

# DEPARTMENT OF THE AIR FORCE 97TH AIR MOBILITY WING (AETC) **ALTUS AIR FORCE BASE OKLAHOMA**

21 April 2025

MEMORANDUM FOR Ms. Hillary Young **Chief Engineer Land Protection Division** Oklahoma Department of Environmental Quality P.O. Box 1677 Oklahoma City, Oklahoma 73101-1677

FROM: 97 AMW/CC 100 Inez Blvd, Bldg 1 Altus AFB, Oklahoma 73523

SUBJECT: Proposed Class II Permit Modification

1. In accordance with Permit Provisions I.3.b. and I.4. (Attachment 1), Altus AFB is requesting the Oklahoma Department of Environmental Quality (ODEQ) to review the proposed modifications to Attachment 3 - AAFB Performance Monitoring Program and Attachment 4 -AAFB Performance Monitoring Program Tables and Figures--Groundwater Management Units and Monitoring Well Maps). Altus AFB will still meet the Resource Conservation and Recovery Act (Attachment 2 - RCRA) permit requirements. The modifications are explained below.

2. Altus AFB proposes changing Attachment 3 (AAFB Performance Monitoring Program) and its respective tables and figures, Attachment 4 (AAFB Performance Monitoring Program Tables and Figures).

3. Using updated information collected from the previous two three-year periods (six years total), Altus AFB proposes changes to the sampling frequency, monitoring schedule, and number of sampling locations of sentinel wells, body-of-plume wells, and source wells. No changes are proposed for the point-of-compliance (POC) wells. The proposed Performance Monitoring Program removes several wells as sampling data collected from the previous sampling events was either duplicative with other nearby wells or the analytical results have been less than the Maximum Contaminant Level (MCL) under the Safe Drinking Water Act. Eliminating these monitoring wells will have no effect on the capability of the existing Performance Monitoring System to demonstrate Altus AFB is meeting its goals.

4. If you have any questions or comments, my point of contact for this is Mr. Michael Ruhl at 580-481-7346 or via email at michael.ruhl.2@us.af.mil.

Y M. MARSHALL, Colonel, USAF Commander

**AIRMEN - MISSION - CULTURE** 

REC JEINED

MAY 1 4 2025 LAND PROTECTION DIVISION DEPT, OF ENVIRON, QLTY



MAN 14 2025 LAND FROTECTION PIVISION DEFT. OF ENVIRON. OLTY

254729 CD\_\_\_\_ #c\_\_\_\_ c/o\_\_\_\_\_

ALTUS AIR FORCE BASE RCRA PERMIT NO. 9571824045-CA ATTACHMENT 3

# ATTACHMENT 3 ALTUS AIR FORCE BASE PERFORMANCE MONITORING PROGRAM

# **ATTACHMENT 3**

# ALTUS AIR FORCE BASE PERFORMANCE MONITORING PROGRAM

#### INTRODUCTION

Altus AFB, the United States Environmental Protection Agency (USEPA), Region VI, and the Oklahoma Department of Environmental Quality (ODEQ) have agreed to implement four groundwater management units (GWMUs) at Altus AFB to manage environmental releases characterized in the *Draft Resource Conservation and Recovery Act (RCRA) Facility Investigation/Investigation Analysis/Corrective Measures Study Report (Draft RFI/CMS Report)* for Altus AFB (Earth Tech, 2002). The four GWMUs, as shown on **Figure 1** in Attachment 4, required further remedial action and/or performance monitoring, as described in the *Final Corrective Measures Implementation (CMI) Plan, Appendix B (CMI Performance Monitoring Plan)* for Altus AFB (Earth Tech, 2009). The *CMI Performance Monitoring Plan* was approved by the USEPA Region VI on January 30, 2009, and the ODEQ on February 23, 2009. The requirements of the 2009 *CMI Performance Monitoring Plan* were fulfilled in 2012 with: 1) the completion of the defined 3-year monitoring period; 2) the CMI performance review at Altus AFB in 2011; and 3) the submission and acceptance of the *Plume Stability Assessment Report for Altus Air Force Base* (Earth Tech, 2012). The outcome of the CMI performance review was ODEQ concurrence that the groundwater plumes were stable or shrinking.

A Class 2 Permit Modification, proposing changes to the existing performance monitoring program was submitted on March 27, 2013, and approved by ODEQ (ODEQ, 2017). The 2013 Class 2 Permit modification optimized the compliance monitoring network resulting in a reduction of the total number of wells sampled and reassignment of the sampling frequency of a subset of monitoring wells.

The Resource Conservation and Recovery Act Correct Action Permit No. 9571824045-CA (Permit) Section III.B. lists three corrective action strategy (CAS) performance standards Altus AFB is required to meet, including: 1) Source Control Performance Standard; 2) Statutory and Regulatory Performance Standard; and 3) Final Risk Goal Performance Standard. Altus AFB will use surface water and groundwater contaminant concentrations in determining if the groundwater plumes continue to meet the final corrective action objective (CAO) defined in the Permit (i.e., plume containment). The monitoring system will consist of a compliance monitoring network. The goal of this Permit Attachment is to optimize the existing compliance monitoring well network and surface water sampling locations for the purpose of monitoring compliance with the CAOs.

#### A. COMPLIANCE MONITORING PROGRAM

The current Compliance Monitoring Network consists of groundwater monitoring wells and surface water sampling locations as shown in Attachment 4 on Figures 2, 3, 4 and 5 and listed in Table 1 Master List of Monitoring Wells Listed Alphanumerically (includes all wells from the current Compliance Monitoring Network and indicates the proposed optimization changes). Tables 2a, 2b, 3, 4, 5a and 5b

list the Optimized sampling locations (groundwater and surface water) by GWMU. **Figure 6** shows the base-wide optimized Compliance Monitoring Network and the Fall 2023 Trichloroethylene (TCE) plume footprint. **Figure 7** presents the optimized Compliance Monitoring Network at GWMU 1 and GWMU 2 and the Fall 2023 Carbon Tetrachloride plume footprint. Carbon Tetrachloride has not been detected above MCLs at GWMU 3 or GWMU 4. **Table 6** graphically summarized the proposed optimization changes. The Compliance Monitoring Network is designed to address Permit Section III.B.2.b., by monitoring contaminant levels in surface water and groundwater until said concentrations are conclusively demonstrated to be stable or shrinking. The Compliance Monitoring Network is as follows:

- 1. As described in the *CMI Performance Monitoring Plan*, the Compliance Monitoring Network consists of four types of groundwater monitoring wells:
  - a. Point-of-compliance (POC) wells are located at or near the most downgradient limit of the Altus AFB Institutional Controls (ICs). The purpose of the POC wells is to demonstrate that levels of contaminant concentrations are less than the federal maximum contaminant levels (MCLs) for drinking water at the POC, demonstrating that the groundwater exposure within the plume is under the control of Altus AFB.
  - b. Sentinel wells located immediately upgradient of the POC wells. The sentinel wells are intended to provide an early indication of plume migration that may potentially result in the exceedance of a contaminant MCL at a POC well.
  - c. Body-of-plume wells located within the body of the plumes. The purpose of the bodyof-plume wells is to provide information on contaminant concentrations within the plume.
  - d. Source area wells located at or within the known or suspected source areas of the plumes. The purpose of the source area wells is to provide data about the contaminant degradation processes and rates.
- 2. The surface water monitoring locations are POC locations located at the downstream limits of Altus AFB ICs. There are two surface water POC locations. One is located within Southern Unnamed Tributary of Stinking Creek on the south side of Highway 62, and the other is located where Stinking Creek exits the eastern base boundary.

The Compliance Monitoring Network sampling frequency is as follows:

- a. POC wells shall be sampled semiannually;
- b. Sentinel wells shall be sampled annually or triennially;
- c. Select body-of-plume wells shall be sampled annually or triennially;
- d. Source area wells shall be sampled annually or triennially; and
- e. Surface water POC locations shall be sampled semiannually.

The Compliance Monitoring Program will be evaluated for optimization by the Permitee prior to each CMI Performance Review. The optimization process may include optimizing: 1) the number of monitoring wells, which may require monitoring wells be removed or added to the Program; 2) the sampling frequency for each well; and/or 3) the analytical suite for each well. The intent of the optimization is to collect only the data necessary to measure the progress toward achieving the primary

groundwater CAO of plume containment at Altus AFB. Any optimization of the Compliance Monitoring Program would require the approval of the Administrative Authority.

## B. COMPLIANCE MONITORING SAMPLING AND ANALYSIS

- 1. All samples obtained from the Compliance Monitoring Network shall be analyzed for Volatile (or purgeable) Organic Compounds (VOCs) by USEPA Method SW8260C (Appendix IX). The specific parameters are listed in Table 7.2.4-1 of Part II of the *Final Performance Monitoring Sampling and Analysis Plan* for Altus AFB (Earth Tech AECOM, 2009) and approved by the ODEQ on December 24, 2008.
- 2. Field measurements of field parameters including pH, temperature, dissolved oxygen, oxidation reduction potential and specific conductivity shall be measured and recorded at the time of each sample collection. Samples will be obtained in accordance with the *Final Performance Monitoring Sampling and Analysis Plan, Part I Field Sampling Plan.*
- 3. Data validation shall be completed in accordance with the approved *Part II Quality Assurance Project Plan,* contained in the *Final Performance Monitoring Sampling and Analysis Plan.* The results of the analysis shall be presented in the annual Conceptual Site Model (CSM) Report required by Permit Section III.D.
- 4. If problems are identified with either the field sampling procedures or the laboratory QA/QC, the need to resample shall be at the discretion of the Administrative Authority.
- 5. The groundwater elevation shall be measured before each sample collection.
- 6. Data collected from the compliance monitoring activities may be used to update the Conceptual Site Model (CSM), as stipulated in Permit Section III.D.

## C. COMPLIANCE MONITORING DATA EVALUATION

- 1. Analytical data collected for each individual well and surface water sampling location shall be evaluated to determine if the plume is stable. Permit Section III.B.2.b. requires conclusive demonstration of a stable or shrinking plume. Acceptable methodology for demonstration of plume stability includes:
  - a. A non-parametric statistical procedure such as the Mann-Kendall Trend Analysis;
  - b. A parametric statistical procedure such as linear regression analysis; and
  - c. Numerical flow and transport modeling.
- 2. The analytical data collected from the compliance monitoring activities may be used to update the Conceptual Site Model (CSM), as required under Permit Section III.D.
- 3. In accordance with Permit Section III.C.1.d., the CMI Plan requires a review every three years to measure the effectiveness of the remedy in meeting the CAOs. Adjustments to data collection shall be made, as necessary.

## D. REPORTING

As required by Permit Section III.C.1.d, every three (3) years the effectiveness of the remedy shall be reviewed to determine if the selected remedy is meeting the CAOs listed in Permit Section III.B.2. This review will be documented in a CMI Performance Review Report every third year. The CMI Performance Review Reports will contain:

- a. A review and update (as necessary) of the conceptual site model (CSM), with new information collected;
- b. A comprehensive assessment of plume stability;
- c. An assessment of in situ attenuation rates;
- d. A summary or graphical representation of the statistical analyses conducted;
- e. A summary or graphical representation of the evaluation of the geochemical indicator parameters (e.g., iso-concentration maps of contaminant concentrations over time);
- f. A table summary of groundwater elevations;
- g. Groundwater flow direction and velocities and the equations, calculations, and parameters used to make the calculations; and
- h. Contour maps depicting iso-concentrations of COCs and plume boundaries.

In the years between CMI Performance Reviews, a concise annual report will be prepared that contains:

- a. A review and update (as necessary) of the CSM, with new information collected;
- b. A narrative summary of groundwater and surface water data;
- c. A table summary of groundwater and surface water detections;
- d. A summary or graphical representation of the statistical analyses conducted; and
- e. A table summary of groundwater elevations.

The annual data reports and CMI Performance Review Reports shall be submitted to the Administrative Authority by October 31 each year following the annual CMI review meeting.

## E. References

Earth Tech. 2002. Draft Resource Conservation and Recovery Act Facility Investigation, Investigation Analysis, Corrective Measures Study Report; Altus Air Force Base, Oklahoma. November.

Earth Tech. 2009. Final Appendix B Corrective Measures Implementation (CMI) Performance Monitoring Plan; Altus Air Force Base, Oklahoma. April.

Earth Tech. 2009. *Final Performance Monitoring Work Plan; Altus Air Force Base, Oklahoma.* June.

- Earth Tech. 2009. *Final Performance Monitoring Sampling and Analysis Plan; Altus Air Force Base, Oklahoma.* June.
- Earth Tech AECOM, 2012. Final Plume Stability Assessment Report for Altus Air Force Base, Oklahoma. February.

- Oklahoma Department of Environmental Quality (ODEQ). 2008. Letter from the Oklahoma Department of Environmental Quality approving the Draft Performance Monitoring Work Plan, Draft Performance Monitoring Health and Safety Plan, and Draft Performance Monitoring Sampling and Analysis Plan. December.
- ODEQ. 2009. Letter from the Oklahoma Department of Environmental Quality approving the Final CMI Work Plan and Appendices A through F. February.
- ODEQ. 2010. Resource Conservation and Recovery Act Corrective Action Permit No. 9571824045-CA, Altus Air Force Base, Oklahoma. January.

ODEQ. 2017. Letter from the Oklahoma Department of Environmental Quality approving the Class 2 Permit Modification: Optimization of groundwater monitoring EPA ID# OK9571824045; RCRA Corrective Action Permit #9571824045-CA. March.

United States Environmental Protection Agency (USEPA). 2009. Letter from the United States Environmental Protection Agency approving the Final CMI Work Plan and Appendices A through F. January.

