75			1.56			219										446010002
9/24/2018	12800	< 250			< 250			1570										460260004
3/19/2019	10100	< 250			< 250			3610										474190004

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW421-PRT3

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/21/2009	63000	< 2500			< 500	< 3.73	327	302	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09202027003
8/25/2009	66000	< 500			< 500	< 3.62	398	451	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09237029003
9/29/2009	61000	< 500			< 500	8.99	323	335	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09273002003
12/16/2009	77000	< 2500			< 500	4.67	226	345	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09350025006
3/23/2010	70000	< 500			< 500	12.8	218	376	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10082025006
6/21/2010	68000	< 500			< 500	< 4.02	278	251	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10173001001
9/21/2010	64000	< 500			< 500	6.83	215	285	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10264016003
12/14/2010	65000	< 500			< 500	< 5.08	209	278	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10348026003
3/23/2011	61000	< 500			< 500	19	186	278	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.34	< 0.09	C11082024005
6/22/2011	72000	< 2500			< 500	15.7	289	399	< 0.005									C11173026003
6/22/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106092-03
9/12/2011	67000	< 2500			< 500	5.7	272	313	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11255015003
3/12/2012	73000	< 500			< 500	5.39	177	283	< 0.005									C12072031003
9/25/2012	96000	< 1000			< 1000	< 1.59	225	211	< 0.005									C12270003002
3/19/2013	80000	< 1000			< 1000			216										C13078013005
9/17/2013	63000	< 2500			< 500			191										C13260018003
3/19/2014	67000	< 500			< 500			202										C14078013006
9/12/2014	62800	< 50			< 50			181										356931012
3/24/2015	45500	4.96			1.92			200										369707005
3/21/2016	49300	4.07			1.22			318										393717004
9/19/2016	49500	< 500			< 500			261										406359003

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Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW421-PRT3

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/7/2017	49600	< 1000			< 1000			155										418299013
9/11/2017	42100	< 1000			< 1000			194										432728005
3/14/2018	53200	7.28			2.36			180										446010003
9/24/2018	43600	< 1000			< 1000			574										460260005
3/19/2019	25100	< 1000			< 1000			63.1										474190005

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW422-PRT1

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/21/2009	10000	< 500			< 100	< -96.7	10400	13600	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09202018001
8/24/2009	13000	< 100			< 100	95	12900	15600	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09237007001
9/28/2009	12000	< 100			< 100	59.7	14200	16900	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09271021004
12/16/2009	16000	< 1000			< 200	< -15.7	10200	13900	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09350025001
3/23/2010	14000	< 100			< 100	< -25.6	8460	13400	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10082025001
6/21/2010	14000	< 100			< 100	< -60.6	11600	15500	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10173001002
9/20/2010	15000	< 200			< 200	< -51	8500	12900	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10263039004
12/13/2010	23000	< 1000			< 200	< -3.47	5090	6610	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10347024004
3/22/2011	20000	< 200			< 200	87.5	4860	6410	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11081023005
6/15/2011	14000	< 1000			< 200	< -13.8	7910	9730	< 0.005									C11166026002
6/15/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-03
9/12/2011	16000	< 1000			< 200	< -54.7	10600	12300	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11255022001
3/13/2013	16000	< 250			< 250			6720										C13072022004
9/17/2013	17000	< 500			< 100			14200										C13260018004
3/19/2014	15000	< 100			< 100			5800										C14078013007
9/12/2014	10800	32.8			< 25			10400										356931013
3/24/2015	9330	< 100			< 100			7120										369707006
3/21/2016	4720	43.2			0.4			10800										393717005
9/19/2016	4490	34			< 100			14900										406359004
3/8/2017	7020	< 100			< 100			7680										418299014
9/11/2017	4230	< 100			< 100			15000										432728006

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW422-PRT1

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/14/2018	4910	42			< 100			7480										446010004
9/24/2018	2750	< 100			< 100			6210										460260006
3/19/2019	2950	50.5			< 50			10100										474190006

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW422-PRT2

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/21/2009	43000	< 2500			< 500	32.8	1570	1970	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09202019001
8/24/2009	47000	< 500			< 500	28.2	1650	2150	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09237008001
9/28/2009	45000	< 500			< 500	18.5	1490	2020	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09271021005
12/16/2009	53000	< 2500			< 500	16.1	1110	1660	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09350025002
3/23/2010	51000	< 500			< 500	24	823	1600	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10082025002
6/21/2010	90000	< 400			< 400	17.5	1060	1620	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10173001003
9/20/2010	51000	< 1000			< 1000	9.61	808	1420	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10263039005
12/13/2010	54000	< 2500			< 500	41.2	789	1170	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10347024005
3/22/2011	40000	< 500			< 500	27.3	823	1090	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.44	< 0.09	C11081023006
6/15/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-04
6/15/2011	50000	< 2500			< 500	35.3	1000	1310	< 0.005									C11166026003
9/12/2011	52000	< 2000			< 400	10.6	900	1130	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11255022002
3/13/2013	43000	< 500			< 500			643										C13072022005
9/17/2013	49000	< 2000			< 400			535										C13260018005
3/19/2014	49000	< 400			< 400			559										C14078013008
9/12/2014	41800	< 50			< 50			514										356931014
3/24/2015	48700	< 100			< 100			567										369707007
3/21/2016	38200	3.2			1.2			634										393717006
9/19/2016	39200	< 500			< 500			707										406359005
3/8/2017	41200	< 500			< 500			608										418299015
9/11/2017	29100	< 500			< 500			663										432728007

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW422-PRT2

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/14/2018	38300	< 500			< 500			558										446010005
9/24/2018	27000	< 500			< 500			629										460260007
3/19/2019	28100	< 500			< 500			629										474190007

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW422-PRT3

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/21/2009	45000	< 2500			< 500	< -0.394	1650	2310	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09202019002
8/24/2009	46000	< 500			< 500	15.4	1380	1960	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09237008002
9/28/2009	45000	< 500			< 500	15.5	1560	1940	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09271021006
12/16/2009	58000	< 2500			< 500	20.7	1230	1630	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09350025003
3/23/2010	53000	< 500			< 500	19.6	866	1490	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10082025003
6/21/2010	72000	< 1000			< 1000	15.1	883	1520	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10173001004
9/20/2010	61000	< 1000			< 1000	16.3	777	1320	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10263039006
12/13/2010	54000	< 2500			< 500	22.6	782	1070	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10347024006
3/22/2011	54000	< 500			< 500	23.3	677	1010	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.36	< 0.09	C11081023007
6/15/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-05
6/15/2011	49000	< 2500			< 500	13.5	864	1140	< 0.005									C11166026004
9/12/2011	53000	< 2000			< 400	7.69	718	910	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11255022003
3/12/2012	69000	< 500			< 500	< 4.11	575	774	< 0.005									C12072031004
9/25/2012	48000	< 1000			< 1000	< 4.02	524	631	< 0.005									C12270003001
3/13/2013	35000	< 500			< 500			559										C13072022006
9/17/2013	47000	< 2000			< 400			535										C13260018006
3/19/2014	49000	< 400			< 400			543										C14078013009
9/12/2014	46700	< 50			< 50			496										356931015
3/24/2015	44600	< 100			< 100			550										369707008
3/21/2016	37800	3.13			1.09			635										393717007
9/19/2016	44300	< 500			< 500			678										406359006

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW422-PRT3

Sample Date Range: 6/16/2009 - 6/18/2019

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/8/2017	39700	< 500			< 500			622										418299016
9/11/2017	25200	< 500			< 500			623										432728008
3/14/2018	37300	< 500			< 500			605										446010006
9/24/2018	29100	< 500			< 500			620										460260008
3/19/2019	29500	< 500			< 500			652										474190008

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW423-PRT1

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/22/2009	13000	< 500			< 100	< -60	8610	10400	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09203009001
8/25/2009	12000	< 200			< 200	81	9720	12100	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09237022001
9/28/2009	11000	< 100			< 100	87.3	11100	14000	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09271021001
12/15/2009	15000	< 1000			< 200	< -236	11500	14400	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09349015001
3/22/2010	15000	64			< 25	45.5	8550	13800	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10082005003
6/22/2010	12000	< 500			< 100	< -79.6	10100	13400	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10173027002
9/20/2010	12000	< 200			< 200	52.9	9500	16000	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10263039001
12/13/2010	18000	< 500			< 100	< -161	8180	10800	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10347024001
3/21/2011	15000	< 200			< 200	95.2	6870	8960	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11080075002
6/14/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-06
6/14/2011	15000	< 500			< 100	< -273	9620	9790	< 0.005									C11165038005
9/13/2011	14000	< 1000			< 200	< -18.7	8820	10500	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11256012001
3/13/2013	18000	< 200			< 200			9070										C13072009001
9/12/2013	13000	< 1000			< 200			14900										C13255083001
3/20/2014	13000	< 100			< 100			8350										C14079016004
9/12/2014	8980	32.8			< 25			9080										356931016
3/24/2015	8970	35.5			< 50			8220										369707009
3/21/2016	3350	35.7			0.4			8560										393717008
9/19/2016	4890	41.5			< 50			12600										406359007
3/8/2017	4520	< 100			< 100			8980										418299017
9/11/2017	3370	22.5			< 50			13000										432728009

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW423-PRT1

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/14/2018	3410	44.5			< 50			10300										446010007
9/25/2018	2720	53.5			< 50			4530										460388002
3/19/2019	1980	38.5			< 50			7090										474190009