# ATTACHMENT 4 ALTUS AIR FORCE BASE PERFORMANCE MONITORING PROGRAM TABLES AND FIGURES

# **ATTACHMENT 4**

Figure 1 Groundwater Management Units

Figure 2 Groundwater Management Unit 1

Figure 3 Groundwater Management Unit 2

Figure 4 Groundwater Management Unit 3

Figure 5 Groundwater Management Unit 4

Table 1 Master List of Monitoring Wells Listed Alphanumerically

Table 2a Optimized Monitoring Wells for GWMU 1

Table 2b Optimized Surface Water Locations for GWMU 1

Table 3 Optimized Monitoring Wells for GWMU 2

Table 4 Optimized Monitoring Wells for GWMU 3

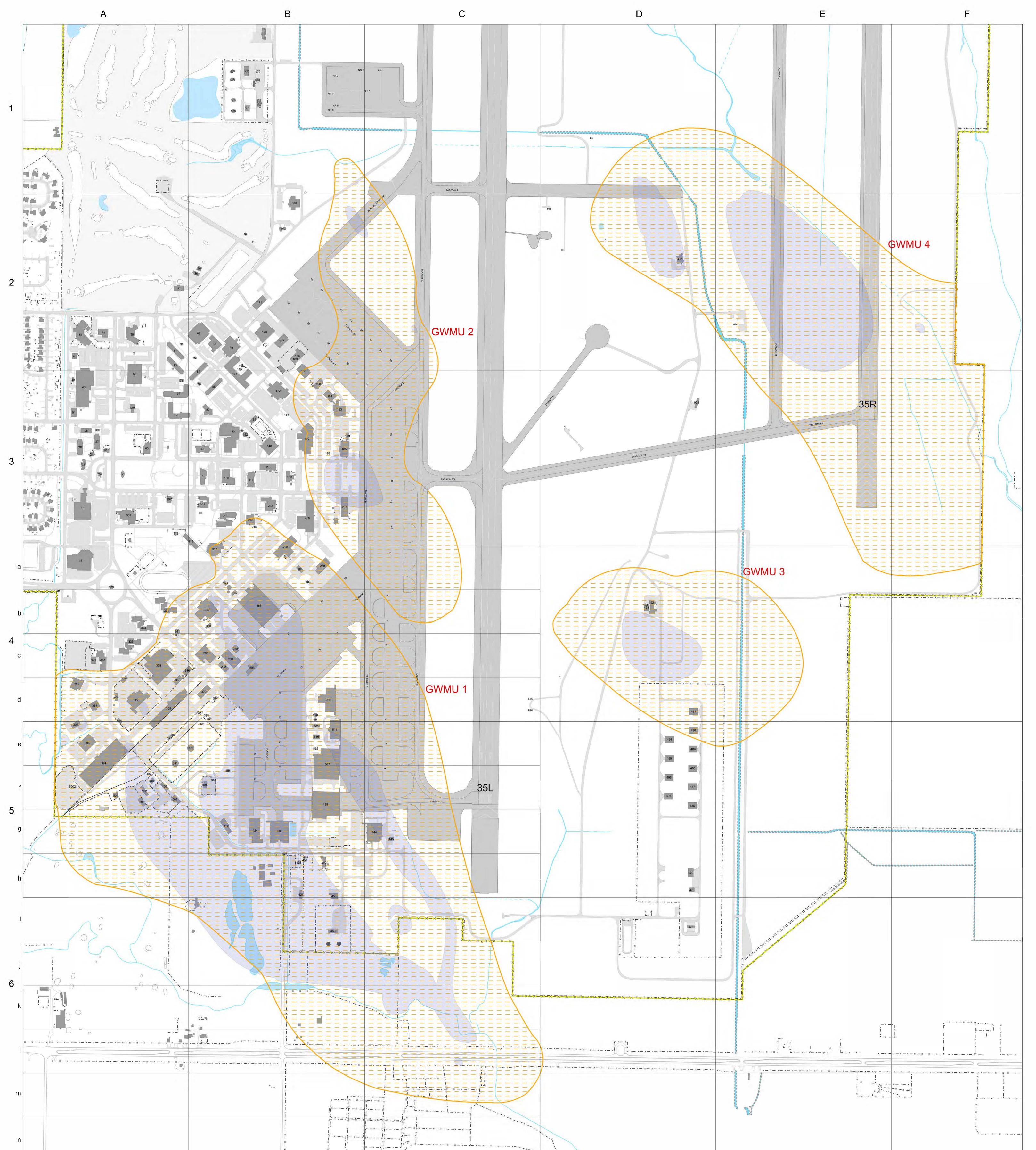
Table 5a Optimized Monitoring Wells for GWMU 4

Table 5b Optimized Surface Water Locations for GWMU 4

Figure 6 Proposed Base Wide Optimized Monitoring Network (Iso-Concentration Map of Trichloroethylene Plume)

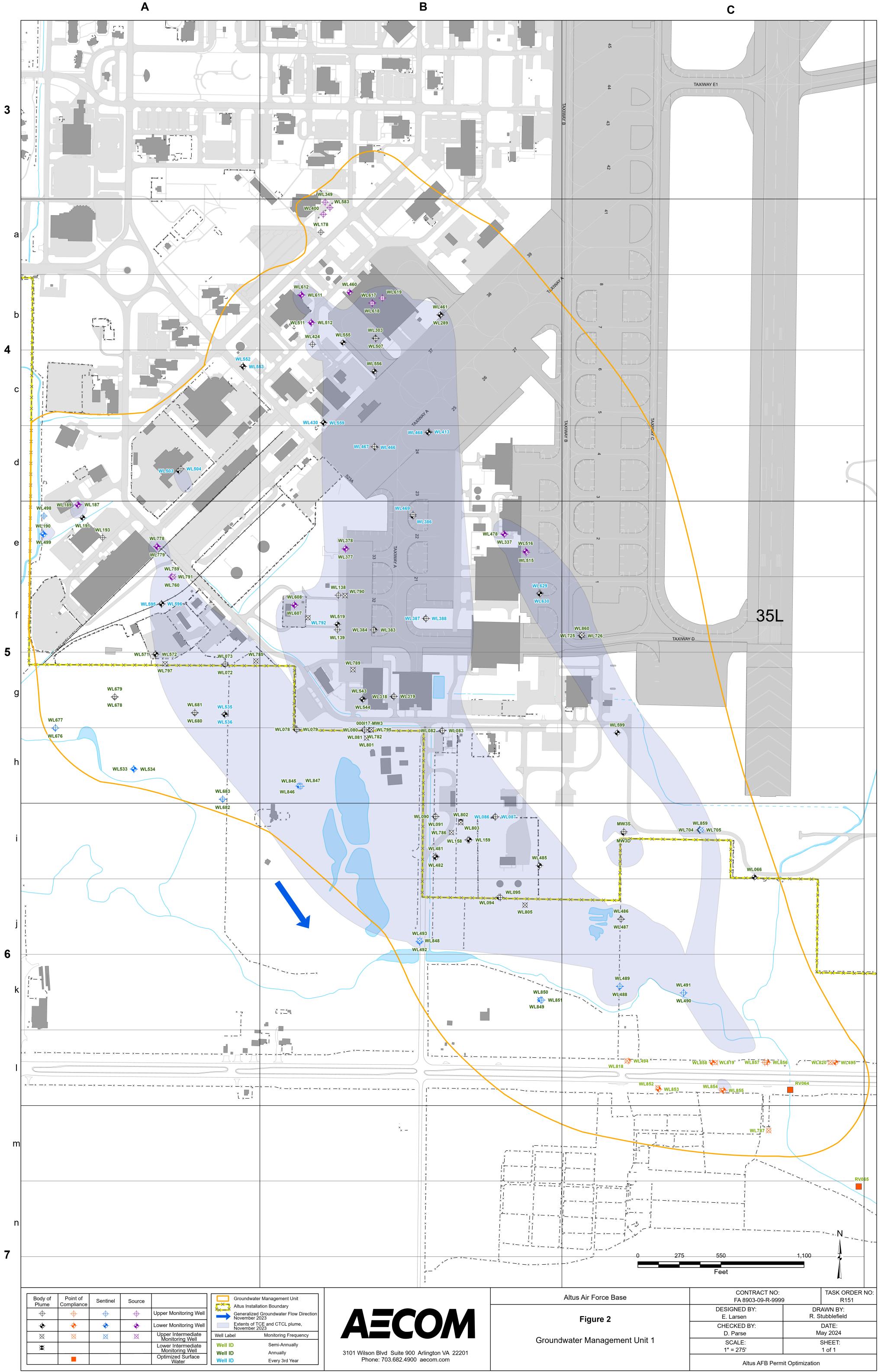
Figure 7 Proposed GWMU 1 and GWMU 2 Optimized Monitoring Network (Iso-Concentration Map of Carbon Tetrachloride Plume)

**Table 6 Summary of Proposed Optimization Changes** 



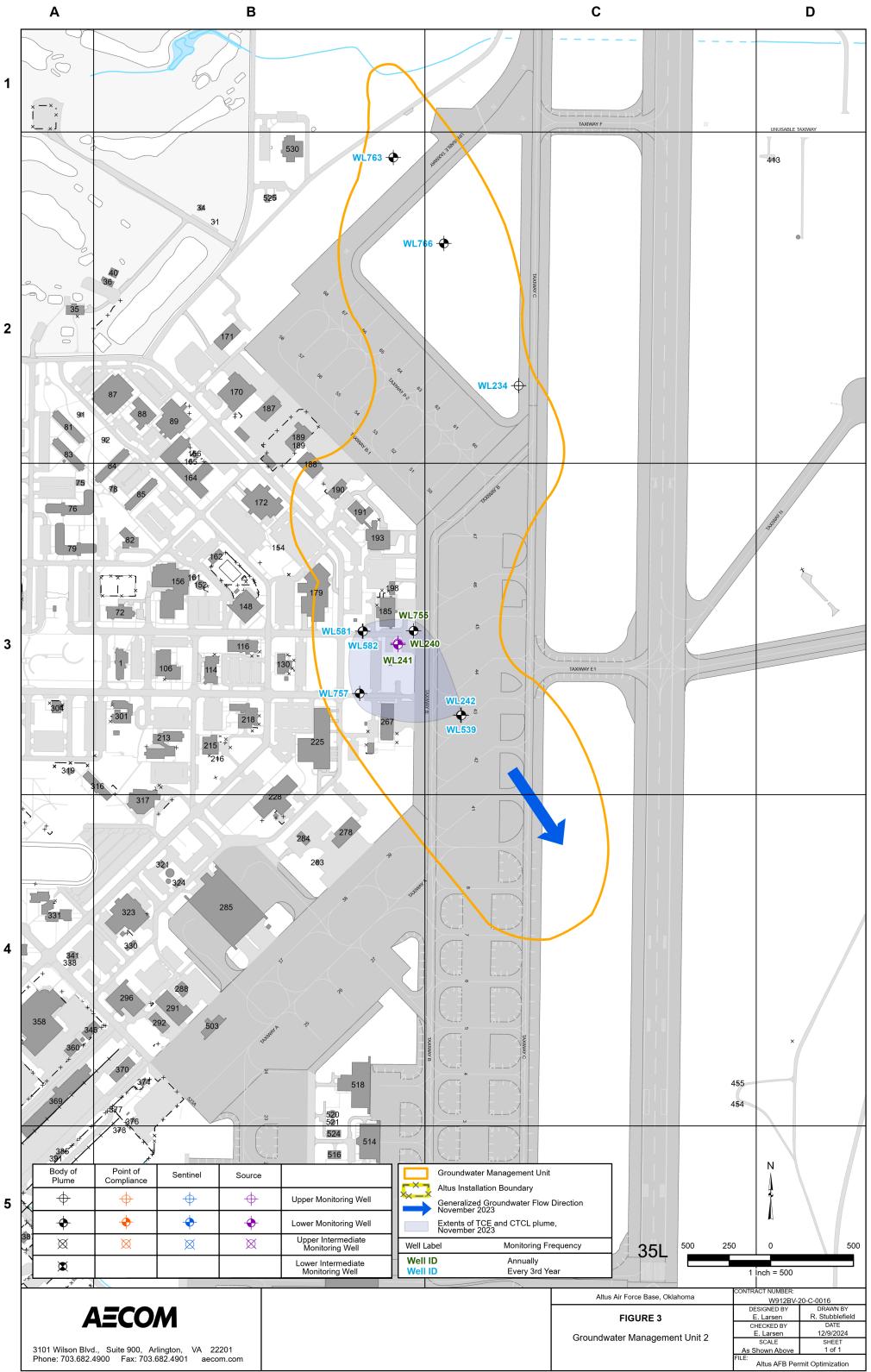
|   | $\frac{1}{x} + \frac{1}{x} + \frac{1}$ |  |                              | 350 175 0 350<br>Feet             | 700 N                        |
|---|--|--|------------------------------|-----------------------------------|------------------------------|
| Legend  |  |  | Altus Air Force Base         | CONTRACT NO:<br>FA 8903-09-R-9999 | TASK ORDER NO:<br>R151       |
| Plume Footprint   | NOTE:<br>The groundwater plumes shown are a general representation<br>of the plumes that occur across the Upper, Lower, and Intermediate   |  |                              | DESIGNED BY:<br>B. Perrigo        | DRAWN BY:<br>R. Stubblefield |
| GWMU  | (where present) aquifer zones: the plumes were first presented in the 2002 RFI Report.   | AECOM  | Figure 1                     | CHECKED BY:<br>D. Parse           | DATE:<br>July 2024           |
|   |  |  | Groundwater Management Units | SCALE:<br>1" = 275'               | SHEET:<br>1 ●f 1             |
| Laveut: Figure 1.2 Creuedweler Management Units Fell 2022 |  | 3101 Wilson Blvd Suite 900 Arlington VA 22201<br>Phone: 703.682.4900 aecom.com |                              | Altus AFB 20                      |                              |

Layout: Figure 1-2 Groundwater Management Units\_Fall\_2023 Path:L:\Legacy\Group\earth\Alfus AFB\GIS\ArcGIS Pro Projects Folder\Alfus AFB 2024 PM\Alfus AFB 2024 PM.aprx

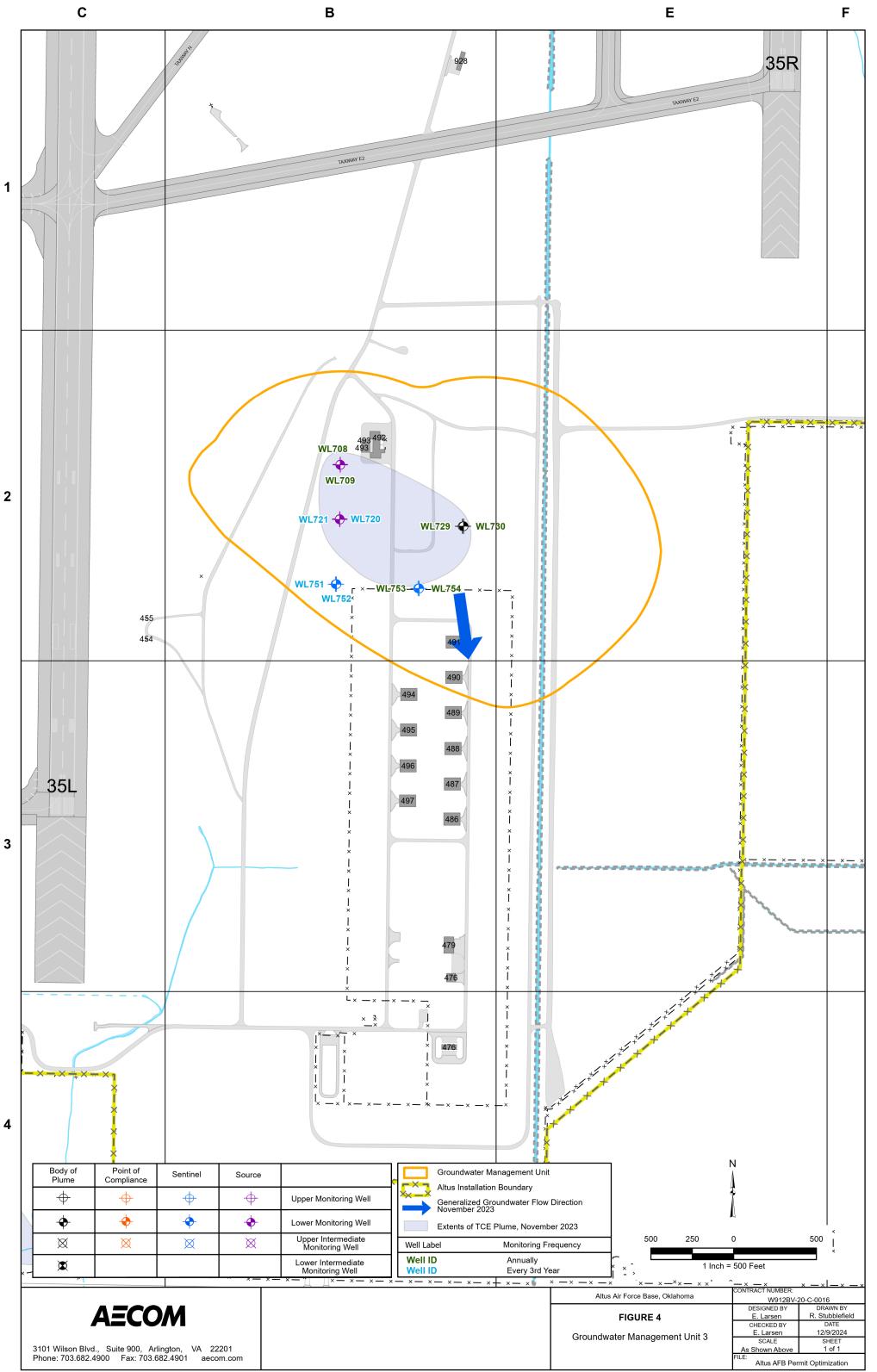


Β

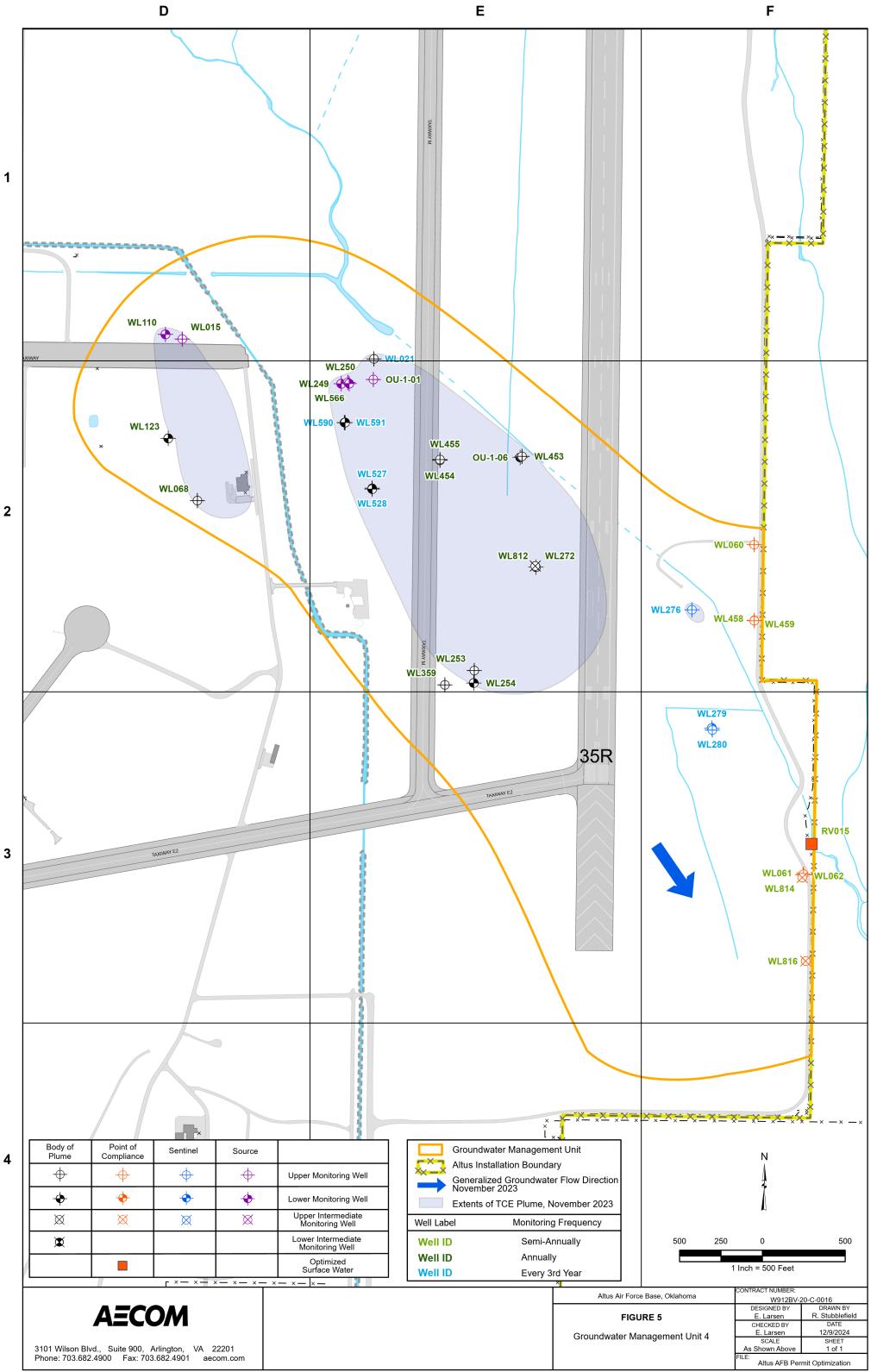
L:\Legacy\Group\earth\Altus AFB\GIS\ArcGIS Pro Projects Folder\Altus AFB Permit Optimization\Altus AFB Permit Optimization.aprx



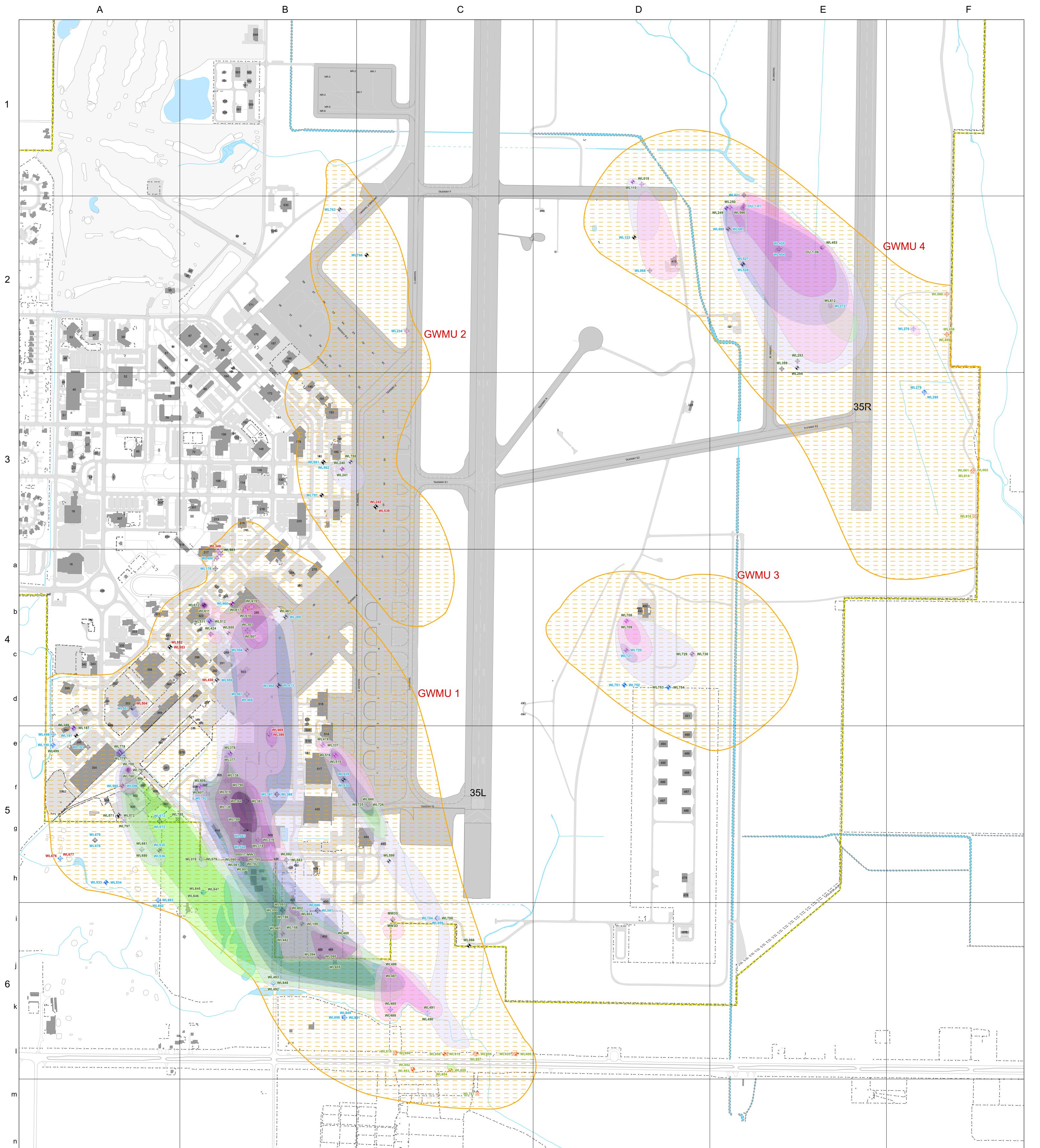
Layout: Figure 3 GWMU2 Monitoring Network 1117 Portrait Path: L:\Legacy\Group\earth\Altus AFB\GIS\ArcGIS Pro Projects Folder\Altus AFB Permit Optimization\Altus AFB Permit Optimization.aprx



Layout: Figure 4 GWMU 3 Monitoring Network 1117 Portrait Path: L:\Legacy\Group\earth\Altus AFB\GIS\ArcGIS Pro Projects Folder\Altus AFB Permit Optimization\Altus AFB Permit Optimization.aprx



Layout: Figure 5 GWMU4 Monitoring Network 1117 Portrait Path: L:\Legacy\Group\earth\Altus AFB\GIS\ArcGIS Pro Projects Folder\Altus AFB Permit Optimization\Altus AFB Permit Optimization.aprx

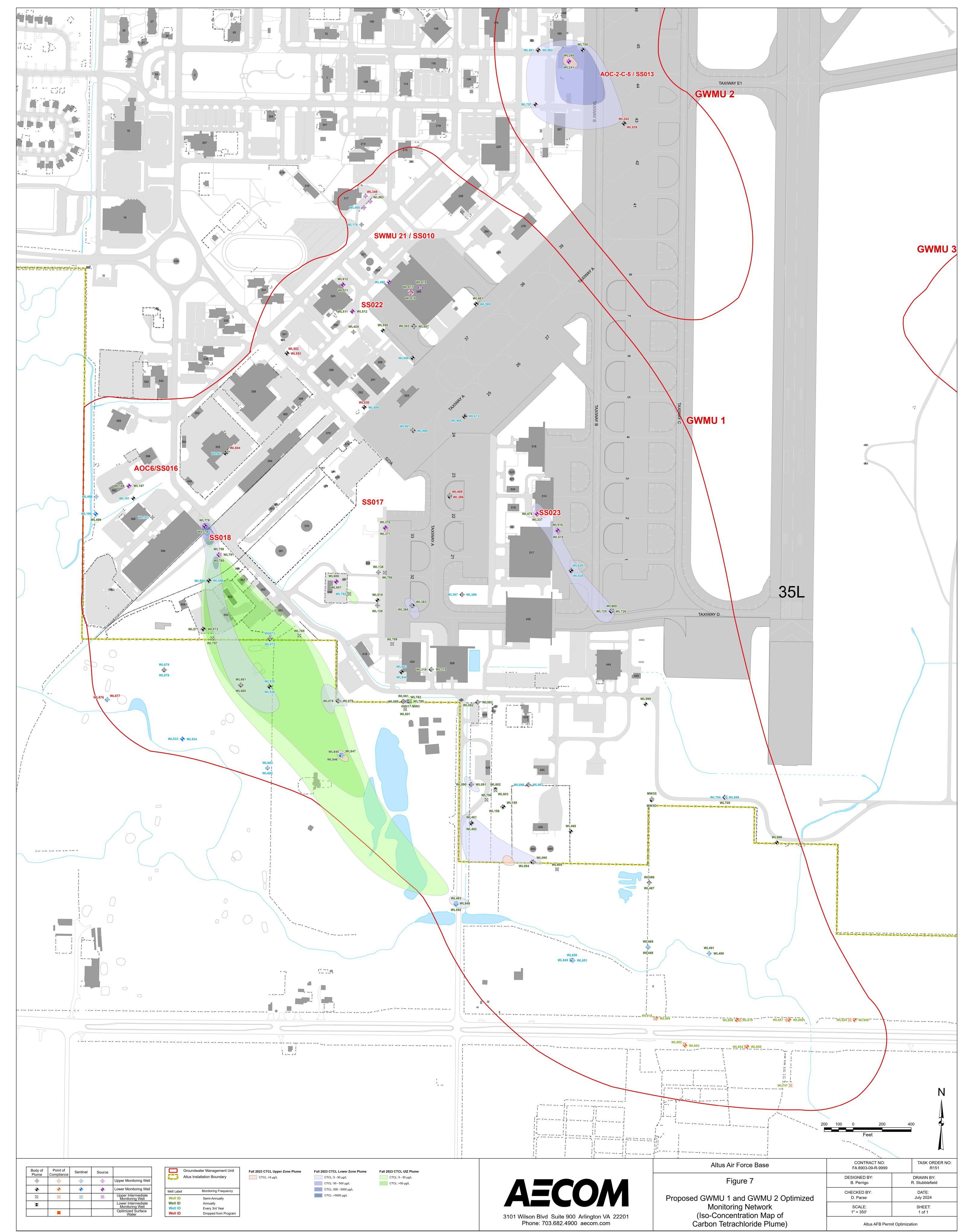


| 7 | $\begin{array}{c} x & x' \\ y & y' \\ x & x' \\ x & x$ |              | N              |
|---|--|--------------|----------------|
| ο |  |              |                |
| p |  | 350 175 0 35 |                |
|   |  |              | TASK ORDER NO: |