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW423-PRT2

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/22/2009	42000	< 2500			< 500	< -8.97	3760	4840	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09203009002
8/25/2009	47000	< 500			< 500	34.3	3420	4880	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09237022002
9/28/2009	44000	< 500			< 500	35.8	3820	5230	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09271021002
12/15/2009	54000	< 2500			< 500	< -51.8	3650	4930	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09349015002
3/22/2010	52000	< 500			< 500	40.2	2260	4310	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10082005004
6/22/2010	45000	< 2500			< 500	< -2.09	3050	4530	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10173027003
9/20/2010	46000	< 500			< 500	14.3	2590	4070	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10263039002
12/13/2010	52000	< 2500			< 500	42.7	2070	4280	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10347024002
3/21/2011	41000	< 500			< 500	114	1990	3430	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.15	< 0.09	C11080075003
6/14/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-07
6/14/2011	43000	< 2500			< 500	< -23.6	2810	3970	< 0.005									C11165038006
9/13/2011	46000	< 2000			< 400	< -37.2	2730	3710	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11256012002
3/13/2013	34000	< 500			< 500			1780										C13072009002
9/12/2013	35000	< 2000			< 400			1430										C13255083002
3/20/2014	35000	< 400			< 400			1490										C14079016005
9/12/2014	38100	< 500			< 500			1550										356937007
3/24/2015	29900	< 1000			< 1000			1460										369707010
3/21/2016	31900	2.39			1.49			1690										393717009
9/19/2016	40400	< 500			< 500			1690										406359008
3/8/2017	36300	< 500			< 500			1330										418299018
9/11/2017	25200	< 500			< 500			1620										432728010

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW423-PRT2

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/14/2018	32500	< 500			< 500			1620										446010008
9/25/2018	34400	< 500			< 500			1690										460388003
3/19/2019	24800	< 500			< 500			1540										474190010

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW423-PRT3

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/22/2009	42000	< 2500			< 500	< -4.38	2660	4350	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09203009003
8/25/2009	47000	< 500			< 500	23.4	2850	4440	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09237022003
9/28/2009	14000	< 500			< 500	97.8	10600	13500	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09271021003
12/15/2009	53000	< 2500			< 500	< -48.6	2970	4030	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09349015003
3/22/2010	51000	< 500			< 500	43.5	1960	3810	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10082005005
6/22/2010	49000	< 2500			< 500	5.16	2930	3850	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10173027004
9/20/2010	50000	< 500			< 500	34.3	2080	3730	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10263039003
12/13/2010	50000	< 2500			< 500	19	2120	3140	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	0.15	< 0.09	C10347024003
3/21/2011	41000	< 500			< 500	89.1	1880	2900	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.12	< 0.09	C11080075004
6/14/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-08
6/14/2011	43000	< 2500			< 500	< -17.1	2540	3680	< 0.005									C11165038007
9/13/2011	47000	< 2000			< 400	< -27.3	2490	2990	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11256012003
3/12/2012	37000	< 500			< 500	< -9.6	1620	2350	< 0.005									C12072031005
9/24/2012	67000	< 500			< 500	19.2	1550	1820	< 0.005									C12268086001
3/13/2013	34000	< 500			< 500			1800										C13072009003
9/12/2013	35000	< 2000			< 400			1730										C13255083003
3/20/2014	36000	< 400			< 400			1480										C14079016006
9/13/2014	38300	< 50			< 50			1500										356931017
3/24/2015	34900	< 1000			< 1000			1470										369707011
3/21/2016	32800	2.35			0.98			1820										393717010
9/19/2016	37800	< 500			< 500			1600										406359009

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW423-PRT3

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/8/2017	31800	< 500			< 500			1230										418299019
9/11/2017	26800	< 500			< 500			1670										432728011
3/14/2018	32500	< 500			< 500			1570										446010009
9/25/2018	30100	< 500			< 500			1870										460388004
3/19/2019	28000	< 500			< 500			1460										474190011

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW424-PRT1

Sample Date Range: 6/16/2009 - 6/18/2019

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
7/23/2009	7200	< 500			< 100	< -7	2300	1790	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09204021001
8/27/2009	7100	< 50			< 50	< 3.09	2680	3330	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09239018001
9/30/2009	7700	< 100			< 100	125	4580	6150	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09273021001
12/17/2009	9200	< 100			< 100	< -31.9	7760	10000	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09351022002
3/24/2010	7900	< 100			< 100	86.8	4420	6540	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10083023002
6/23/2010	7900	< 250			< 50	14	4020	5080	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10174017003
9/22/2010	7900	< 1000			< 200	< -79.8	7420	10300	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10265020001
12/15/2010	8400	< 100			< 100	< -325	9940	13900	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10349020001
6/14/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-09
6/14/2011	7900	< 500			< 100	< -211	7890	8220	< 0.005									C11165038002
9/13/2011	9000	< 500			< 100	< -150	5730	6730	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11256019001
3/13/2013	7900	< 100			< 100			10300										C13072022001
9/17/2013	5900	< 250			< 50			5540										C13260018007
3/20/2014	3900	< 50			< 50			6530										C14079016007
9/13/2014	2630	18.8			< 25			3070										356931018
3/26/2015	2520	18.5			< 50			5140										369707012
3/23/2016	1410	22.2			< 20			2400										393849010
9/20/2016	1650	23			< 20			6870										406359011
3/8/2017	1380	< 20			< 20			8620										418299020
9/11/2017	1180	11			< 20			6110										432728012
3/21/2018	936	11.6			< 1			3750										446475009

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW424-PRT1

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
9/25/2018	1600	32.3			< 10			2160										460388005
3/19/2019	810	10.5			< 25			1470										474193001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW424-PRT2

Sample Date Range: 6/16/2009 - 6/18/2019

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
7/23/2009	17000	< 1000			< 200	< -29.4	4170	5680	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09204022001
8/27/2009	16000	< 200			< 200	< -4.44	6130	5900	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09239019001
9/30/2009	16000	< 200			< 200	91.8	5200	7100	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09273023001
12/17/2009	18000	< 200			< 200	7.27	4010	6180	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09351022003
3/24/2010	17000	< 250			< 250	52.8	2940	6240	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10083023003
6/22/2010	17000	< 1000			< 200	12.7	5150	7070	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10174017004
9/22/2010	15000	< 1000			< 200	< -41.8	4000	6040	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10265020002
12/15/2010	14000	< 200			< 200	< -161	5510	7850	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10349020002
3/22/2011	12000	< 100			< 100	170	4620	6990	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.26	< 0.09	C11081023001
6/14/2011	14000	< 500			< 100	< -51.5	4820	5790	< 0.005									C11165038003
6/14/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-10
9/13/2011	12000	< 500			< 100	< -138	5900	6890	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11256019002
3/13/2013	10000	< 100			< 100			4320										C13072022002
9/17/2013	11000	< 500			< 100			3810										C13260018008
3/20/2014	13000	< 100			< 100			3540										C14079016008
9/13/2014	13900	< 250			< 250			3820										356931019
3/31/2015	17600	< 250			< 250			3260										369938010
3/23/2016	20600	< 250			< 250			3220										393849011
9/20/2016	16700	< 250			< 250			2970										406359012
3/8/2017	10900	< 250			< 250			2750										418307001
9/11/2017	10100	< 250			< 250			3100										432728013

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW424-PRT2

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/21/2018	10200	1.94			0.63			4100										446475010
9/25/2018	11800	< 200			< 200			3530										460388006
3/19/2019	9720	< 200			< 200			3320										474193002

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW424-PRT3

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/23/2009	22000	< 1000			< 200	< -7.72	1900	2770	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09204023001
8/27/2009	23000	< 200			< 200	< 5.21	3400	4970	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09239020001
9/30/2009	23000	< 250			< 250	78.9	3350	4660	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09273024001
12/17/2009	23000	< 200			< 200	12.3	2960	4500	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09351022004
3/24/2010	23000	< 250			< 250	< -39.3	2810	4600	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C10083023004
6/23/2010	21000	< 1000			< 200	10.2	3160	4740	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10174017005
9/22/2010	21000	< 1000			< 200	< -14.6	2650	4440	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10265020003
12/15/2010	19000	< 200			< 200	< -54.8	2840	4300	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10349020003
3/22/2011	16000	< 200			< 200	93.3	2580	3430	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.28	< 0.09	C11081023002
6/14/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106059-11
6/14/2011	18000	< 1000			< 200	< -23	2990	3940	< 0.005									C11165038004
9/13/2011	16000	< 1000			< 200	< -42.4	2720	4190	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11256019003
3/12/2012	12000	< 200			< 200	15.3	2120	3500	< 0.005									C12072031008
9/25/2012	11000	< 200			< 200	< -2.6	3010	3600	< 0.005									C12269015005
3/13/2013	10000	< 100			< 100			3070										C13072022003
9/17/2013	9300	< 500			< 100			2870										C13260018009
3/20/2014	10000	< 100			< 100			2500										C14079016009
9/13/2014	11100	< 250			< 250			2600										356931020
3/31/2015	14000	< 250			< 250			2570										369938011
3/23/2016	16800	< 250			< 250			2680										393849012
9/20/2016	16600	< 250			< 250			2580										406359013