| Body of<br>Plume | Point of<br>Compliance | Sentinel | Source      |   |                               | Groundwater Management Unit | Fall 2         | <b>023 Upper Zone Plume</b><br>TCE: 5 - 50 μg/L   | Fall 20         | <b>D23 Lower Zone Plume</b><br>TCE: 5 - 50 μg/L | Fall 2 | 2 <b>023 UIZ Plume</b><br>TCE: 5 - 50 µg/L |
|------------------|------------------------|----------|-------------|---|-------------------------------|-----------------------------|----------------|---|-----------------|---|--------|--|
| <b></b>          | \$                     | $\phi$   | $\oplus$    | Upper Monitoring Well   |                               |                             |                | тсе: 50 - 500 µg/L  |                 | ТСЕ: 50 - 500 µg/L                              |        | ТСЕ: 50 - 500 µg/L                         |
| <b>+</b>         | <b>+</b>               | <b>+</b> | •           | Lower Monitoring Well   | Well Lab                      | el Monitoring Frequency     |                | TCE: 500 - 5000 µg/L  |                 | TCE: 500 - 5000 µg/L                            |        | TCE: >500 μg/L                             |
| X                | X                      | X        | $\boxtimes$ | Upper Intermediate<br>Monitoring Well                               | Well ID                       | Semi-Annually               |                | TCE: >5000 μg/L   |                 | TCE: >5000 µg/L                                 |        |  |
| X                |                        |          |             | Lower Intermediate<br>Monitoring Well<br>Optimized Surface<br>Water | Well ID<br>Well ID<br>Well ID | Every 3rd Year              |                | groundwater plumes shown are  | 0               |   |        |  |
|                  |                        |          |             |   |                               |                             | the U<br>aquif | esentation of the plumes that occ<br>Ipper, Lower, and Intermediate (<br>er zones: the plumes were first<br>002 RFI Report. | (where present) |   |        |  |

|  | Altus Air Force Base   | CONTRACT NO:<br>FA 8903-09-R-9999 | TASK ORDER NO:<br>R151       |
|--|--|-----------------------------------|------------------------------|
|  | Figure 6   | DESIGNED BY:<br>B. Perrigo        | DRAWN BY:<br>R. Stubblefield |
| AECOM  | Proposed Base Wide Optimized   | CHECKED BY:<br>D. Parse           | DATE:<br>July 2024           |
|  | Monitoring Network<br>(Iso-Concentration Map of Trichloroethylene Plume) | SCALE:<br>1" = 350'               | SHEET:<br>1 of 1             |
| 3101 Wilson Blvd Suite 900 Arlington VA 22201<br>Phone: 703.682.4900 aecom.com |  | Altus AFB Permi                   | t Optimization               |

Layout: Figure 6 Optimised Groundwater Management Units\_Fall\_2023 Path:L:\Legacy\Group\earth\Altus AFB\GIS\ArcGIS Pro Projects Folder\Altus AFB Permit Optimization\Altus AFB Permit Optimization.aprx



Layout: Figure 7 Proposed GWMU Monitoring Locations Fall\_20231 Path:L:\Legacy\Group\earth\Altus AFB\GIS\ArcGIS Pro Projects Folder\Altus AFB Permit Optimization\Altus AFB Permit Optimization.aprx

 Table 1

 Master List of Monitoring Wells Listed Alphanumerically

| Well ID    | GWMU | Monitoring Frequency | Site      | Location<br>Type | Well Screen Interval | Basewide Grid |
|------------|------|----------------------|-----------|------------------|----------------------|---------------|
| 000I17-MW3 | 1    | Annual               | SS017     | Body             | UIZ                  | B-5 (g)       |
| MW3D       | 1    | Annual               | SS017     | Body             | Lower                | C-6 (i)       |
| MW3S       | 1    | Annual               | SS017     | Body             | Upper                | C-6 (i)       |
| OU-1-01    | 4    | Triennial*           | LF004     | Source           | Upper                | E-2           |
| OU-1-06    | 4    | Annual               | LF004     | Body             | Lower                | E-2           |
| RV015      | 4    | Semi-annual          | LF004     | POC              | Surface Water        | F-3           |
| RV064      | 1    | Semi-annual          | SS017     | POC              | Surface Water        | C-6 (m)       |
| RV065      | 1    | Semi-annual          | SS017     | POC              | Surface Water        | C-7           |
| WL015      | 4    | Annual               | FT003     | Source           | Upper                | D-1           |
| WL021      | 4    | Triennial            | LF004     | Body             | Upper                | E-1           |
| WL060      | 4    | Semi-annual          | LF004     | POC              | Upper                | F-2           |
| WL061      | 4    | Semi-annual          | LF004     | POC              | Lower                | F-3           |
| WL062      | 4    | Semi-annual          | LF004     | POC              | Upper                | F-3           |
| WL066      | 1    | Annual               | SS017     | Body             | Lower                | C-6 (i)       |
| WL068      | 4    | Triennial*           | FT003     | Body             | Upper                | D-2           |
| WL072      | 1    | Triennial*           | SS018     | Body             | Lower                | A-5 (g)       |
| WL073      | 1    | Triennial*           | SS018     | Body             | Upper                | A-5 (g)       |
| WL078      | 1    | Annual               | SS017     | Body             | Lower                | B-5 (g)       |
| WL079      | 1    | Annual               | SS017     | Body             | Upper                | B-5 (g)       |
| WL080      | 1    | Annual               | SS017     | Body             | Lower                | B-5 (g)       |
| WL081      | 1    | Annual               | SS017     | Body             | Upper                | B-5 (g)       |
| WL082      | 1    | Annual               | SS017     | Body             | Lower                | B-5 (h)       |
| WL083      | 1    | Annual               | SS017     | Body             | Upper                | B-5 (h)       |
| WL086      | 1    | Triennial            | SS017     | Body             | Lower                | B-6 (i)       |
| WL087      | 1    | Triennial            | SS017     | Body             | Upper                | B-6 (i)       |
| WL090      | 1    | Annual               | SS017     | Body             | Lower                | B-6 (i)       |
| WL091      | 1    | Annual               | SS017     | Body             | Upper                | B-6 (i)       |
| WL094      | 1    | Annual               | SS017     | Body             | Lower                | B-6 (j)       |
| WL095      | 1    | Annual               | SS017     | Body             | Upper                | B-6 (j)       |
| WL110      | 4    | Annual               | FT003     | Source           | Lower                | D-1           |
| WL123      | 4    | Triennial*           | FT003     | Body             | Lower                | D-2           |
| WL138      | 1    | Annual               | SS017     | Body             | Upper                | B-5 (f)       |
| WL139      | 1    | Annual               | SS017     | Body             | Upper                | B-5 (f)       |
| WL158      | 1    | Annual               | SS017     | Body             | Upper                | B-6 (j)       |
| WL159      | 1    | Annual               | SS017     | Body             | Lower                | B-6 (j)       |
| WL178      | 1    | Triennial*           | SS022     | Body             | Upper                | B-4 (a)       |
| WL187      | 1    | Annual               | SS018     | Source           | Upper                | A-5 (e)       |
| WL189      | 1    | Annual               | SS018     | Source           | Lower                | A-5 (e)       |
| WL190      | 1    | Triennial            | SS018     | Sentinel         | Upper                | A-5 (e)       |
| WL191      | 1    | Triennial*           | SS018     | Body             | Lower                | A-5 (e)       |
| WL193      | 1    | Triennial*           | SS018     | Body             | Upper                | A-5 (e)       |
| WL234      | 2    | Triennial            | FT005     | Body             | Upper                | C-2           |
| WL240      | 2    | Annual               | AOC 2 C-5 | Source           | Upper                | В-3           |
| WL241      | 2    | Annual               | AOC 2 C-5 | Source           | Lower                | В-3           |

 Table 1

 Master List of Monitoring Wells Listed Alphanumerically (Continued)

| Well ID | GWMU | Monitoring Frequency | Site      | Location<br>Type | Well Screen Interval | Basewide Grid |
|---------|------|----------------------|-----------|------------------|----------------------|---------------|
| WL242   | 2    | Not included in PM   | AOC 2 C-5 | Body             | Upper                | C-3           |
| WL249   | 4    | Annual               | LF004     | Source           | Lower                | E-2           |
| WL250   | 4    | Annual               | LF004     | Source           | Upper                | E-2           |
| WL253   | 4    | Annual               | LF014     | Body             | Upper                | E-2           |
| WL254   | 4    | Annual               | LF014     | Body             | Lower                | E-2           |
| WL272   | 4    | Triennial*           | LF004     | Body             | Lower                | E-2           |
| WL276   | 4    | Triennial            | LF004     | Sentinel         | Upper                | F-2           |
| WL279   | 4    | Triennial            | LF004     | Sentinel         | Lower                | F-3           |
| WL280   | 4    | Triennial            | LF004     | Sentinel         | Upper                | F-3           |
| WL289   | 1    | Triennial*           | SS022     | Body             | Upper                | B-4 (b)       |
| WL303   | 1    | Annual               | SS022     | Body             | Lower                | B-4 (b)       |
| WL318   | 1    | Annual               | SS017     | Body             | Lower                | B-5 (g)       |
| WL319   | 1    | Annual               | SS017     | Body             | Upper                | B-5 (g)       |
| WL337   | 1    | Annual               | SS023     | Source           | Upper                | B-5 (e)       |
| WL349   | 1    | Not included in PM   | SS022     | Source           | Upper                | B-4 (a)       |
| WL359   | 4    | Annual               | LF014     | Body             | Upper                | E-2           |
| WL377   | 1    | Annual               | SS017     | Source           | Upper                | B-5 (e)       |
| WL378   | 1    | Annual               | SS017     | Source           | Lower                | B-5 (e)       |
| WL383   | 1    | Annual               | SS017     | Body             | Lower                | B-5 (f)       |
| WL384   | 1    | Annual               | SS017     | Body             | Upper                | B-5 (f)       |
| WL386   | 1    | Not included in PM   | SS022     | Body             | Lower                | B-5 (e)       |
| WL387   | 1    | Triennial            | SS017     | Body             | Lower                | B-5 (f)       |
| WL388   | 1    | Triennial            | SS017     | Body             | Upper                | B-5 (f)       |
| WL400   | 1    | Triennial*           | SS022     | Source           | Upper                | B-4 (a)       |
| WL413   | 1    | Triennial            | SS022     | Body             | Upper                | B-4d          |
| WL424   | 1    | Annual               | SS022     | Body             | Upper                | B-4 (b)       |
| WL430   | 1    | Not included in PM   | SS022     | Body             | Upper                | B-4 (c)       |
| WL453   | 4    | Annual               | LF004     | Body             | Upper                | E-2           |
| WL454   | 4    | Triennial*           | LF004     | Body             | Lower                | E-2           |
| WL455   | 4    | Triennial*           | LF004     | Body             | Upper                | E-2           |
| WL458   | 4    | Semi-annual          | LF004     | POC              | Lower                | F-2           |
| WL459   | 4    | Semi-annual          | LF004     | POC              | Upper                | F-2           |
| WL460   | 1    | Triennial*           | SS022     | Source           | Lower                | B-4 (b)       |
| WL461   | 1    | Annual               | SS022     | Body             | Lower                | B-4 (b)       |
| WL466   | 1    | Triennial            | SS022     | Body             | Lower                | B-4d          |
| WL467   | 1    | Triennial            | SS022     | Body             | Upper                | d-4d          |
| WL468   | 1    | Triennial            | SS022     | Body             | Lower                | B-4d          |
| WL469   | 1    | Not included in PM   | SS022     | Body             | Upper                | B-5 (e)       |
| WL478   | 1    | Annual               | SS023     | Source           | Lower                | B-5 (e)       |
| WL481   | 1    | Annual               | SS017     | Body             | Upper                | B-6 (j)       |
| WL482   | 1    | Annual               | SS017     | Body             | Lower                | B-6 (j)       |
| WL485   | 1    | Annual               | SS017     | Body             | Lower                | B-6 (i)       |
| WL486   | 1    | Annual               | SS017     | Body             | Lower                | C-6 (j)       |
| WL487   | 1    | Annual               | SS017     | Body             | Upper                | C-6 (j)       |

 Table 1

 Master List of Monitoring Wells Listed Alphanumerically (Continued)

| Well ID | GWMU | Monitoring Frequency | Site      | Location<br>Type | Well Screen Interval | Basewide Grid |
|---------|------|----------------------|-----------|------------------|----------------------|---------------|
| WL488   | 1    | Annual               | SS017     | Sentinel         | Lower                | C-6 (k)       |
| WL489   | 1    | Annual               | SS017     | Sentinel         | Upper                | C-6 (k)       |
| WL490   | 1    | Annual               | SS017     | Sentinel         | Lower                | C-6 (k)       |
| WL491   | 1    | Annual               | SS017     | Sentinel         | Upper                | C-6 (k)       |
| WL492   | 1    | Annual               | SS017     | Sentinel         | Lower                | B-6 (j)       |
| WL493   | 1    | Annual               | SS017     | Sentinel         | Upper                | B-6 (j)       |
| WL494   | 1    | Semi-annual          | SS017     | POC              | Lower                | C-6 (l)       |
| WL495   | 1    | Semi-annual          | SS017     | POC              | Lower                | C-6 (l)       |
| WL498   | 1    | Triennial*           | SS018     | Sentinel         | Upper                | A-5 (e)       |
| WL499   | 1    | Annual               | SS018     | Sentinel         | Lower                | A-5 (e)       |
| WL503   | 1    | Triennial            | SS022     | Body             | Lower                | A-4 (b)       |
| WL504   | 1    | Not included in PM   | SS022     | Body             | Upper                | A-4 (b)       |
| WL507   | 1    | Annual               | SS022     | Body             | Upper                | B-4 (b)       |
| WL511   | 1    | Annual               | SS022     | Source           | Upper                | B-4 (b)       |
| WL512   | 1    | Annual               | SS022     | Source           | Lower                | B-4 (b)       |
| WL515   | 1    | Annual               | SS023     | Source           | Upper                | B-5 (e)       |
| WL516   | 1    | Annual               | SS023     | Source           | Lower                | B-5 (e)       |
| WL519   | 1    | Annual               | SS017     | Body             | Lower                | B-5 (f)       |
| WL527   | 4    | Triennial            | LF004     | Body             | Upper                | E-2           |
| WL528   | 4    | Triennial            | LF004     | Body             | Lower                | E-2           |
| WL533   | 1    | Triennial*           | SS018     | Sentinel         | Upper                | A-5 (h)       |
| WL534   | 1    | Triennial*           | SS018     | Sentinel         | Lower                | A-5 (h)       |
| WL535   | 1    | Triennial            | SS018     | Body             | Upper                | A-5 (g)       |
| WL536   | 1    | Triennial            | SS018     | Body             | Lower                | A-5 (g)       |
| WL539   | 2    | Not included in PM   | AOC 2 C-5 | Body             | Lower                | C-3           |
| WL543   | 1    | Triennial*           | SS017     | Body             | Upper                | B-5 (g)       |
| WL544   | 1    | Triennial*           | SS017     | Body             | Lower                | B-5 (g)       |
| WL552   | 1    | Not included in PM   | SS022     | Body             | Upper                | A-4 (c)       |
| WL553   | 1    | Not included in PM   | SS022     | Body             | Lower                | A-4 (c)       |
| WL555   | 1    | Annual               | SS022     | Body             | Lower                | B-4 (b)       |
| WL556   | 1    | Triennial*           | SS022     | Body             | Lower                | B-4 (c)       |
| WL559   | 1    | Triennial            | SS022     | Body             | Lower                | B-4 (c)       |
| WL566   | 4    | Annual               | LF004     | Source           | Lower                | E-2           |
| WL571   | 1    | Annual               | SS018     | Body             | Upper                | A-5 (f)       |
| WL572   | 1    | Annual               | SS018     | Body             | Lower                | A-5 (f)       |
| WL581   | 2    | Triennial            | AOC 2 C-5 | Body             | Upper                | B-3           |
| WL582   | 2    | Triennial            | AOC 2 C-5 | Body             | Lower                | В-3           |
| WL583   | 1    | Annual               | SS022     | Source           | Upper                | B-4 (a)       |
| WL590   | 4    | Triennial            | LF004     | Body             | Upper                | E-2           |
| WL591   | 4    | Triennial            | LF004     | Body             | Lower                | E-2           |
| WL595   | 1    | Triennial            | SS018     | Body             | Upper                | A-5 (f)       |
| WL596   | 1    | Triennial            | SS018     | Body             | Lower                | A-5 (f)       |
| WL599   | 1    | Annual               | SS023     | Body             | Lower                | C-5 (h)       |
| WL607   | 1    | Annual               | SS017     | Source           | Upper                | B-5 (f)       |

 Table 1

 Master List of Monitoring Wells Listed Alphanumerically (Continued)

| Well ID | GWMU | Monitoring Frequency | Site      | Location<br>Type | Well Screen Interval | Basewide Grid |
|---------|------|----------------------|-----------|------------------|----------------------|---------------|
| WL608   | 1    | Annual               | SS017     | Source           | Lower                | B-5 (f)       |
| WL611   | 1    | Annual               | SS022     | Source           | Upper                | B-4 (b)       |
| WL612   | 1    | Annual               | SS022     | Source           | Lower                | B-4 (b)       |
| WL617   | 1    | Annual               | SS022     | Source           | Lower                | B-4 (b)       |
| WL618   | 1    | Annual               | SS022     | Source           | Upper                | B-4 (b)       |
| WL619   | 1    | Annual               | SS022     | Source           | Upper                | B-4 (b)       |
| WL629   | 1    | Triennial            | SS023     | Body             | Upper                | B-5 (f)       |
| WL630   | 1    | Triennial            | SS023     | Body             | Lower                | B-5 (f)       |
| WL676   | 1    | Not included in PM   | SS018     | Sentinel         | Lower                | A-5 (g)       |
| WL677   | 1    | Not included in PM   | SS018     | Sentinel         | Upper                | A-5 (g)       |
| WL678   | 1    | Triennial*           | SS018     | Body             | Lower                | A-5 (g)       |
| WL679   | 1    | Triennial*           | SS018     | Body             | Upper                | A-5 (g)       |
| WL680   | 1    | Annual               | SS018     | Body             | Lower                | A-5 (g)       |
| WL681   | 1    | Annual               | SS018     | Body             | Upper                | A-5 (g)       |
| WL682   | 1    | Triennial*           | SS018     | Sentinel         | Lower                | A-5 (h)       |
| WL683   | 1    | Triennial*           | SS018     | Sentinel         | Upper                | A-5 (h)       |
| WL704   | 1    | Triennial*           | SS023     | Body             | Upper                | C-6 (i)       |
| WL705   | 1    | Annual               | SS023     | Body             | Lower                | C-6 (i)       |
| WL708   | 3    | Annual               | SS024     | Source           | Upper                | D-4           |
| WL709   | 3    | Annual               | SS024     | Source           | Lower                | D-4           |
| WL720   | 3    | Triennial            | SS024     | Source           | Upper                | D-4           |
| WL721   | 3    | Triennial            | SS024     | Source           | Lower                | D-4           |
| WL725   | 1    | Annual               | SS023     | Body             | Upper                | C-5 (f)       |
| WL726   | 1    | Annual               | SS023     | Body             | Lower                | C-5 (f)       |
| WL729   | 3    | Annual               | SS024     | Body             | Upper                | D-4           |
| WL730   | 3    | Annual               | SS024     | Body             | Lower                | D-4           |
| WL751   | 3    | Triennial            | SS024     | Sentinel         | Upper                | D-4           |
| WL752   | 3    | Triennial            | SS024     | Sentinel         | Lower                | D-4           |
| WL753   | 3    | Annual               | SS024     | Sentinel         | Upper                | D-4           |
| WL754   | 3    | Annual               | SS024     | Sentinel         | Lower                | D-4           |
| WL755   | 2    | Annual               | AOC 2 C-5 | Body             | Lower                | B-3           |
| WL757   | 2    | Triennial            | AOC 2 C-5 | Body             | Lower                | B-3           |
| WL759   | 1    | Annual               | SS018     | Source           | Upper                | A-5 (e)       |
| WL760   | 1    | Annual               | SS018     | Source           | Lower                | A-5 (e)       |
| WL763   | 2    | Triennial            | FT005     | Body             | Lower                | B-2           |
| WL766   | 2    | Triennial            | FT005     | Body             | Lower                | C-2           |
| WL778   | 1    | Annual               | SS018     | Source           | Upper                | A-5 (e)       |
| WL779   | 1    | Annual               | SS018     | Source           | Lower                | A-5 (e)       |
| WL782   | 1    | Annual               | SS017     | Body             | LIZ                  | B-5 (g)       |
| WL785   | 1    | Annual               | SS018     | Body             | UIZ                  | A-5 (g)       |
| WL786   | 1    | Annual               | SS017     | Body             | UIZ                  | B-6 (j)       |
| WL787   | 1    | Semi-annual          | SS017     | POC              | UIZ                  | C-7           |
| WL789   | 1    | Annual               | SS017     | Body             | UIZ                  | B-5 (g)       |
| WL790   | 1    | Annual               | SS017     | Body             | UIZ                  | B-5 (f)       |

 Table 1

 Master List of Monitoring Wells Listed Alphanumerically (Continued)

| Well ID | GWMU | Monitoring Frequency | Site  | Location<br>Type | Well Screen Interval | Basewide Grid |
|---------|------|----------------------|-------|------------------|----------------------|---------------|
| WL791   | 1    | Annual               | SS018 | Source           | UIZ                  | A-5 (e)       |
| WL792   | 1    | Triennial            | SS017 | Body             | UIZ                  | B-5 (f)       |
| WL795   | 1    | Annual               | SS017 | Body             | UIZ                  | B-5 (g)       |
| WL797   | 1    | Annual               | SS018 | Body             | UIZ                  | A-5 (g)       |
| WL801   | 1    | Annual               | SS017 | Body             | UIZ                  | B-5 (h)       |
| WL802   | 1    | Annual               | SS017 | Body             | LIZ                  | B-6 (i)       |
| WL803   | 1    | Annual               | SS017 | Body             | UIZ                  | B-6 (i)       |
| WL805   | 1    | Annual               | SS017 | Body             | UIZ                  | B-6 (j)       |
| WL812   | 4    | Annual               | LF004 | Body             | UIZ                  | E-2           |
| WL814   | 4    | Semi-annual          | LF004 | POC              | UIZ                  | F-3           |
| WL816   | 4    | Semi-annual          | LF004 | POC              | UIZ                  | F-3           |
| WL818   | 1    | Semi-annual          | SS017 | POC              | UIZ                  | C-6 (l)       |
| WL819   | 1    | Semi-annual          | SS017 | POC              | UIZ                  | C-6 (l)       |
| WL820   | 1    | Semi-annual          | SS017 | POC              | UIZ                  | C-6 (l)       |
| WL845   | 1    | Annual               | SS017 | Sentinel         | UIZ                  | B-5 (h)       |
| WL846   | 1    | Annual               | SS017 | Sentinel         | Lower                | B-5 (h)       |
| WL847   | 1    | Annual               | SS017 | Sentinel         | Upper                | B-5 (h)       |
| WL848   | 1    | Annual               | SS017 | Sentinel         | UIZ                  | B-6 (j)       |
| WL849   | 1    | Triennial*           | SS017 | Sentinel         | UIZ                  | B-6 (k)       |
| WL850   | 1    | Triennial*           | SS017 | Sentinel         | Lower                | B-6 (k)       |
| WL851   | 1    | Triennial*           | SS017 | Sentinel         | Upper                | B-6 (k)       |
| WL852   | 1    | Semi-annual          | SS017 | POC              | UIZ                  | C-6 (l)       |
| WL853   | 1    | Semi-annual          | SS017 | POC              | Lower                | C-6 (l)       |
| WL854   | 1    | Semi-annual          | SS017 | POC              | UIZ                  | C-6 (l)       |
| WL855   | 1    | Semi-annual          | SS017 | POC              | Lower                | C-6 (l)       |
| WL856   | 1    | Semi-annual          | SS017 | POC              | Lower                | C-6 (l)       |
| WL857   | 1    | Semi-annual          | SS017 | POC              | Upper                | C-6 (l)       |
| WL858   | 1    | Semi-annual          | SS017 | POC              | Lower                | C-6 (l)       |
| WL859   | 1    | Triennial*           | SS023 | Sentinel         | UIZ                  | C-6 (i)       |
| WL860   | 1    | Annual               | SS023 | Body             | UIZ                  | C-5 (f)       |

\* Frequency change

Table 2a Optimized Monitoring Wells for GWMU 1

| Well ID        | Site           | Screen Interval | Designation | Frequency | Basewide Grid      |
|----------------|----------------|-----------------|-------------|-----------|--------------------|
| 000I17-MW3     | SS017          | UIZ             | Body        | Annual    | B-5 (g)            |
| MW3D           | SS017          | Lower           | Body        | Annual    | C-6 (i)            |
| MW3S           | SS017          | Upper           | Body        | Annual    | C-6 (i)            |
| WL066          | SS017          | Lower           | Body        | Annual    | C-6 (i)            |
| WL072          | SS018          | Lower           | Body        | Triennial | A-5 (g)            |
| WL073          | SS018          | Upper           | Body        | Triennial | A-5 (g)            |
| WL078          | SS017          | Lower           | Body        | Annual    | B-5 (g)            |
| WL079          | SS017          | Upper           | Body        | Annual    | B-5 (g)            |
| WL080          | SS017          | Lower           | Body        | Annual    | B-5 (g)            |
| WL081          | SS017          | Upper           | Body        | Annual    | B-5 (g)            |
| WL082          | SS017          | Lower           | Body        | Annual    | B-5 (h)            |
| WL083          | SS017          | Upper           | Body        | Annual    | B-5 (h)            |
| WL086          | SS017          | Lower           | Body        | Triennial | B-6 (i)            |
| WL087          | SS017          | Upper           | Body        | Triennial | B-6 (i)            |
| WL090          | SS017          | Lower           | Body        | Annual    | B-6 (i)            |
| WL091          | SS017          | Upper           | Body        | Annual    | B-6 (i)            |
| WL094          | SS017          | Lower           | Body        | Annual    | B-6 (j)            |
| WL094<br>WL095 | SS017          | Upper           | Body        | Annual    | B-6 (j)            |
| WL093<br>WL138 | SS017<br>SS017 | Upper           | Body        | Annual    | B-0 (J)<br>B-5 (f) |
| WL138<br>WL139 |                |                 | ÷           | Annual    |                    |
|                | SS017<br>SS017 | Upper           | Body        |           | B-5 (f)            |
| WL158          |                | Upper           | Body        | Annual    | B-6 (j)            |
| WL159          | SS017          | Lower           | Body        | Annual    | B-6 (j)            |
| WL178          | SS022          | Upper           | Body        | Triennial | B-4 (a)            |
| WL187          | SS018          | Upper           | Source      | Annual    | A-5 (e)            |
| WL189          | SS018          | Lower           | Source      | Annual    | A-5 (e)            |
| WL190          | SS018          | Upper           | Sentinel    | Triennial | A-5 (e)            |
| WL191          | SS018          | Lower           | Body        | Triennial | A-5 (e)            |
| WL193          | SS018          | Upper           | Body        | Triennial | A-5 (e)            |
| WL289          | SS022          | Upper           | Body        | Triennial | B-4 (b)            |
| WL303          | SS022          | Lower           | Body        | Annual    | B-4 (b)            |
| WL318          | SS017          | Lower           | Body        | Annual    | B-5 (g)            |
| WL319          | SS017          | Upper           | Body        | Annual    | B-5 (g)            |
| WL337          | SS023          | Upper           | Source      | Annual    | B-5 (e)            |
| WL377          | SS017          | Upper           | Source      | Annual    | B-5 (e)            |
| WL378          | SS017          | Lower           | Source      | Annual    | B-5 (e)            |
| WL383          | SS017          | Lower           | Body        | Annual    | B-5 (f)            |
| WL384          | SS017          | Upper           | Body        | Annual    | B-5 (f)            |
| WL387          | SS017          | Lower           | Body        | Triennial | B-5 (f)            |
| WL388          | SS017          | Upper           | Body        | Triennial | B-5 (f)            |
| WL400          | SS022          | Upper           | Source      | Triennial | B-4 (a)            |
| WL413          | SS022          | Upper           | Body        | Triennial | B-4d               |
| WL424          | SS022          | Upper           | Body        | Annual    | B-4 (b)            |
| WL460          | SS022          | Lower           | Source      | Triennial | B-4 (b)            |
| WL461          | SS022          | Lower           | Body        | Annual    | B-4 (b)            |
| WL466          | SS022          | Lower           | Body        | Triennial | B-4d               |