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW424-PRT3

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
3/8/2017	13500	< 250			< 250			2190										418307002
9/11/2017	13300	< 250			< 250			2330										432728014
3/21/2018	15100	1.43			1.02			2220										446475011
9/25/2018	14700	< 200			< 200			2330										460388007
3/19/2019	13400	< 200			< 200			2050										474193003

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW425-PRT1

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/22/2009	5100	< 250			< 50	< 2.26	755	789	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09203011001
8/26/2009	8200	< 100			< 100	9.62	4390	3870	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09238024001
9/29/2009	11000	< 100			< 100	107	6500	8580	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09273002004
12/16/2009	13000	< 500			< 100	26.5	6360	9490	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09350025007
3/23/2010	8900	< 100			< 100	51.4	2200	3010	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10082005006
6/22/2010	8300	< 500			< 100	25	1340	1330	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10173039002
9/21/2010	12000	< 500			< 100	< -221	10000	12700	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10264016004
12/15/2010	13000	< 200			< 200	< -819	15000	18300	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10349020004
3/21/2011	11000	< 100			< 100	81.2	10800	14000	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.17	< 0.09	C11080075005
6/13/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106040-03
6/13/2011	7600	< 500			< 100	75.3	2130	2530	< 0.005									C11165011005
9/14/2011	12000	< 500			< 100	< -143	7140	9190	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11257087006
3/12/2013	6500	< 100			< 100			5630										C13072002003
9/18/2013	4600	< 500			< 100			5220										C13261023001
3/20/2014	3000	< 50			< 50			2810										C14079016001
9/15/2014	2260	< 50			< 50			2220										356937001
3/26/2015	1820	12.8			< 25			2220										369707013
3/28/2016	1080	14.2			< 20			1040										393954001
9/21/2016	1320	9.4			< 20			6810										406611009
3/8/2017	1160	11.6			< 20			4280										418307003
9/11/2017	1140	< 20			< 20			6150										432728015

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW425-PRT1

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/21/2018	1340	17.6			0.45			1890										446475001
9/26/2018	1800	20			< 20			3640										460380008
3/19/2019	2700	18.4			< 20			1870										474193004

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW425-PRT2

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/22/2009	6300	< 250			< 50	< 3.37	2930	4460	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09203011002
8/26/2009	6100	< 50			< 50	< -19.6	3370	4550	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09238024002
9/29/2009	7500	< 50			< 50	121	4600	5900	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09273002005
12/16/2009	11000	< 500			< 100	< -17.7	5550	7850	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09350025008
3/23/2010	9300	< 50			< 50	49.5	3710	5600	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C10082005007
6/22/2010	8400	< 250			< 50	43.7	2900	3850	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10173039003
9/21/2010	10000	< 500			< 100	< -37.4	4910	5000	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10264016005
12/15/2010	11000	< 100			< 100	< -456	9930	13200	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10349020005
3/21/2011	9200	< 100			< 100	28.2	8260	12500	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.36	< 0.09	C11080075006
6/13/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106040-04
6/13/2011	8700	< 500			< 100	< -26.5	4870	5930	< 0.005									C11165011006
9/14/2011	10000	< 500			< 100	< -98.5	4370	4600	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11257087007
3/12/2013	9100	< 100			< 100			6260										C13072002004
9/18/2013	6700	< 500			< 100			3280										C13261023002
3/20/2014	5400	< 50			< 50			4240										C14079016002
9/15/2014	4080	< 50			< 50			1860										356937002
3/26/2015	3540	< 50			< 50			2750										369707014
3/28/2016	2060	< 25			< 25			1400										393954002
9/21/2016	1590	< 25			< 25			3790										406611010
3/8/2017	1530	< 25			< 25			5400										418307004
9/12/2017	1430	< 25			< 25			3530										432724008

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW425-PRT2

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
3/21/2018	1620	< 25			< 25			3030										446475012
9/26/2018	1790	< 25			< 25			2060										460380009
3/19/2019	2400	< 25			< 25			2190										474193005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW425-PRT3

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
7/22/2009	6200	< 250			< 50	< 0.86	3380	4420	< 0.005	< 0.16	< 0.17	< 0.13	< 0.1	< 0.11	< 0.07	< 0.05	< 0.09	C09203011003
8/26/2009	4700	< 50			< 50	< -23.2	3770	4120	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09238024003
9/29/2009	6900	< 50			< 50	96.2	3490	4570	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C09273002006
12/17/2009	8100	< 100			< 100	39.3	3620	5210	< 0.005	< 0.16	< 0.17	< 0.13	< 0.09	< 0.11	< 0.07	< 0.05	< 0.08	C09351022001
3/23/2010	7600	< 50			< 50	57	2590	4290	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10082005008
6/22/2010	7700	< 250			< 50	33.6	2790	3760	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10173039004
9/21/2010	8500	< 500			< 100	< -22.6	3270	5070	< 0.005	< 0.16	< 0.17	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10264016006
12/15/2010	9100	< 100			< 100	< -325	7150	8570	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C10349020006
6/13/2011										< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	1106040-05
6/13/2011	7400	< 500			< 100	< -23.1	3310	4310	< 0.005									C11165011007
9/14/2011	8500	< 500			< 100	< -99.4	4540	4360	< 0.005	< 0.17	< 0.18	< 0.14	< 0.1	< 0.12	< 0.07	< 0.05	< 0.09	C11257087008
3/12/2012	8000	< 100			< 100	< -25.1	3230	5410	< 0.005									C12072031009
9/19/2012	9900	< 100			< 100	< -28.6	4490	5320	< 0.005									C12263022004
3/12/2013	11000	< 100			< 100			4600										C13072002005
9/18/2013	9600	< 500			< 100			2530										C13261023003
3/20/2014	9500	< 100			< 100			3230										C14079016003
9/15/2014	8610	< 100			< 100			1950										356937003
3/26/2015	7170	< 100			< 100			2340										369707015
3/28/2016	4430	< 50			< 50			1200										393954003
9/21/2016	3320	< 50			< 50			1890										406611011
3/8/2017	2850	< 50			< 50			3480										418307005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

Water Quality Records for

Sample Date Range: 6/16/2009 - 6/18/2019

MW425-PRT3

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	Lab Sample ID
9/12/2017	2630	< 50			< 50			2430										432724009
3/21/2018	2990	< 50			< 50			2630										446475013
9/26/2018	2350	< 50			< 50			1580										460380010
3/19/2019	2810	< 50			< 50			1360										474193006

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW505

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
3/13/2012	160	< 5			< 5	< -2.14	48.8	51.6	< 0.005									C12073014003
6/18/2012	18	< 5			< 1	< -1.58	54	51.4	< 0.005									C12170024001
9/19/2012	22	< 1			< 1	< 1.39	45.1	61.8	< 0.005									C12263015001
12/5/2012	22	< 5			< 1			56.2										C12340029002
3/19/2013	32	< 1			< 1			53.9										C13078040002
3/19/2013	34	< 1			< 1			49.2										C13078040001
6/11/2013	31	< 1			< 1			55.5										C13162015006
9/12/2013	26	< 5			< 1			74.3										C13255009001
12/17/2013	28	< 1			< 1			56.2										C13351094003
3/19/2014	23	< 1			< 1			69										C14078013001
6/11/2014	26.2	< 1			< 1			52.8										350627002
9/13/2014	150	< 1			< 1			63.4										356937004
12/2/2014	22.8	< 1			< 1			71.4										362435008
3/30/2015	16.3	< 1			< 1			61.1										369938012
6/16/2015	16.8	< 1			< 1			53.1										375398001
9/14/2015	18.9	< 1			< 1			40.7										381234007
9/14/2015	19	< 1			< 1			36.5										381234008
12/8/2015	49.2	< 1			< 1			56.4										387183008
3/23/2016	22.6	< 1			< 1			62.2										393849013
6/6/2016	32.6	< 1			< 1			86.4										398881008
9/20/2016	56.1	< 1			< 1			70										406359014

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The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW505

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
9/20/2016	19.7	< 1			< 1			63.1										406359015
12/13/2016	10.5	< 1			< 1			47.1										412748008
3/9/2017	13.9	< 1			< 1			51.1										418307006
6/20/2017	109	< 2			< 2			50.1										425938001
9/12/2017	9.44	< 1			< 1			59.9										432724010
9/12/2017	15	< 1			< 1			56.2										432724011
12/18/2017	36.2	< 1			< 1			57										440362008
3/22/2018	20.9	< 1			< 1			51.4										446481004
5/15/2018	10.2	< 1			< 1			59.7										450363008
9/26/2018	8.6	< 1			< 1			53.6										460380012
9/26/2018	9.17	< 1			< 1			43										460380011
12/18/2018	10.3	< 1			< 1			57.1										467410010
3/19/2019	9.63	< 1			< 1			37.1										474193007
6/6/2019	11.8	< 1			< 1			54.3										481177003
6/6/2019	11.4	< 1			< 1			42.6										481177004