Table 2a Optimized Monitoring Wells for GWMU 1 (Continued)

| Well ID        | Site           | Screen Interval | Designation | Frequency   | Basewide Grid      |
|----------------|----------------|-----------------|-------------|-------------|--------------------|
| WL467          | SS022          | Upper           | Body        | Triennial   | d-4d               |
| WL468          | SS022          | Lower           | Body        | Triennial   | B-4d               |
| WL478          | SS023          | Lower           | Source      | Annual      | B-5 (e)            |
| WL481          | SS017          | Upper           | Body        | Annual      | B-6 (j)            |
| WL482          | SS017          | Lower           | Body        | Annual      | B-6 (j)            |
| WL485          | SS017          | Lower           | Body        | Annual      | B-6 (i)            |
| WL486          | SS017          | Lower           | Body        | Annual      | C-6 (j)            |
| WL487          | SS017          | Upper           | Body        | Annual      | C-6 (j)            |
| WL488          | SS017          | Lower           | Sentinel    | Annual      | C-6 (k)            |
| WL489          | SS017          | Upper           | Sentinel    | Annual      | C-6 (k)            |
| WL490          | SS017          | Lower           | Sentinel    | Annual      | C-6 (k)            |
| WL491          | SS017          | Upper           | Sentinel    | Annual      | C-6 (k)            |
| WL492          | SS017          | Lower           | Sentinel    | Annual      | B-6 (j)            |
| WL493          | SS017          | Upper           | Sentinel    | Annual      | B-6 (j)            |
| WL494          | SS017<br>SS017 | Lower           | POC         | Semi-annual | C-6 (1)            |
| WL495          | SS017<br>SS017 | Lower           | POC         | Semi-annual | C-6 (1)            |
| WL498          | SS017          | Upper           | Sentinel    | Triennial   | A-5 (e)            |
| WL499          | SS018          | Lower           | Sentinel    | Annual      | A-5 (e)            |
| WL503          | SS018          | Lower           | Body        | Triennial   | A-4 (b)            |
| WL503<br>WL507 | SS022<br>SS022 | Upper           | Body        | Annual      | B-4 (b)            |
| WL507<br>WL511 | SS022<br>SS022 | Upper           | Source      | Annual      | B-4 (b)            |
| WL511<br>WL512 | SS022<br>SS022 | Lower           | Source      | Annual      | B-4 (b)            |
| WL512<br>WL515 | SS022<br>SS023 |                 | Source      | Annual      | B-4 (0)<br>B-5 (e) |
| WL313<br>WL516 | SS023          | Upper<br>Lower  | _           |             |                    |
|                |                |                 | Source      | Annual      | B-5 (e)            |
| WL519          | SS017          | Lower           | Body        | Annual      | B-5(f)             |
| WL533          | SS018          | Upper           | Sentinel    | Triennial   | A-5 (h)            |
| WL534          | SS018          | Lower           | Sentinel    | Triennial   | A-5 (h)            |
| WL535          | SS018          | Upper           | Body        | Triennial   | A-5 (g)            |
| WL536          | SS018          | Lower           | Body        | Triennial   | A-5 (g)            |
| WL543          | SS017          | Upper           | Body        | Triennial   | B-5 (g)            |
| WL544          | SS017          | Lower           | Body        | Triennial   | B-5 (g)            |
| WL555          | SS022          | Lower           | Body        | Annual      | B-4 (b)            |
| WL556          | SS022          | Lower           | Body        | Triennial   | B-4 (c)            |
| WL559          | SS022          | Lower           | Body        | Triennial   | B-4 (c)            |
| WL571          | SS018          | Upper           | Body        | Annual      | A-5 (f)            |
| WL572          | SS018          | Lower           | Body        | Annual      | A-5 (f)            |
| WL583          | SS022          | Upper           | Source      | Annual      | B-4 (a)            |
| WL595          | SS018          | Upper           | Body        | Triennial   | A-5 (f)            |
| WL596          | SS018          | Lower           | Body        | Triennial   | A-5 (f)            |
| WL599          | SS023          | Lower           | Body        | Annual      | C-5 (h)            |
| WL607          | SS017          | Upper           | Source      | Annual      | B-5 (f)            |
| WL608          | SS017          | Lower           | Source      | Annual      | B-5 (f)            |
| WL611          | SS022          | Upper           | Source      | Annual      | B-4 (b)            |
| WL612          | SS022          | Lower           | Source      | Annual      | B-4 (b)            |
| WL617          | SS022          | Lower           | Source      | Annual      | B-4 (b)            |

Table 2a Optimized Monitoring Wells for GWMU 1 (Continued)

| Well ID        | Site           | Screen Interval | Designation | Frequency   | Basewide Grid |
|----------------|----------------|-----------------|-------------|-------------|---------------|
| WL618          | SS022          | Upper           | Source      | Annual      | B-4 (b)       |
| WL619          | SS022          | Upper           | Source      | Annual      | B-4 (b)       |
| WL629          | SS023          | Upper           | Body        | Triennial   | B-5 (f)       |
| WL630          | SS023          | Lower           | Body        | Triennial   | B-5 (f)       |
| WL678          | SS018          | Lower           | Body        | Triennial   | A-5 (g)       |
| WL679          | SS018          | Upper           | Body        | Triennial   | A-5 (g)       |
| WL680          | SS018          | Lower           | Body        | Annual      | A-5 (g)       |
| WL681          | SS018          | Upper           | Body        | Annual      | A-5 (g)       |
| WL682          | SS018          | Lower           | Sentinel    | Triennial   | A-5 (h)       |
| WL683          | SS018          | Upper           | Sentinel    | Triennial   | A-5 (h)       |
| WL704          | SS023          | Upper           | Body        | Triennial   | C-6 (i)       |
| WL705          | SS023          | Lower           | Body        | Annual      | C-6 (i)       |
| WL725          | SS023          | Upper           | Body        | Annual      | C-5 (f)       |
| WL726          | SS023          | Lower           | Body        | Annual      | C-5 (f)       |
| WL759          | SS018          | Upper           | Source      | Annual      | A-5 (e)       |
| WL760          | SS018          | Lower           | Source      | Annual      | A-5 (e)       |
| WL778          | SS018          | Upper           | Source      | Annual      | A-5 (e)       |
| WL779          | SS018          | Lower           | Source      | Annual      | A-5 (e)       |
| WL782          | SS017          | LIZ             | Body        | Annual      | B-5 (g)       |
| WL785          | SS018          | UIZ             | Body        | Annual      | A-5 (g)       |
| WL786          | SS017          | UIZ             | Body        | Annual      | B-6 (j)       |
| WL787          | SS017          | UIZ             | POC         | Semi-annual | C-7           |
| WL789          | SS017          | UIZ             | Body        | Annual      | B-5 (g)       |
| WL790          | SS017          | UIZ             | Body        | Annual      | B-5 (f)       |
| WL791          | SS018          | UIZ             | Source      | Annual      | A-5 (e)       |
| WL792          | SS017          | UIZ             | Body        | Triennial   | B-5 (f)       |
| WL795          | SS017          | UIZ             | Body        | Annual      | B-5 (g)       |
| WL797          | SS018          | UIZ             | Body        | Annual      | A-5 (g)       |
| WL801          | SS017          | UIZ             | Body        | Annual      | B-5 (h)       |
| WL802          | SS017          | LIZ             | Body        | Annual      | B-6 (i)       |
| WL803          | SS017          | UIZ             | Body        | Annual      | B-6 (i)       |
| WL805          | SS017          | UIZ             | Body        | Annual      | B-6 (j)       |
| WL818          | SS017          | UIZ             | POC         | Semi-annual | C-6 (1)       |
| WL819          | SS017<br>SS017 | UIZ             | POC         | Semi-annual | C-6 (1)       |
| WL820          | SS017          | UIZ             | POC         | Semi-annual | C-6 (1)       |
| WL845          | SS017          | UIZ             | Sentinel    | Annual      | B-5 (h)       |
| WL846          | SS017          | Lower           | Sentinel    | Annual      | B-5 (h)       |
| WL847          | SS017<br>SS017 | Upper           | Sentinel    | Annual      | B-5 (h)       |
| WL848          | SS017<br>SS017 | UIZ             | Sentinel    | Annual      | B-6 (j)       |
| WL849          | SS017<br>SS017 | UIZ             | Sentinel    | Triennial   | B-6 (k)       |
| WL850          | SS017<br>SS017 | Lower           | Sentinel    | Triennial   | B-6 (k)       |
| WL850<br>WL851 | SS017<br>SS017 | Upper           | Sentinel    | Triennial   | B-6 (k)       |
| WL851<br>WL852 | SS017<br>SS017 | UIZ             | POC         | Semi-annual | C-6 (l)       |
| WL852<br>WL853 | SS017<br>SS017 | Lower           | POC         | Semi-annual | C-6 (l)       |
| WL853<br>WL854 | SS017          | UIZ             | POC         | Semi-annual | C-6 (l)       |

Table 2aOptimized Monitoring Wells for GWMU 1 (Continued)

| Well ID | Site  | Screen Interval | Designation | Frequency   | <b>Basewide Grid</b> |
|---------|-------|-----------------|-------------|-------------|----------------------|
| WL855   | SS017 | Lower           | POC         | Semi-annual | C-6 (l)              |
| WL856   | SS017 | Lower           | POC         | Semi-annual | C-6 (l)              |
| WL857   | SS017 | Upper           | POC         | Semi-annual | C-6 (l)              |
| WL858   | SS017 | Lower           | POC         | Semi-annual | C-6 (l)              |
| WL859   | SS023 | UIZ             | Sentinel    | Triennial   | C-6 (i)              |
| WL860   | SS023 | UIZ             | Body        | Annual      | C-5 (f)              |

Table 2b Optimized Surface Water Locations for GWMU 1

| Well ID | Site  | Sampling Interval | Designation | Frequency   | <b>Basewide Grid</b> |
|---------|-------|-------------------|-------------|-------------|----------------------|
| RV064   | SS017 | Surface Water     | POC         | Semi-annual | C-6 (m)              |
| RV065   | SS017 | Surface Water     | POC         | Semi-annual | C-7                  |

Table 3 Optimized Monitoring Wells for GWMU 2

| Well ID | Site      | Screen Interval | Designation | Frequency | Basewide Grid |
|---------|-----------|-----------------|-------------|-----------|---------------|
| WL234   | FT005     | Upper           | Body        | Triennial | C-2           |
| WL240   | AOC 2 C-5 | Upper           | Source      | Annual    | B-3           |
| WL241   | AOC 2 C-5 | Lower           | Source      | Annual    | B-3           |
| WL581   | AOC 2 C-5 | Upper           | Body        | Triennial | B-3           |
| WL582   | AOC 2 C-5 | Lower           | Body        | Triennial | B-3           |
| WL755   | AOC 2 C-5 | Lower           | Body        | Annual    | B-3           |
| WL757   | AOC 2 C-5 | Lower           | Body        | Triennial | B-3           |
| WL763   | FT005     | Lower           | Body        | Triennial | B-2           |
| WL766   | FT005     | Lower           | Body        | Triennial | C-2           |

Table 4 Optimized Monitoring Wells for GWMU 3

| Well ID | Site  | Screen Interval | Designation | Frequency | <b>Basewide Grid</b> |
|---------|-------|-----------------|-------------|-----------|----------------------|
| WL708   | SS024 | Upper           | Source      | Annual    | D-4                  |
| WL709   | SS024 | Lower           | Source      | Annual    | D-4                  |
| WL720   | SS024 | Upper           | Source      | Triennial | D-4                  |
| WL721   | SS024 | Lower           | Source      | Triennial | D-4                  |
| WL729   | SS024 | Upper           | Body        | Annual    | D-4                  |
| WL730   | SS024 | Lower           | Body        | Annual    | D-4                  |
| WL751   | SS024 | Upper           | Sentinel    | Triennial | D-4                  |
| WL752   | SS024 | Lower           | Sentinel    | Triennial | D-4                  |
| WL753   | SS024 | Upper           | Sentinel    | Annual    | D-4                  |
| WL754   | SS024 | Lower           | Sentinel    | Annual    | D-4                  |

Table 5a Optimized Monitoring Wells for GWMU 4

| Well ID | Site  | Screen Interval | Designation | Frequency   | Basewide Grid |
|---------|-------|-----------------|-------------|-------------|---------------|
| OU-1-01 | LF004 | Upper           | Source      | Triennial   | E-2           |
| OU-1-06 | LF004 | Lower           | Body        | Annual      | E-2           |
| WL015   | FT003 | Upper           | Source      | Annual      | D-1           |
| WL021   | LF004 | Upper           | Body        | Triennial   | E-1           |
| WL060   | LF004 | Upper           | POC         | Semi-annual | F-2           |
| WL061   | LF004 | Lower           | POC         | Semi-annual | F-3           |
| WL062   | LF004 | Upper           | POC         | Semi-annual | F-3           |
| WL068   | FT003 | Upper           | Body        | Triennial   | D-2           |
| WL110   | FT003 | Lower           | Source      | Annual      | D-1           |
| WL123   | FT003 | Lower           | Body        | Triennial   | D-2           |
| WL249   | LF004 | Lower           | Source      | Annual      | E-2           |
| WL250   | LF004 | Upper           | Source      | Annual      | E-2           |
| WL253   | LF014 | Upper           | Body        | Annual      | E-2           |
| WL254   | LF014 | Lower           | Body        | Annual      | E-2           |
| WL272   | LF004 | Lower           | Body        | Triennial   | E-2           |
| WL276   | LF004 | Upper           | Sentinel    | Triennial   | F-2           |
| WL279   | LF004 | Lower           | Sentinel    | Triennial   | F-3           |
| WL280   | LF004 | Upper           | Sentinel    | Triennial   | F-3           |
| WL359   | LF014 | Upper           | Body        | Annual      | E-2           |
| WL453   | LF004 | Upper           | Body        | Annual      | E-2           |
| WL454   | LF004 | Lower           | Body        | Triennial   | E-2           |
| WL455   | LF004 | Upper           | Body        | Triennial   | E-2           |
| WL458   | LF004 | Lower           | POC         | Semi-annual | F-2           |
| WL459   | LF004 | Upper           | POC         | Semi-annual | F-2           |
| WL527   | LF004 | Upper           | Body        | Triennial   | E-2           |
| WL528   | LF004 | Lower           | Body        | Triennial   | E-2           |
| WL566   | LF004 | Lower           | Source      | Annual      | E-2           |
| WL590   | LF004 | Upper           | Body        | Triennial   | E-2           |
| WL591   | LF004 | Lower           | Body        | Triennial   | E-2           |
| WL812   | LF004 | UIZ             | Body        | Annual      | E-2           |
| WL814   | LF004 | UIZ             | POC         | Semi-annual | F-3           |
| WL816   | LF004 | UIZ             | POC         | Semi-annual | F-3           |