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW506

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
3/13/2012	4300	< 50			< 50	< 0.856	50.5	62.6	< 0.005									C12073014004
6/18/2012	4100	< 250			< 50	< 3.44	66.4	59.7	< 0.005									C12170024002
9/19/2012	3700	< 50			< 50	< 3.84	50.8	59	< 0.005									C12263015002
12/5/2012	4200	< 250			< 50			42.8										C12340029004
3/19/2013	2100	< 50			< 50			49.7										C13078040003
6/11/2013	2400	< 50			< 50			64										C13162015005
9/12/2013	2100	< 100			< 20			63.1										C13255009002
12/17/2013	2000	< 20			< 20			60.9										C13351094004
3/19/2014	1200	< 20			< 20			65.4										C14078013002
6/11/2014	954	< 20			< 20			56.8										350627003
9/13/2014	641	< 10			< 10			59.6										356937005
12/2/2014	1080	< 1			0.47			72.7										362435009
3/30/2015	906	< 10			< 10			66.8										369938001
6/16/2015	2690	< 50			< 50			73.4										375398005
9/14/2015	7110	< 100			< 100			46.3										381234009
12/8/2015	9040	< 100			< 100			72.7										387183009
3/23/2016	17600	< 100			< 100			54.8										393849014
6/6/2016	24400	< 250			< 250			108										398881009
9/20/2016	19700	< 500			< 500			69.1										406359016
12/13/2016	22200	< 500			< 500			59.2										412748009
3/9/2017	15000	< 500			< 500			75.2										418307007

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW506

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
6/20/2017	17800	< 250			< 250			52.5										425938002
9/12/2017	17400	< 250			< 250			72.4										432724012
12/18/2017	19600	< 250			< 250			89.3										440362009
3/22/2018	15500	< 250			< 250			51.8										446481005
5/15/2018	17900	< 250			< 250			62.4										450363009
9/26/2018	7660	< 250			< 250			37.1										460380001
12/18/2018	9370	< 250			< 250			54.3										467410011
3/19/2019	9680	< 250			< 250			42.1										474190001
6/6/2019	12300	< 250			< 250			56.8										481177001

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW507

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
3/13/2012	1200	< 10			< 10	< 3.11	38.7	53.4	< 0.005									C12073014005
6/18/2012	1200	< 100			< 20	< 5.7	51.2	41.2	< 0.005									C12170024003
9/19/2012	1800	< 10			< 10	< 0.808	34.4	30.7	< 0.005									C12263015003
12/5/2012	1900	< 100			< 20			42.9										C12340029005
3/19/2013	770	< 20			< 20			48.3										C13078040004
6/11/2013	1100	< 10			< 10			65.1										C13162015004
6/11/2013	1000	< 10			< 10			72.4										C13162015003
9/12/2013	530	< 50			< 10			86.6										C13255009003
12/17/2013	870	< 10			< 10			64.6										C13351094005
3/19/2014	190	< 1			< 1			82.7										C14078013003
6/12/2014	245	< 5			< 5			77.6										350627001
6/12/2014	260	< 5			< 5			80.4										350627006
9/13/2014	582	< 10			< 10			57.3										356937006
12/2/2014	510	< 1			< 1			71.7										362435010
3/30/2015	265	< 5			< 5			74.1										369938013
6/16/2015	913	< 20			< 20			52.1										375398006
9/14/2015	2700	< 50			< 50			53.2										381234010
12/8/2015	6030	< 100			< 100			61.6										387183010
3/23/2016	6960	< 100			< 100			67.9										393849015
6/6/2016	9720	< 200			< 200			105										398881010
9/20/2016	11100	< 200			< 200			77.5										406359017

Wednesday, October 02, 2019

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-400 Monitoring

Water Quality Records for

MW507

Sample Date Range: 6/16/2009 - 6/18/2019

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results			Metal	Polychlorinated biphenyl Analysis Results								Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	Uranium mg/L	PCB 1016 µg/L	PCB 1221 µg/L	PCB 1232 µg/L	PCB 1242 µg/L	PCB 1248 µg/L	PCB 1254 µg/L	PCB 1260 µg/L	PCB 1268 µg/L	
12/13/2016	10900	< 200			< 200			65.4										412748010
3/9/2017	6990	< 200			< 200			59.6										418307008
6/20/2017	4240	< 100			< 100			55.6										425938003
9/12/2017	7590	< 200			< 200			55.3										432724013
12/18/2017	5300	< 100			< 100			75.7										440362010
3/22/2018	4630	< 100			< 100			68.2										446481006
5/15/2018	5590	< 100			< 100			65.5										450363010
9/26/2018	3960	< 100			< 100			51.4										460380013
12/18/2018	4620	< 100			< 100			45.4										467410012
3/19/2019	4290	< 100			< 100			45.2										474193008
6/6/2019	5110	< 100			< 100			58.3										481177005

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

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APPENDIX F

C-749 URANIUM BURIAL GROUND (SWMU 2) GROUNDWATER MONITORING WELL DATA

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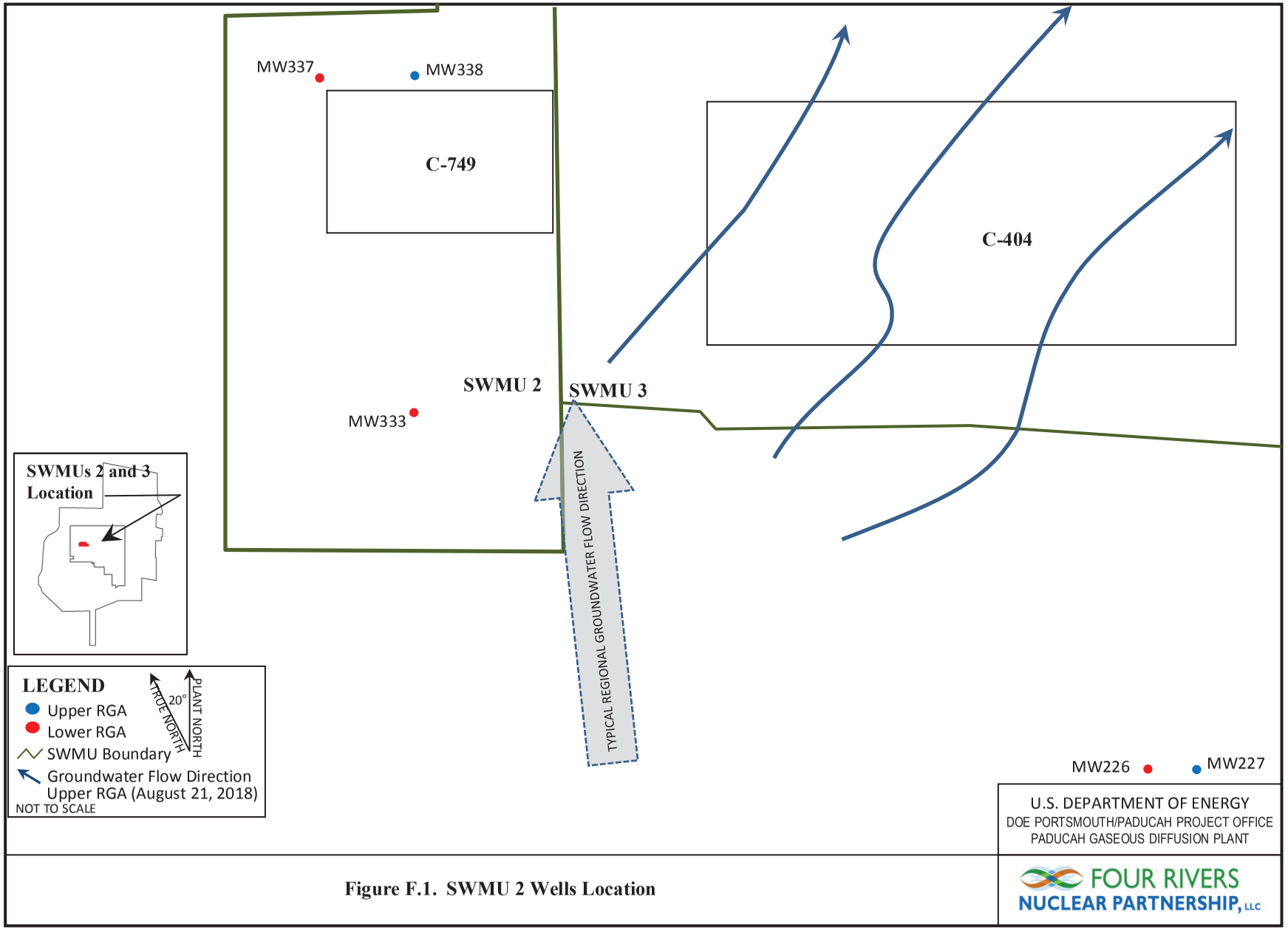

Figure F.1. SWMU 2 Wells Location

S:\Env Services\Environmental Stewardship\ERP - Risk\FFA Semi Annual & 5YR\FFA Semiannual Reporting V1\2019-09\Appendix F 20190916 SWMU 2 REG lkg.pptx

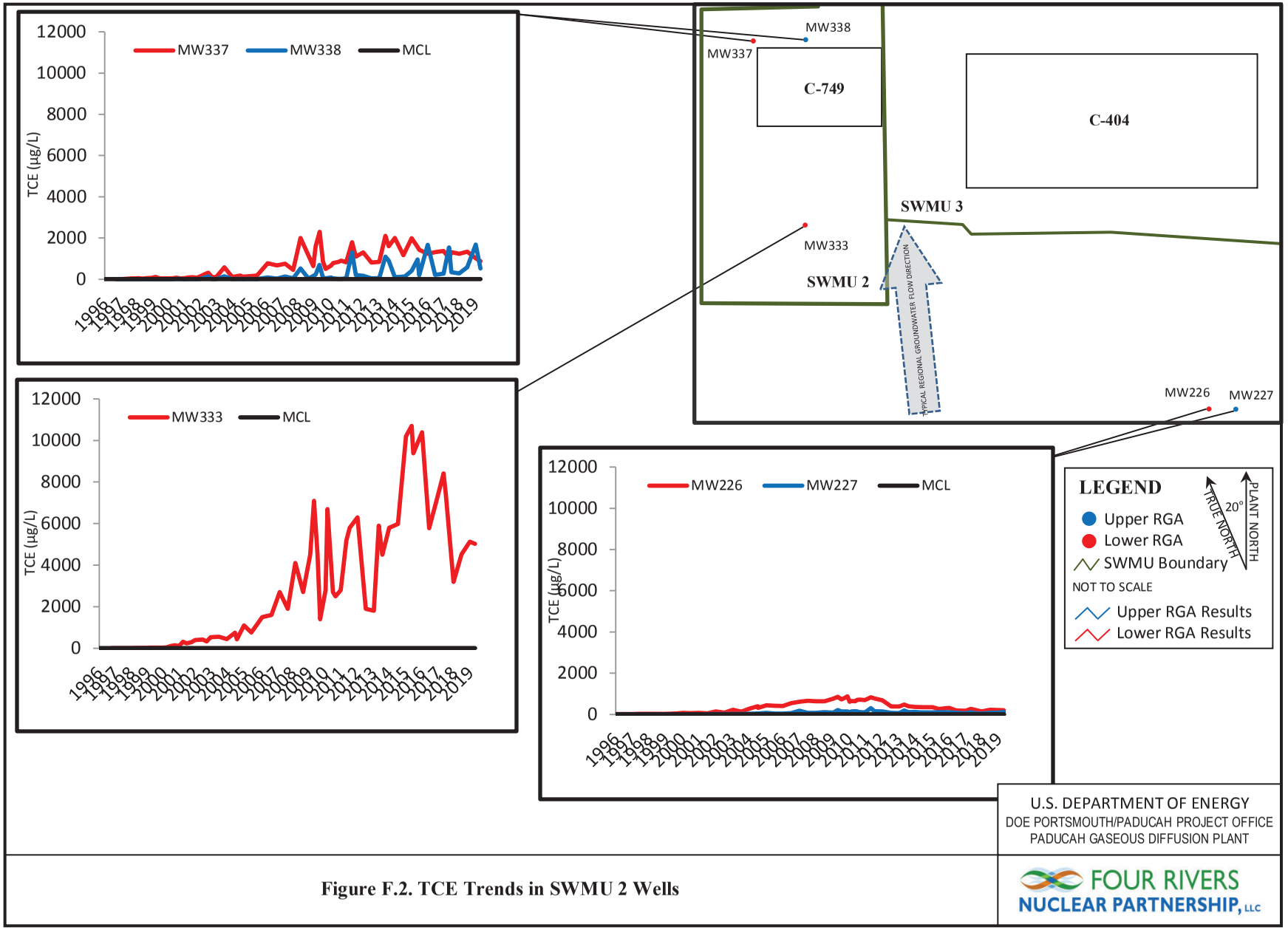

Figure F.2. TCE Trends in SWMU 2 Wells

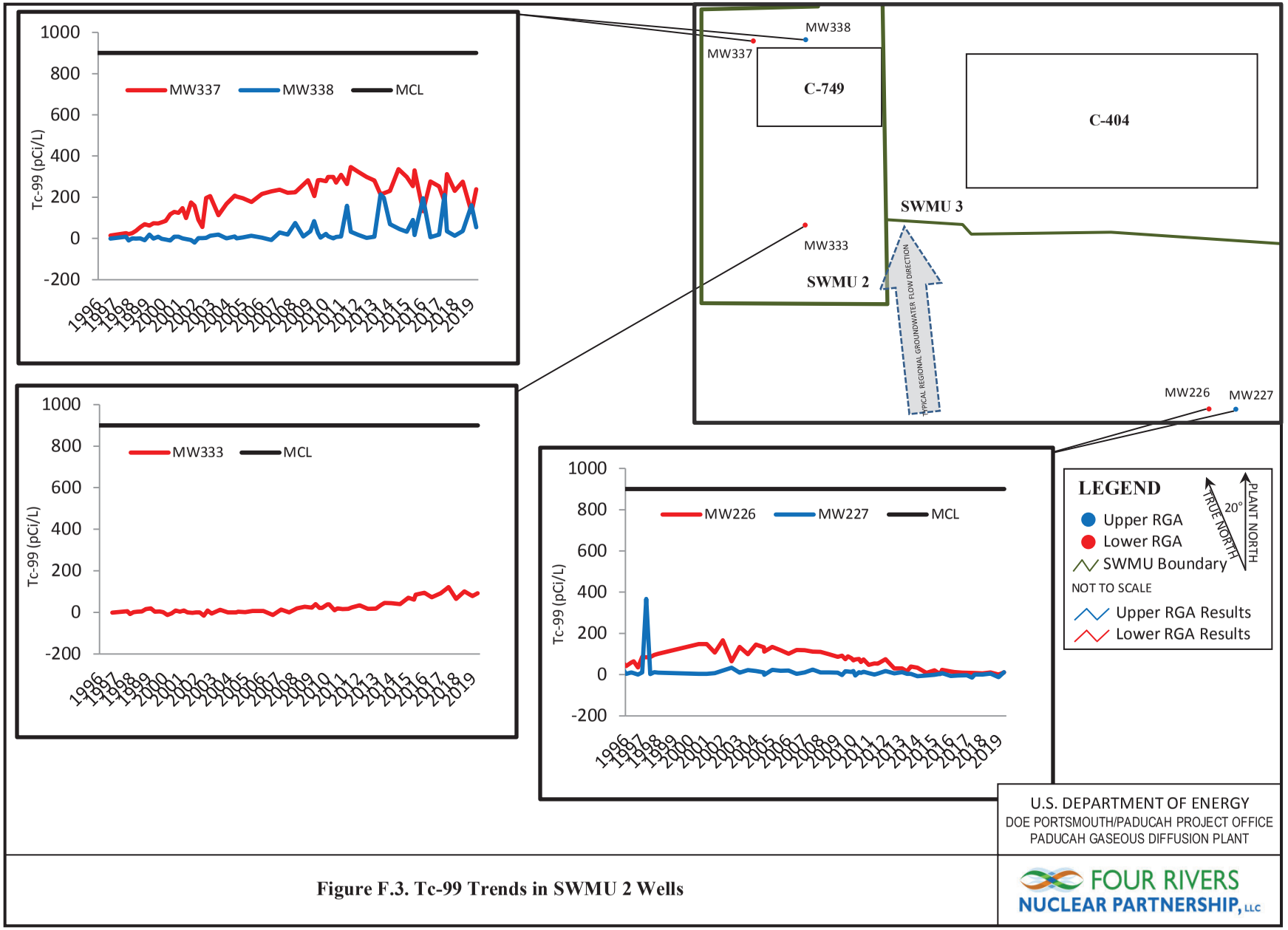

Figure F.3. Tc-99 Trends in SWMU 2 Wells

C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW226

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	Lab Sample ID
5/6/1993	8							11				930507-105
5/6/1993	2							6				930507-101
5/13/1993	7							12				930513-235
6/2/1993	8							10				930602-113
6/16/1993	8							8				930617-116
6/16/1993	2											930617-118
7/14/1993	9							16				930715-049
7/20/1993	10							8				930721-106
8/9/1993	11							15				930810-018
8/16/1993	11							18				930819-067
9/30/1993	11							18				930930-169
10/26/1993	12							35				931027-061
11/8/1993	11							32				931109-073
11/16/1993	11							22				931117-105
1/11/1994	11							25				940111-177
1/25/1994	12							13				940126-013
2/8/1994	10							32				940209-005
2/15/1994	12							14				940216-023
7/18/1994	12							18				940719-065
7/26/1994	14							35				940726-198
8/11/1994	15							32				940812-033
8/18/1994	15							15				940818-135
1/17/1995	17							30				950117-119
1/17/1995	17							26				950117-115
1/23/1995	17							31				950125-081

Wednesday, October 02, 2019

NOTE: This report does not include data that has been rejected during data assessment and/or data validation.

The date range reflects the first and last sample collection date for this data set through 6/30/2019.