Table 5b Optimized Monitoring Wells for GWMU 4

| Well ID | Site  | Sampling Interval | npling Interval Designation |             | Basewide Grid |  |
|---------|-------|-------------------|-----------------------------|-------------|---------------|--|
| RV015   | LF004 | Surface Water     | POC                         | Semi-annual | F-3           |  |

| Current Permit<br>Well List<br>(Sampling frequency:<br>It green is Semiannual,<br>dark green is Annual,<br>It blue is Triennial) | Proposed Modification<br>(colored cell reflects change:<br>red is Remove,<br>It blue is Triennial,<br>dark green is Annual) | Location Type<br>or<br>Groundwater<br>Zone | Site                   | GWMU   | Designation | Map<br>Grid<br>Location | Rationale   |
|--|---|--|------------------------|--------|-------------|-------------------------|---|
| RV015  | No Change - Semiannual  | Surface Water                              | LF004                  | GWMU 4 | POC         | F-3                     | No change in sampling frequency   |
| RV064  | No Change - Semiannual  | Surface Water                              | SS017                  | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency   |
| RV065  | No Change - Semiannual  | Surface Water                              | SS017                  | GWMU 1 | POC         | C-7 (n)                 | No change in sampling frequency   |
| 000I17-MW3   | No Change - Annual  | UIZ  | SS017                  | GWMU 1 | Body        | B-5 (g)                 | Robust historical data set; limited data variability over time                                |
| MW3D   | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | C-6 (i)                 | Robust historical data set; limited data variability over time                                |
| MW3S   | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | C-6 (i)                 | Robust historical data set; limited data variability over time                                |
| OU-1-01  | CHANGE to Triennial   | Upper                                      | LF004                  | GWMU 4 | Source      | E-2                     | Robust historical data set; limited data variability over time                                |
| OU-1-06  | No Change - Annual  | Lower                                      | LF004                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time                                |
| WL015  | No Change - Annual  | Upper                                      | FT003                  | GWMU 4 | Source      | D-1                     | Robust historical data set; limited data variability over time                                |
| WL021  | No Change - Triennial   | Upper                                      | LF004                  | GWMU 4 | Body        | E-1                     | Robust historical data set; limited data variability over time                                |
| WL060  | No Change - Semiannual  | Upper                                      | LF004                  | GWMU 4 | POC         | F-2                     | No change in sampling frequency   |
| WL061  | No Change - Semiannual  | Lower                                      | LF004                  | GWMU 4 | POC         | F-3                     | No change in sampling frequency   |
| WL062  | No Change - Semiannual  | Upper                                      | LF004                  | GWMU 4 | POC         | F-3                     | No change in sampling frequency   |
| WL066  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | C-6 (i)                 | Robust historical data set; limited data variability over time                                |
| WL068  | CHANGE to Triennial   | Upper                                      | FT003                  | GWMU 4 | Body        | D-2                     | Robust historical data set; limited data variability over time                                |
| WL072  | CHANGE to Triennial   | Lower                                      | SS018                  | GWMU 1 | Body        | A-5 (g)                 | Limited data variability over time, NDs or low TCE/daughter                                   |
| WL073  | CHANGE to Triennial   | Upper                                      | SS018                  | GWMU 1 | Body        | A-5 (g)                 | Limited data variability over time, NDs or low TCE/daughter                                   |
| WL078  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-5 (g)                 | Robust historical data set; limited data variability over time                                |
| WL079  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-5 (g)                 | Robust historical data set; limited data variability over time                                |
| WL080  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-5 (g)                 | Robust historical data set; limited data variability over time                                |
| WL081  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-5 (g)                 | Robust historical data set; limited data variability over time                                |
| WL082  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-5 (h)                 | Robust historical data set; limited data variability over time                                |
| WL083  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-5 (h)                 | Robust historical data set; limited data variability over time                                |
| WL086  | No Change - Triennial   | Lower                                      | SS017                  | GWMU 1 | Body        | B-6 (i)                 | Robust historical data set; limited data variability over time                                |
| WL087  | No Change - Triennial   | Upper                                      | SS017                  | GWMU 1 | Body        | B-6 (i)                 | Robust historical data set; limited data variability over time                                |
| WL090  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-6 (i)                 | Robust historical data set; limited data variability over time                                |
| WL091  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-6 (i)                 | Robust historical data set; limited data variability over time                                |
| WL094  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-6 (j)                 | Robust historical data set; limited data variability over time                                |
| WL095  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-6 (j)                 | Robust historical data set; limited data variability over time                                |
| WL110  | No Change - Annual  | Lower                                      | FT003                  | GWMU 4 | Source      | D-1                     | Robust historical data set; limited data variability over time                                |
| WL123  | CHANGE to Triennial   | Lower                                      | FT003                  | GWMU 4 | Body        | D-2                     | Robust historical data set; limited data variability over time                                |
| WL138  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time                                |
| WL139  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time                                |
| WL158  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-6 (j)                 | Robust historical data set; limited data variability over time                                |
| WL159  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-6 (j)                 | Robust historical data set; limited data variability over time                                |
| WL178  | CHANGE to Triennial   | Upper                                      | <del>SS010</del> SS022 | GWMU 1 | Body        | B-4 (a)                 | Transferred to downgradient Site SS022, redundant, COPCs <mcls< td=""></mcls<>                |
| WL187  | No Change - Annual  | Upper                                      | SS016 SS018            | GWMU 1 | Source      | A-5 (e)                 | Transferred to downgradient Site SS018, robust historical data set; limited data variability  |
| WL189  | No Change - Annual  | Lower                                      | SS016 SS018            | GWMU 1 | Source      | A-5 (e)                 | Transferred to downgradient Site SS018, robust historical data set; limited data variability  |
| WL190  | No Change - Annual  | Upper                                      | SS016 SS018            | GWMU 1 | Sentinel    | A-5 (e)                 | Transferred to downgradient Site SS018, robust historical data set; limited data variability  |
| WL191  | CHANGE to Triennial   | Lower                                      | SS016 SS018            | GWMU 1 | Body        | A-5 (e)                 | Transferred to downgradient Site SS018, redundant; limited data variability                   |
| WL193  | CHANGE to Triennial   | Upper                                      | SS016 SS018            | GWMU 1 | Body        | A-5 (e)                 | Transferred to downgradient Site SS018, redundant, TCEs <mcls 2019<="" since="" td=""></mcls> |
| WL234  | No Change - Triennial   | Upper                                      | FT005                  | GWMU 2 | Body        | C-2                     | Robust historical data set; limited data variability over time                                |
| WL240  | No Change - Annual  | Upper                                      | AOC 2 C-5              | GWMU 2 | Source      | B-3                     | Robust historical data set; limited data variability over time                                |

| Current Permit<br>Well List<br>(Sampling frequency:<br>It green is Semiannual,<br>dark green is Annual,<br>It blue is Triennial) | Proposed Modification<br>(colored cell reflects change:<br>red is Remove,<br>It blue is Triennial,<br>dark green is Annual) | Location Type<br>or<br>Groundwater<br>Zone | Site                   | GWMU   | Designation | Map<br>Grid<br>Location | Rationale   |
|--|---|--|------------------------|--------|-------------|-------------------------|---|
| WL241  | No Change - Annual  | Lower                                      | AOC 2 C-5              | GWMU 2 | Source      | B-3                     | Robust historical data set; limited data variability over time  |
| WL242  | <b>REMOVE from Permit</b>   | Upper                                      | AOC 2 C-5              | GWMU 2 | Body        | C-3                     | Robust historical data set; limited data variability over time  |
| WL249  | No Change - Annual  | Lower                                      | LF004                  | GWMU 4 | Source      | E-2                     | Robust historical data set; limited data variability over time  |
| WL250  | No Change - Annual  | Upper                                      | LF004                  | GWMU 4 | Source      | E-2                     | Robust historical data set; limited data variability over time  |
| WL253  | No Change - Annual  | Upper                                      | LF014                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time  |
| WL254  | No Change - Annual  | Lower                                      | LF014                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time  |
| WL272  | CHANGE to Triennial   | Lower                                      | LF004                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time  |
| WL276  | No Change - Triennial   | Upper                                      | LF004                  | GWMU 4 | Sentinel    | F-2                     | Robust historical data set; limited data variability over time  |
| WL279  | No Change - Triennial   | Lower                                      | LF004                  | GWMU 4 | Sentinel    | F-3                     | Robust historical data set; limited data variability over time  |
| WL280  | No Change - Triennial   | Upper                                      | LF004                  | GWMU 4 | Sentinel    | F-3                     | Robust historical data set; limited data variability over time  |
| WL289  | CHANGE to Triennial   | Upper                                      | SS022                  | GWMU 1 | Body        | B-4 (b)                 | Robust historical data set; limited data variability over time, decreasing trends and <mcls< td=""></mcls<>   |
| WL303  | No Change - Annual  | Lower                                      | SS022                  | GWMU 1 | Body        | B-4 (b)                 | Robust historical data set; limited data variability over time  |
| WL318  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-5 (g)                 | Robust historical data set; limited data variability over time  |
| WL319  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-5 (g)                 | Robust historical data set; limited data variability over time  |
| WL337  | No Change - Annual  | Upper                                      | SS023                  | GWMU 1 | Source      | B-5 (e)                 | Robust historical data set; limited data variability over time  |
| WL349  | <b>REMOVE from Permit</b>   | Upper                                      | <del>SS010</del> SS022 | GWMU 1 | Source      | B-4 (a)                 | Transferred to downgradient Site SS022, redundant, all COPCs ND except BZ <mcl 2009<="" since="" td=""></mcl> |
| WL359  | No Change - Annual  | Upper                                      | LF014                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time  |
| WL377  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Source      | B-5 (e)                 | Robust historical data set; limited data variability over time  |
| WL378  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Source      | B-5 (e)                 | Robust historical data set; limited data variability over time  |
| WL383  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time  |
| WL384  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time  |
| WL386  | <b>REMOVE from Permit</b>   | Lower                                      | SS022                  | GWMU 1 | Body        | B-5 (e)                 | Robust historical data set; limited data variability over time, interior to plume, REDLINE well               |
| WL387  | No Change - Triennial   | Lower                                      | SS017                  | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time  |
| WL388  | No Change - Triennial   | Upper                                      | SS017                  | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time  |
| WL400  | CHANGE to Triennial   | Upper                                      | <del>SS010</del> SS022 | GWMU 1 | Source      | B-4 (a)                 | Transferred to downgradient Site SS022, redundant, nearby WL583 will remain annual                            |
| WL413  | No Change - Triennial   | Upper                                      | SS022                  | GWMU 1 | Body        | B-4 (d)                 | Robust historical data set; limited data variability over time  |
| WL424  | No Change - Annual  | Upper                                      | SS022                  | GWMU 1 | Body        | B-4 (b)                 | Robust historical data set; limited data variability over time  |
| WL430  | <b>REMOVE from Permit</b>   | Upper                                      | SS022                  | GWMU 1 | Body        | B-4 (c)                 | < MCLs since the RFI, REDLINE, paired with WL559  |
| WL453  | No Change - Annual  | Upper                                      | LF004                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time  |
| WL454  | CHANGE to Triennial   | Lower                                      | LF004                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time  |
| WL455  | CHANGE to Triennial   | Upper                                      | LF004                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time  |
| WL458  | No Change - Semiannual  | Lower                                      | LF004                  | GWMU 4 | POC         | F-2                     | No change in sampling frequency   |
| WL459  | No Change - Semiannual  | Upper                                      | LF004                  | GWMU 4 | POC         | F-2                     | No change in sampling frequency   |
| WL460  | CHANGE to Triennial   | Lower                                      | SS022                  | GWMU 1 | Source      | B-4 (b)                 | Limited data variability over time, TCE NDs or <mcls 2019<="" since="" td=""></mcls>                          |
| WL461  | No Change - Annual  | Lower                                      | SS022                  | GWMU 1 | Body        | B-4 (b)                 | Robust historical data set; limited data variability over time  |
| WL466  | No Change - Triennial   | Lower                                      | SS022                  | GWMU 1 | Body        | B-4 (d)                 | Robust historical data set; limited data variability over time  |
| WL467  | No Change - Triennial   | Upper                                      | SS022                  | GWMU 1 | Body        | B-4 (d)                 | Robust historical data set; limited data variability over time  |
| WL468  | No Change - Triennial   | Lower                                      | SS022                  | GWMU 1 | Body        | B-4 (d)                 | Robust historical data set; limited data variability over time  |
| WL469  | REMOVE from Permit  | Upper                                      | SS022                  | GWMU 1 | Body        | B-5 (e)                 | Robust historical data set; limited data variability over time, interior to plume, REDLINE well               |
| WL478  | No Change - Annual  | Lower                                      | SS023                  | GWMU 1 | Source      | B-5 (e)                 | Robust historical data set; limited data variability over time  |
| WL481  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | B-6 (j)                 | Robust historical data set; limited data variability over time  |
| WL482  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-6 (j)                 | Robust historical data set; limited data variability over time  |
| WL485  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-6 (i)                 | Robust historical data set; limited data variability over time  |