C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW226

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
2/6/1995	16							28				950207-055
2/13/1995	16							36				950215-031
4/19/1995								39				950419-194
4/24/1995								44				950425-170
5/3/1995								15				950503-140
5/8/1995								49				950509-041
5/8/1995								43				950509-033
7/19/1995	16							32				950720-047
7/25/1995	11							32				950726-034
8/7/1995								41				950808-083
8/14/1995								43				950815-023
8/14/1995								30				950815-031
10/23/1995								34				951024-036
10/30/1995								36				951031-060
10/30/1995								40				951031-056
11/8/1995								54				951110-059
11/15/1995								55				951116-020
1/22/1996	20							42				960122-119
5/17/1996								59				960521-007
7/10/1996	20							65				960710-204
10/14/1996								35				961015-019
1/16/1997	24							86				970121-043
4/14/1997								84				970414-100
7/14/1997	27							85				970714-134
7/14/1997	26							84				970714-133

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW226

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
10/14/1997								95				971014-047
1/12/1998	30							101				C980140119
7/13/1998	25											C981960004
7/13/1998	25											C981960005
1/11/1999	26											C990110084
7/20/1999	40											C992020007
7/20/1999	42											C992020008
1/11/2000	71											C000110092
7/12/2000	61							148				C001940098
1/9/2001	81							148				C010100017
7/11/2001	55							107				C011930007
1/8/2002	140							166				C020080098
7/22/2002	89							64.7				C022030173
1/21/2003	230							134				C030210115
7/23/2003	130							98.9				C032040144
1/21/2004	280							146				C040210090
7/22/2004	394											C042050002
7/22/2004	340	12	< 5	< 5	< 5	< 0.668	57.7	132	< 0.0902	< 0.0122	< 0.348	C042050009
7/27/2004	320							112				C042090056
1/24/2005	440							134	< 0.0357	< 0.0147	< -0.0135	C050240045
7/27/2005	420							118	< 0.0346	< 0.00589	< 0.00252	C052080180
1/24/2006	410							101	< 0.0973	< -0.0183	< 0.0768	C060240039
7/24/2006	550							119	< 1.07	< 0.187	< 0.282	C062050057
1/24/2007	610							118	< 1.03	< -0.00311	< 0.21	C070240038
7/24/2007	660							112	< 0.0971	< -0.0355	< 0.0361	C072060043

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW226

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
1/15/2008	640							110	< -0.0264	< 0.0644	< 0.00478	C080160004
7/24/2008	640							98.7	< 0.0399	< 0.00678	< -0.00253	C082060091
2/5/2009	760							86.5				C09036036004
5/12/2009	850	26	< 5	< 5	< 5	< -0.403	49.2	92.3				C09132009001
7/28/2009	730							74.6				C09209020001
9/21/2009	780	< 25	< 5	< 25	< 5	< 2.56	46.3	88.1				C09265006002
12/10/2009	880							79.1				C09344026005
1/26/2010	610							69.3				C10026023001
3/9/2010	650	22	< 10	< 10	< 10	4.2	49.4	74				C10068052005
6/1/2010	640							75.7				C10152026001
7/14/2010	710							60.7				C10195040002
9/7/2010	720	22	< 10	< 10	< 10	< 4.04	38.8	73.8				C10250033001
1/3/2011	690							47.6				C11003029002
5/11/2011	830	28	< 5	< 5	< 5	4.3	41	54.5				C11131023001
7/28/2011	780							53.2				C11209031001
1/20/2012	680							74.7				C12020022001
7/31/2012	390							30.5				C12213022002
1/23/2013	380							30.3				C13023019002
5/14/2013	480	< 25	< 5	< 5	< 5			< 16.5				C13134021006
8/12/2013	400							39.3				C13224030001
1/8/2014	360							33				C14008024003
7/28/2014	350							< 7.97				353626001
1/26/2015	351							20.5				365824001
6/1/2015	267	5.4	< 1	0.32	< 1			< 2.55				374452002
7/11/2015	270							23.2				377100001

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW226

	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						
Sample Date	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	Lab Sample ID
1/25/2016	311							< 14.9				390095001
7/5/2016	194							< 10.7				401035001
1/23/2017	177							< 9.01				414959002
5/19/2017	271	5.5	< 5	< 5	< 5			< 8				423910002
7/17/2017	235							< 7.1				428290002
1/8/2018	150							< 6.27				441372001
7/11/2018	226							< 10				454526002
1/9/2019	214							< 0.552				468710001
5/9/2019	206	3.48	< 4	< 4	< 4			< 11.1				478812001

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW227

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
5/13/1993	2							17				930513-239
6/2/1993	2							0				930602-124
6/16/1993	2							0				930617-138
7/13/1993	2							12				930713-156
7/19/1993	2							10				930721-102
8/9/1993	2							5				930810-014
8/16/1993	2							13				930820-001
9/30/1993	2							13				930930-173
10/26/1993	2							7				931027-053
11/8/1993	2							0				931109-077
11/16/1993	2							9				931117-134
1/11/1994	3							18				940111-181
1/25/1994	3							11				940126-017
2/8/1994	3							0				940209-001
2/15/1994	3							5				940216-019
4/29/1994	4											940429-116
7/18/1994	2							0				940719-061
7/26/1994	3							6				940726-202
8/10/1994	4							14				940811-063
8/10/1994	4							10				940811-075
8/10/1994	3	< 5	< 5	< 5	< 5							S408081-01V
8/18/1994	4							3				940818-131
1/17/1995	4							9				950118-204
1/23/1995	3							18				950125-093
1/23/1995	4							10				950125-097

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW227

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
2/6/1995	3							9				950207-059
2/13/1995	4							17				950215-027
4/19/1995								16				950419-202
4/24/1995								20				950425-162
4/24/1995								23				950425-178
5/3/1995								5				950503-136
5/8/1995								14				950509-049
7/19/1995	5							6				950720-043
7/25/1995	4							23				950726-038
8/7/1995								14				950808-067
8/7/1995								17				950808-087
8/14/1995								12				950815-027
10/23/1995								0				951024-040
10/23/1995								0				951024-032
10/30/1995								6				951031-064
11/8/1995								7				951110-063
11/15/1995								22				951116-024
1/22/1996	4							3	2.9	0.18	6.69	960122-115
1/22/1996	4							4				960122-123
5/17/1996								10				960521-008
7/9/1996	5							7				960709-085
10/14/1996								0				961015-018
1/16/1997	6							11				970121-041
1/16/1997	6							3				970121-042
4/14/1997								367				970414-099

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW227

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
7/14/1997	6							2				970714-135
10/14/1997								< 12				971014-048
1/12/1998	4							< 9				C980140120
1/12/1998	4							< 8				C980140122
7/13/1998	6											C981960003
1/11/1999	6											C990110085
1/11/1999	6											C990110086
7/20/1999	8											C992020009
1/11/2000	3											C000110093
7/12/2000	6							< 3.92				C001940099
1/9/2001	3							< 3.82				C010100018
7/11/2001	7							< 7.5				C011930006
1/8/2002	23							20.2				C020080097
7/22/2002	23							33.4				C022030172
1/21/2003	24							< 9.75				C030210114
7/23/2003	26							22.5				C032040145
1/21/2004	31							< 17				C040210091
7/22/2004	33	< 1	< 1	< 1	< 1	5.9	10.1	< 10.4	< 0.284	< 0.00706	< 0.412	C042050010
7/22/2004	40											C042050003
7/27/2004	39							< -0.469				C042090057
1/24/2005	76							22.8	< 0.348	< -0.0287	< 0.122	C050240047
7/27/2005	45							18.9	< 0.0822	< 0.0131	< 0.0649	C052080181
1/25/2006	38							20.3	< 0.0898	< 0.004	< 0.0169	C060250133
7/24/2006	61							< 4.11	< 1.36	< 0.263	< 0.298	C062050058
1/24/2007	180							< 11	< 0.219	< 0.0426	< 0.0696	C070240039

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW227

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
7/24/2007	73							24	< 0.124	< -0.0338	< 0.0891	C072060044
1/16/2008	79							< 11	< 0.21	< 0.00145	< 0.0742	C080160068
7/24/2008	110							< 10.9	< 0.0526	< 0.00769	< -0.00691	C082060092
2/5/2009	82							< 9.22				C09036036005
5/12/2009	210	4.2	< 1	< 1	< 1	< 1.54	7.61	< -2.16				C09132009002
7/28/2009	140							16.5				C09209020002
9/21/2009	140	< 5	< 1	< 5	< 1	< 0.447	7.47	< 14.8				C09265006003
12/10/2009	150							< 12.6				C09344026006
1/26/2010	110							< 17.1				C10026023002
3/9/2010	150	3.5	< 1	< 1	< 1	< 2.74	7.52	< -4.34				C10068052006
6/1/2010	160							< 11.8				C10152026002
7/14/2010	140							< 8.12				C10195040003
9/7/2010	110	2.5	< 1	< 1	< 1	< -0.521	5.85	< 13.6				C10250033002
1/3/2011	94							< 7.15				C11003029001
5/11/2011	310	6.2	< 1	< 1	< 1	< 0.974	10.6	< 0.676				C11131023002
7/28/2011	160							< 4.69				C11209031002
1/20/2012	150							17.9				C12020022003
7/31/2012	74							< 5.99				C12213022003
1/22/2013	63							< 11.8				C13022086002
5/14/2013	190	< 5	< 1	< 1	< 1			< 3.61				C13134021005
8/12/2013	110							< 4.08				C13224030002
1/8/2014	120							< -7.61				C14008024004
7/28/2014	104							< -4.4				353626002
1/26/2015	97.8							< -1.45				365824002
6/2/2015	110	1.68	< 2	< 2	< 2			< 3.74				374344008

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW227

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
7/11/2015	94.3							< 7.22				377100002
1/25/2016	110							< -6.66				390095002
7/5/2016	75.5							< -4.03				401035002
1/23/2017	55							< -2.64				414959001
5/19/2017	112	1.31	< 1	< 1	< 1			< -14.1				423910003
7/17/2017	66.7							< 0.795				428290003
1/8/2018	39.1							< 0.655				441372002
7/11/2018	76.9							< 4.79				454526001
1/9/2019	89.8							< -12				468710004
1/9/2019	86.3							< -15.8				468710002
5/9/2019	121	0.78	< 2	< 2	< 2			< 11.2				478812004

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW333

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
10/14/1996	10				< 0.48							96M04623-3717
10/14/1996									9.66		0.14	96M04623-3731
10/14/1996								-1.1				96M04623-3761
1/29/1997	5	< 5	< 5	< 5	< 5							970130-051
9/23/1997	5	< 5	< 5	< 5	< 5	-0.2	2	6				970923-064
11/19/1997	6	< 5	< 5	< 5	< 5	-0.7	2	-8				971119-080
2/9/1998	8	< 5	< 5	< 5	< 5	< 2.3	< 1	< 1				C980420046
5/4/1998	14	< 5	< 5	< 5	< 5	< 5.1	15	< 3				C981250036
8/10/1998	16	< 5	< 5	< 5	< 5	< 4.3	6	< 3.9				C982220109
11/12/1998	16	< 5	< 5	< 5	< 5	< -1.37	5.36	< 16				C983160089
3/3/1999	30	< 5	< 5	< 5	< 5	< 0.68	< 2.83	19.27				C990620037
6/4/1999	33	< 5	< 5	< 5	< 5	< 1.23	< 0.07	< 2.81				C991580024
9/15/1999						< -0.79		< 4.13				C992580210
12/7/1999	29	< 5	< 5	< 5	< 5	2.48	< 1.48	< 0.475				C993410100
12/7/1999	33	< 5	< 5	< 5	< 5	< 0.45	< 0.49	< -6.17				C993410101
3/8/2000	46	< 5	< 5	< 5	< 5	< 1.58	< 4.62	< -12.8		< 0		C000680108
6/14/2000	110	< 5	< 5	< 5	< 5	< 0.52	< -0.97	< -4.54				C001670002
9/12/2000	140	< 5	< 5	< 5	< 5	< 2.67	< 3.97	< 9.38				C002560135
12/18/2000	110	< 10	< 10	< 10	< 10	< 0.462	< 0.604	< 3.24				C003540006
3/19/2001	310	< 5	< 5	< 5	< 5	< -0.5	< 0.794	< 8.5				C010780093
6/6/2001	230	< 25	< 25	< 25	< 25	< 1.62	4.76	< -0.303				C011570178
9/25/2001	290	< 25	< 25	< 25	< 25	< 2.25	< 1.41	< -2.35		< -9.94		C012680234
12/17/2001	390	< 25	< 25	< 25	< 25	< 1.86	< -0.125	< -0.337				C013510092
3/13/2002										< -3.95		C020720129
3/13/2002	410	< 25	< 25	< 25	< 25	< 1.13	< 0.94	< -0.654				C020720130

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW333

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
6/10/2002	420	< 50	< 50	< 50	< 50	< 1.57	< -2.59	< -15.7				C021610047
9/5/2002	330	< 50	< 50	< 50	< 50	< -0.977	< -0.125	< 8.51				C022480132
12/2/2002	530	< 25	< 25	< 25	< 25	< 1.7	< 0.462	< -6.2				C023370013
6/10/2003	550	< 25	< 25	< 25	< 25	< 1.08	< 1.1	< 12.4				C031620013
12/4/2003	440	< 25	< 25	< 25	< 25	< 0.213	< 2.21	< 0				C033380096
6/7/2004	750	< 50	< 50	< 50	< 50	< -0.231	< -0.683	< -0.384	< 30	< 2.2	< 0.35	C041590175
7/20/2004	430	< 10	< 10	< 10	< 10	< 1.44	< 1.43	< 2.73	< 0.198	< 0.00505	< 0.363	C042020116
12/30/2004	1100	< 50	< 50	< 50	< 50	< -0.0341	< 0.436	< 1.21				C043650022
6/14/2005	760	< 50	< 50	< 50	< 50	< 0.455	< 2.91	< 6.24	< 0.0723	< -0.0127	< 0.0115	C051650114
2/14/2006	1300	< 50	< 50	< 50	< 50	< 2.43	< 3.19	< 5.18				C060450088
2/14/2006	1500	< 50	< 50	< 50	< 50	< -0.267	< 3.66	< 6.25				C060450089
9/12/2006	1600	< 120	< 120	< 120	< 120	< 1.58	4.31	< -12.7				C062550163
3/19/2007	2700	< 100	< 100	< 100	< 100	4.34	8.66	< 13.8				C070780102
9/19/2007	1900	< 20	< 20	< 100	< 20	< 2.81	6.15	< 0.212				C072630092
3/11/2008	4100	< 25	< 25	< 120	< 25	< 1.75	16.9	19				C080710145
9/3/2008	2700	< 25	< 25	< 120	< 25	< 0.456	6.72	27.3				C082470086
2/9/2009	4500							22.7				C09040013001
5/7/2009	7100	< 250	< 50	< 250	< 50	< 2.35	22	39.9				C09127062003
7/28/2009	4500							21.1				C09209012001
9/25/2009	1400	< 50	< 50	< 50	< 50	< 0.535	17.7	21.3				C09268017001
1/26/2010	2800							38.1				C10026023004
3/8/2010	6700	< 50	< 50	< 50	< 50	< 0.795	24.7	38.6				C10067037002
7/9/2010	2700							< 10.3				C10190027002
9/8/2010	2500	< 50	< 50	< 50	< 50	< 1.48	10.6	18.7				C10251037004
1/4/2011	2800							< 15.6				C11005004006

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW333

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
5/11/2011	5200	< 100	< 20	< 20	< 20	< 2.14	13.1	< 16.3				C11131034002
7/28/2011	5800							23.4				C11209031004
1/20/2012	6300							33.7				C12020022002
7/26/2012	1900							< 17.2				C12208015003
1/22/2013	1800							18				C13022086003
5/15/2013	5900	< 250	< 50	< 50	< 50			34.7				C13135012003
8/6/2013	4500							45				C13219005002
1/8/2014	5800							44.4				C14008024002
7/23/2014	5980							40.1				353402002
1/26/2015	10200							70				365824003
6/3/2015	10700	< 200	< 200	< 200	< 200			61				374344009
7/11/2015	9380							85.7				377100003
1/25/2016	10400							93.9				390095003
7/5/2016	5780							72.8				401035003
1/23/2017	7400							91.9				414959003
5/24/2017	8420	< 200	< 200	< 200	< 200			111				424148010
7/17/2017	7350							122				428290001
1/8/2018	3190							65.1				441372003
7/11/2018	4520							101				454526003
1/10/2019	5130							78.4				468710006
5/9/2019	5020	< 100	< 100	< 100	< 100			91.4				478812005

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW337

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
10/4/1996	8.3				< 0.48							96M04622-3716
10/4/1996									0.38		0.27	96M04622-3730
10/4/1996								14				96M04622-3760
1/29/1997	10	< 5	< 5	< 5	< 5							970130-050
9/22/1997	38	< 5	< 5	< 5	< 5	3.8	21	26				970923-040
11/19/1997	41	< 5	< 5	< 5	< 5	0.9	22	21				971119-081
2/9/1998	48	< 5	< 5	< 5	< 5	< 1.3	18	26				C980420047
5/4/1998	34	< 5	< 5	< 5	< 5	< 4.4	37	36.8				C981250037
8/10/1998	58	< 5	< 5	< 5	< 5	< 0.6	35	55.1				C982220110
11/17/1998	61	< 5	< 5	< 5	< 5	3.06	37.83	69.2				C983210021
3/3/1999	110	< 25	< 25	< 25	< 25	< 1.91	< 2.49	62.71				C990620038
6/4/1999	47	< 5	< 5	< 5	< 5	< 0.4	48.8	73.5				C991580025
9/15/1999						< 0.8	48.9	72.4				C992580183
12/7/1999	44	< 5	< 5	< 5	< 5	4.34	69.36	77.7				C993410097
3/7/2000	44	< 5	< 5	< 5	< 5	< -0.43	79.03	84.8		< -9.63		C000680019
6/14/2000	75	< 5	< 5	< 5	< 5	< 1.02	97.07	117				C001670003
9/12/2000	44	< 5	< 5	< 5	< 5	< 3.09	112.58	129				C002560134
12/18/2000	50	< 5	< 5	< 5	< 5	< -0.451	75.1	124				C003540007
3/19/2001	90	< 5	< 5	< 5	< 5	< 1.05	81.1	147				C010780094
6/6/2001	97	< 5	< 5	< 5	< 5	< 0.921	97.6	98.5				C011570179
9/24/2001	75	< 5	< 5	< 5	< 5	< -2.29	97.2	175		< -8.42		C012680004
12/17/2001	150	< 10	< 10	< 10	< 10	4.96	103	158				C013510093
3/13/2002										< -7.31	< 0	C020720125
3/13/2002	240	< 25	< 25	< 25	< 25	< 4.6	68	91.3				C020720126
6/10/2002	320	< 25	< 25	< 25	< 25	< -1.91	43.3	55.1				C021610048

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW337

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
9/5/2002	96	< 25	< 25	< 25	< 25	< 0.989	115	196				C022480133
12/2/2002	100	< 5	< 5	< 5	< 5	< 1.72	127	205				C023370011
6/9/2003	580	< 25	< 25	< 25	< 25	< 0.265	63.1	113				C031600083
12/4/2003	110	< 25	< 25	< 25	< 25	10.8	159	168				C033380097
6/8/2004	180	< 25	< 25	< 25	< 25	< -1.26	111	208	< 30	< 2.2	< 0.35	C041600042
7/20/2004	120	< 2	2.2	< 2	< 2	3.45	111	203	< 0.101	< -0.00296	< 0.275	C042020117
12/8/2004	140	< 10	< 10	< 10	< 10	< -2.1	129	195				C043430086
6/21/2005	180	< 10	< 10	< 10	< 10	4.73	113	177	< 0.059	< -0.0123	< 0.00534	C051720110
2/14/2006	780	< 25	< 25	< 25	< 25	< 0.0576	21.5	216				C060450090
9/12/2006	670	< 50	< 50	< 50	< 50	3.19	157	229				C062550177
3/19/2007	750	< 5	14	< 5	< 5	< 2.38	163	237				C070790063
9/19/2007	450	< 5	< 5	< 25	< 5	4.99	123	222				C072630052
3/6/2008	2000	< 10	< 10	< 50	< 10	4.24	173	224				C080670001
12/18/2008	640	< 10	< 10	< 10	< 10	< 1.52	97.5	282				C08353022001
2/10/2009	1600							256				C09041031001
5/11/2009	2300	< 25	< 25	< 25	< 25	< 1.82	177	205				C09131017003
7/28/2009	860							282				C09209006001
9/25/2009	500	< 10	< 10	< 10	< 10	4.01	196	284				C09268025002
1/27/2010	660							278				C10027031002
3/16/2010	790	< 50	< 10	< 50	< 10	5.77	191	298				C10075019002
7/14/2010	840							298				C10195017001
9/13/2010	900	< 10	< 10	< 10	< 10	< 1.14	155	271				C10256034001
1/3/2011	820							309				C11003029004
5/19/2011	1800	< 50	< 10	< 10	< 10	6.63	172	264				C11139019001
8/10/2011	880							347				C11222050002

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW337

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
8/10/2011	1100							333				C11222050003
1/23/2012	1300							324				C12023024006
7/30/2012	800							298				C12212050001
7/30/2012	810							294				C12212050002
1/24/2013	840							281				C13024007001
6/11/2013	2100	< 20	< 20	< 20	< 20			213				C13162014003
8/26/2013	1600							219				C13238022001
1/13/2014	2000							231				C14013030001
7/24/2014	1160							336				353464001
1/27/2015	1990							298				365920001
6/11/2015	1570	0.8	< 1	< 1	3.37			254				374981003
7/20/2015	1430							330				377570001
1/27/2016	1230							132				390195001
7/12/2016	1310							277				401419001
1/24/2017	1370							253				414959004
5/25/2017	1020	< 20	< 20	< 20	< 20			179				424148011
7/17/2017	1320							312				428290004
1/10/2018	1230							231				441372004
7/12/2018	1340							276				454512001
1/24/2019	1020							127				469754001
5/13/2019	881	< 20	< 20	< 20	< 20			239				479291001

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW338

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
10/4/1996								-0.82				96M04621-3759
10/4/1996	0.7				< 0.48							96M04621-3715
10/4/1996									0.56		0.67	96M04621-3729
1/29/1997	< 1	< 5	< 5	< 5	< 5							970130-049
9/22/1997	< 1	< 5	< 5	< 5	< 5	-1.1	3	8				970923-041
11/19/1997	< 1	< 5	< 5	< 5	< 5	0.8	2	-10				971119-082
2/9/1998	< 1	< 5	< 5	< 5	< 5	< 4.2	< 5	< 0				C980420048
5/4/1998	2	< 5	< 5	< 5	< 5	< 0.2	12	< -0.6				C981250038
8/6/1998	< 1	< 5	< 5	< 5	< 5	< -1.9	< 3	< 0.2				C982180120
11/17/1998	< 1	< 5	< 5	< 5	< 5	< 1.15	< 2.58	< -9.2				C983210022
3/3/1999	5	< 5	< 5	< 5	< 5	< 0.35	< 1.7	19.04				C990620039
6/3/1999	1	< 5	< 5	< 5	< 5	< 0.96	19.31	< -0.869				C991540178
9/15/1999						< 1.1		< 8.63				C992580184
12/7/1999	< 1	< 5	< 5	< 5	< 5	< 1.51	< 2.91	< -2.48				C993410096
3/7/2000	< 1	< 5	< 5	< 5	< 5	< 0	5.93	< -4.97		< -11.6		C000680018
6/14/2000	24	< 5	< 5	< 5	< 5	< 1.83	< -2.5	< -9.54				C001670001
9/12/2000	21	< 5	< 5	< 5	< 5	< 2.6	8.27	< 7.94				C002560133
12/18/2000	< 1	< 5	< 5	< 5	< 5	< 3.14	5.38	< 7.73				C003540008
3/19/2001	5	< 5	< 5	< 5	< 5	< -0.418	< 0.657	< 0.481				C010780095
6/6/2001	8	< 5	< 5	< 5	< 5	< 0.866	< 2.9	< -3.53				C011570180
9/24/2001	3	< 5	< 5	< 5	< 5	< -0.18	< 2.92	< -7.31		< -4.82		C012680005
12/17/2001	24	< 5	< 5	< 5	< 5	< 1.14	< 0.738	< -20.6				C013510094
3/13/2002										< 0		C020720127
3/13/2002	78	< 5	< 5	< 5	< 5	< -0.652	< 4	< 1.2				C020720128
6/10/2002	130	< 10	< 10	< 10	< 10	< 1.08	< 5.59	< 1.54				C021610049

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW338

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
9/5/2002	11	< 5	< 5	< 5	< 5	< 0.0927	< 2.41	< 2.99				C022480134
12/3/2002	8	< 5	< 5	< 5	< 5	< 0.447	< 3.19	< 13.4				C023370048
6/9/2003	140	< 10	< 10	< 10	< 10	< -0.525	8.03	18.8				C031600084
12/4/2003	9	< 5	< 5	< 5	< 5	< 1.42	6.17	< 0				C033380098
6/8/2004	22	< 5	< 5	< 5	< 5	< -1.41	< 0.409	< 9.88	< 30	< 2.2	< 0.35	C041600043
7/20/2004	4.6	< 1	< 1	< 1	< 1	< 0.125	< 2.32	< -0.111	< 0.169	< 0.0261	< 0.423	C042020118
12/8/2004	13	< 5	< 5	< 5	< 5	< 0.742	< 3.48	< 5.2				C043430088
6/16/2005	11	< 5	< 5	< 5	< 5	< 1.43	< 2.46	< 12.4	< 0.0101	< -0.0133	< -0.0335	C051670015
2/14/2006	82	< 5	< 5	< 5	< 5	< -0.143	6.12	< 3.55				C060450091
9/12/2006	25	< 5	< 5	< 5	< 5	< 0.511	7.01	< -7.99				C062550178
3/19/2007	130	< 5	< 5	< 5	< 5	< 1.6	18.3	29.4				C070790064
9/19/2007	44	< 1	< 1	< 5	< 1	< 1.36	7.27	18.2				C072630053
9/19/2007	44	< 1	< 1	< 5	< 1	< 2.72	9.39	< 12.3				C072630054
3/6/2008	520	< 1	< 1	< 5	< 1	< 2.16	60.8	74.6				C080670002
9/2/2008	33	< 1	< 1	< 5	< 1	< 2.39	7.6	< 9.04				C082460126
2/9/2009	220							35.1				C09040021003
5/7/2009	690	< 25	< 5	< 25	< 5	< -0.167	64.6	83.5				C09127062004
7/28/2009	80							26.3				C09209006002
9/25/2009	40	< 1	< 1	< 1	< 1	< 3.07	< 3.87	< 3.76				C09268017003
1/27/2010	89							22.4				C10027031001
3/16/2010	36	< 10	< 2	< 10	< 2	< 1.76	8.45	< 10.3				C10075019003
7/14/2010	14							< -3.51				C10195017002
7/14/2010	14							< 0.779				C10195017003
9/13/2010	14	< 1	< 1	< 1	< 1	< 1.25	< 3.53	< 7.51				C10256034002
1/3/2011	39							< 9.16				C11003029005

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C-749 Uranium Burial Ground (SWMU2) Monitoring

Water Quality Records for

Sample Date Range: 5/6/1993 - 5/13/2019

MW338

Sample Date	Organic Laboratory Analysis Results					Radiological Laboratory Analysis Results						Lab Sample ID
	TCE µg/L	1,1-DCE µg/L	1,1-DCA µg/L	1,2-DCA µg/L	trans-1,2-DCE µg/L	Alpha Activity pCi/L	Beta Activity pCi/L	Tc-99 pCi/L	U-234 pCi/L	U-235 pCi/L	U-238 pCi/L	
5/19/2011	1300	< 5	< 1	< 1	< 1	< 1.41	94.2	158				C11139019002
8/10/2011	200							32.7				C11222050004
1/23/2012	170							18				C12023024007
7/30/2012	44							< 2.01				C12212050003
1/24/2013	54							< 8.03				C13024007002
6/11/2013	1100	< 20	< 20	< 20	< 20			214				C13162014004
8/26/2013	900							197				C13238022002
1/13/2014	100							69.4				C14013030002
8/20/2014								44.4				355247001
8/25/2014	133											355531001
1/27/2015	404							32.6				365920002
6/11/2015	963	0.71	< 1	< 1	0.74			89.3				374981004
7/20/2015	193							< 16.7				377570002
1/27/2016	1670							195				390195002
7/12/2016	211							< 6.49				401419002
1/24/2017	267							19				414959005
5/25/2017	1540	< 40	< 40	< 40	< 40			211				424148012
7/17/2017	335							35.1				428290005
1/10/2018	288							< 12.9				441372005
7/12/2018	584							36.1				454512002
1/24/2019	1680							161				469754002
5/13/2019	519	< 20	< 20	< 20	< 20			54.2				479291002

Wednesday, October 02, 2019

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