| Current Permit<br>Well List<br>(Sampling frequency:<br>It green is Semiannual,<br>dark green is Annual,<br>It blue is Triennial) | Proposed Modification<br>(colored cell reflects change:<br>red is Remove,<br>It blue is Triennial,<br>dark green is Annual) | Location Type<br>or<br>Groundwater<br>Zone | Site                   | GWMU   | Designation | Map<br>Grid<br>Location | Rationale  |
|--|---|--|------------------------|--------|-------------|-------------------------|--|
| WL486  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | C-6 (j)                 | Robust historical data set; limited data variability over time   |
| WL487  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Body        | C-6 (j)                 | Robust historical data set; limited data variability over time   |
| WL488  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Sentinel    | C-6 (k)                 | Robust historical data set; limited data variability over time   |
| WL489  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Sentinel    | C-6 (k)                 | Robust historical data set; limited data variability over time   |
| WL490  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Sentinel    | C-6 (k)                 | Robust historical data set; limited data variability over time   |
| WL491  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Sentinel    | C-6 (k)                 | Robust historical data set; limited data variability over time   |
| WL492  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Sentinel    | B-6 (j)                 | Robust historical data set; limited data variability over time   |
| WL493  | No Change - Annual  | Upper                                      | SS017                  | GWMU 1 | Sentinel    | B-6 (j)                 | Robust historical data set; limited data variability over time   |
| WL494  | No Change - Semiannual  | Lower                                      | SS017                  | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL495  | No Change - Semiannual  | Lower                                      | SS017                  | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL498  | CHANGE to Triennial   | Upper                                      | <del>SS016</del> SS018 | GWMU 1 | Sentinel    | A-5 (e)                 | Transferred to downgradient Site SS018, redundant; limited data variability over time                  |
| WL499  | No Change - Annual  | Lower                                      | <del>SS016</del> SS018 | GWMU 1 | Sentinel    | A-5 (e)                 | Transferred to downgradient Site SS018, robust historical data set; limited data variability over time |
| WL503  | No Change - Triennial   | Lower                                      | SS022                  | GWMU 1 | Body        | A-4 (d)                 | Robust historical data set; limited data variability over time   |
| WL504  | <b>REMOVE from Permit</b>   | Upper                                      | SS022                  | GWMU 1 | Body        | A-4 (d)                 | < MCLs since the RFI   |
| WL507  | No Change - Annual  | Upper                                      | SS022                  | GWMU 1 | Body        | B-4 (b)                 | Robust historical data set; limited data variability over time   |
| WL511  | No Change - Annual  | Upper                                      | SS022                  | GWMU 1 | Source      | B-4 (b)                 | Robust historical data set; limited data variability over time   |
| WL512  | No Change - Annual  | Lower                                      | SS022                  | GWMU 1 | Source      | B-4 (b)                 | Robust historical data set; limited data variability over time   |
| WL515  | No Change - Annual  | Upper                                      | SS023                  | GWMU 1 | Source      | B-5 (e)                 | Robust historical data set; limited data variability over time   |
| WL516  | No Change - Annual  | Lower                                      | SS023                  | GWMU 1 | Source      | B-5 (e)                 | Robust historical data set; limited data variability over time   |
| WL519  | No Change - Annual  | Lower                                      | SS017                  | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time   |
| WL527  | No Change - Triennial   | Upper                                      | LF004                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time   |
| WL528  | No Change - Triennial   | Lower                                      | LF004                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time   |
| WL533  | CHANGE to Triennial   | Upper                                      | SS018                  | GWMU 1 | Sentinel    | A-5 (h)                 | Limited data variability over time, ND or <mcl rfi<="" since="" td=""></mcl>                           |
| WL534  | CHANGE to Triennial   | Lower                                      | SS018                  | GWMU 1 | Sentinel    | A-5 (h)                 | Limited data variability over time, ND or <mcl rfi<="" since="" td=""></mcl>                           |
| WL535  | No Change - Triennial   | Upper                                      | SS018                  | GWMU 1 | Body        | A-5 (g)                 | Robust historical data set; limited data variability over time   |
| WL536  | No Change - Triennial   | Lower                                      | SS018                  | GWMU 1 | Body        | A-5 (g)                 | Robust historical data set; limited data variability over time   |
| WL539  | <b>REMOVE from Permit</b>   | Lower                                      | AOC 2 C-5              | GWMU 2 | Body        | C-3                     | Robust historical data set; limited data variability over time   |
| WL543  | CHANGE to Triennial   | Upper                                      | SS017                  | GWMU 1 | Body        | B-5 (g)                 | Limited data variability over time, redundant  |
| WL544  | CHANGE to Triennial   | Lower                                      | SS017                  | GWMU 1 | Body        | B-5 (g)                 | Limited data variability over time, redundant  |
| WL552  | <b>REMOVE from Permit</b>   | Upper                                      | SS022                  | GWMU 1 | Body        | A-4 (c)                 | Limited data variability over time, <mcls 2011<="" since="" td=""></mcls>                              |
| WL553  | <b>REMOVE from Permit</b>   | Lower                                      | SS022                  | GWMU 1 | Body        | A-4 (c)                 | Limited data variability over time, <mcls 2011<="" since="" td=""></mcls>                              |
| WL555  | No Change - Annual  | Lower                                      | SS022                  | GWMU 1 | Body        | B-4 (b)                 | Robust historical data set; limited data variability over time   |
| WL556  | CHANGE to Triennial   | Lower                                      | SS022                  | GWMU 1 | Body        | B-4 (c)                 | Robust historical data set; limited data variability over time, interior to plume                      |
| WL559  | No Change - Triennial   | Lower                                      | SS022                  | GWMU 1 | Body        | B-4 (c)                 | Robust historical data set; limited data variability over time   |
| WL566  | No Change - Annual  | Lower                                      | LF004                  | GWMU 4 | Source      | E-2                     | Robust historical data set; limited data variability over time   |
| WL571  | No Change - Annual  | Upper                                      | SS018                  | GWMU 1 | Body        | A-5 (f)                 | Robust historical data set; limited data variability over time   |
| WL572  | No Change - Annual  | Lower                                      | SS018                  | GWMU 1 | Body        | A-5 (f)                 | Robust historical data set; limited data variability over time   |
| WL581  | No Change - Triennial   | Upper                                      | AOC 2 C-5              | GWMU 2 | Body        | B-3                     | Robust historical data set; limited data variability over time   |
| WL582  | No Change - Triennial   | Lower                                      | AOC 2 C-5              | GWMU 2 | Body        | B-3                     | Robust historical data set; limited data variability over time   |
| WL583  | No Change - Annual  | Upper                                      | <del>SS010</del> SS022 | GWMU 1 | Source      | B-4 (a)                 | Transferred to downgradient Site SS022, robust historical data set                                     |
| WL590  | No Change - Triennial   | Upper                                      | LF004                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time   |
| WL591  | No Change - Triennial   | Lower                                      | LF004                  | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time   |
| WL595  | No Change - Triennial   | Upper                                      | SS018                  | GWMU 1 | Body        | A-5 (f)                 | Robust historical data set; limited data variability over time   |

| Current Permit<br>Well List<br>(Sampling frequency:<br>It green is Semiannual,<br>dark green is Annual,<br>It blue is Triennial) | Proposed Modification<br>(colored cell reflects change:<br>red is Remove,<br>It blue is Triennial,<br>dark green is Annual) | Location Type<br>or<br>Groundwater<br>Zone | Site      | GWMU   | Designation | Map<br>Grid<br>Location | Rationale  |
|--|---|--|-----------|--------|-------------|-------------------------|--|
| WL596  | No Change - Triennial   | Lower                                      | SS018     | GWMU 1 | Body        | A-5 (f)                 | Robust historical data set; limited data variability over time                                     |
| WL599  | No Change - Annual  | Lower                                      | SS023     | GWMU 1 | Body        | C-5 (h)                 | Robust historical data set; limited data variability over time                                     |
| WL607  | No Change - Annual  | Upper                                      | SS017     | GWMU 1 | Source      | B-5 (f)                 | Robust historical data set; limited data variability over time                                     |
| WL608  | No Change - Annual  | Lower                                      | SS017     | GWMU 1 | Source      | B-5 (f)                 | Robust historical data set; limited data variability over time                                     |
| WL611  | No Change - Annual  | Upper                                      | SS022     | GWMU 1 | Source      | B-4 (b)                 | Robust historical data set; limited data variability over time                                     |
| WL612  | No Change - Annual  | Lower                                      | SS022     | GWMU 1 | Source      | B-4 (b)                 | Robust historical data set; limited data variability over time                                     |
| WL617  | No Change - Annual  | Lower                                      | SS022     | GWMU 1 | Source      | B-4 (b)                 | Robust historical data set; limited data variability over time                                     |
| WL618  | No Change - Annual  | Upper                                      | SS022     | GWMU 1 | Source      | B-4 (b)                 | Robust historical data set; limited data variability over time                                     |
| WL619  | No Change - Annual  | Upper                                      | SS022     | GWMU 1 | Source      | B-4 (b)                 | Robust historical data set; limited data variability over time                                     |
| WL629  | No Change - Triennial   | Upper                                      | SS023     | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time                                     |
| WL630  | No Change - Triennial   | Lower                                      | SS023     | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time                                     |
| WL676  | REMOVE from Permit  | Lower                                      | SS018     | GWMU 1 | Sentinel    | A-5 (h)                 | Limited data variability over time, redundant, ND since 2011 or <mcl rfi<="" since="" td=""></mcl> |
| WL677  | REMOVE from Permit  | Upper                                      | SS018     | GWMU 1 | Sentinel    | A-5 (h)                 | Limited data variability over time, redundant, ND since 2011 or <mcl rfi<="" since="" td=""></mcl> |
| WL678  | CHANGE to Triennial   | Lower                                      | SS018     | GWMU 1 | Body        | A-5 (g)                 | Limited data variability over time, redundant, <mcl 2019<="" since="" td=""></mcl>                 |
| WL679  | CHANGE to Triennial   | Upper                                      | SS018     | GWMU 1 | Body        | A-5 (g)                 | Limited data variability over time, redundant, <mcl 2019<="" since="" td=""></mcl>                 |
| WL680  | No Change - Annual  | Lower                                      | SS018     | GWMU 1 | Body        | A-5 (g)                 | Robust historical data set; limited data variability over time                                     |
| WL681  | No Change - Annual  | Upper                                      | SS018     | GWMU 1 | Body        | A-5 (g)                 | Robust historical data set; limited data variability over time                                     |
| WL682  | CHANGE to Triennial   | Lower                                      | SS018     | GWMU 1 | Sentinel    | A-5 (h)                 | Limited data variability over time, redundant, ND since 2011 or <mcl rfi<="" since="" td=""></mcl> |
| WL683  | CHANGE to Triennial   | Upper                                      | SS018     | GWMU 1 | Sentinel    | A-5 (h)                 | Limited data variability over time, redundant, ND since 2011 or <mcl rfi<="" since="" td=""></mcl> |
| WL704  | CHANGE to Triennial   | Upper                                      | SS023     | GWMU 1 | Body        | C-6 (i)                 | Limited data variability over time, redundant, ND since 2013 or <mcl rfi<="" since="" td=""></mcl> |
| WL705  | No Change - Annual  | Lower                                      | SS023     | GWMU 1 | Body        | C-6 (i)                 | Robust historical data set; limited data variability over time                                     |
| WL708  | No Change - Annual  | Upper                                      | SS024     | GWMU 3 | Source      | D-4                     | Robust historical data set; limited data variability over time                                     |
| WL709  | No Change - Annual  | Lower                                      | SS024     | GWMU 3 | Source      | D-4                     | Robust historical data set; limited data variability over time                                     |
| WL720  | No Change - Triennial   | Upper                                      | SS024     | GWMU 3 | Source      | D-4                     | Robust historical data set; limited data variability over time                                     |
| WL721  | No Change - Triennial   | Lower                                      | SS024     | GWMU 3 | Source      | D-4                     | Robust historical data set; limited data variability over time                                     |
| WL725  | No Change - Annual  | Upper                                      | SS023     | GWMU 1 | Body        | C-5 (f)                 | Robust historical data set; limited data variability over time                                     |
| WL726  | No Change - Annual  | Lower                                      | SS023     | GWMU 1 | Body        | C-5 (f)                 | Robust historical data set; limited data variability over time                                     |
| WL729  | No Change - Annual  | Upper                                      | SS024     | GWMU 3 | Body        | D-4                     | Robust historical data set; limited data variability over time                                     |
| WL730  | No Change - Annual  | Lower                                      | SS024     | GWMU 3 | Body        | D-4                     | Robust historical data set; limited data variability over time                                     |
| WL751  | No Change - Triennial   | Upper                                      | SS024     | GWMU 3 | Sentinel    | D-4                     | Robust historical data set; limited data variability over time                                     |
| WL752  | No Change - Triennial   | Lower                                      | SS024     | GWMU 3 | Sentinel    | D-4                     | Robust historical data set; limited data variability over time                                     |
| WL753  | No Change - Annual  | Upper                                      | SS024     | GWMU 3 | Sentinel    | D-4                     | Robust historical data set; limited data variability over time                                     |
| WL754  | No Change - Annual  | Lower                                      | SS024     | GWMU 3 | Sentinel    | D-4                     | Robust historical data set; limited data variability over time                                     |
| WL755  | No Change - Annual  | Lower                                      | AOC 2 C-5 | GWMU 2 | Body        | B-3                     | Robust historical data set; limited data variability over time                                     |
| WL757  | No Change - Triennial   | Lower                                      | AOC 2 C-5 | GWMU 2 | Body        | B-3                     | Robust historical data set; limited data variability over time                                     |
| WL759  | No Change - Annual  | Upper                                      | SS018     | GWMU 1 | Source      | A-5 (e)                 | Robust historical data set; limited data variability over time                                     |
| WL760  | No Change - Annual  | Lower                                      | SS018     | GWMU 1 | Source      | A-5 (e)                 | Robust historical data set; limited data variability over time                                     |
| WL763  | No Change - Triennial   | Lower                                      | FT005     | GWMU 2 | Body        | B-2                     | Robust historical data set; limited data variability over time                                     |
| WL766  | No Change - Triennial   | Lower                                      | FT005     | GWMU 2 | Body        | C-2                     | Robust historical data set; limited data variability over time                                     |
| WL778  | No Change - Annual  | Upper                                      | SS018     | GWMU 1 | Source      | A-5 (e)                 | Robust historical data set; limited data variability over time                                     |
| WL779  | No Change - Annual  | Lower                                      | SS018     | GWMU 1 | Source      | A-5 (e)                 | Robust historical data set; limited data variability over time                                     |
| WL782  | No Change - Annual  | LIZ  | SS017     | GWMU 1 | Body        | B-5 (g)                 | Robust historical data set; limited data variability over time                                     |
| WL785  | No Change - Annual  | UIZ  | SS018     | GWMU 1 | Body        | A-5 (g)                 | Robust historical data set; limited data variability over time                                     |

| Current Permit<br>Well List<br>(Sampling frequency:<br>It green is Semiannual,<br>dark green is Annual,<br>It blue is Triennial) | Proposed Modification<br>(colored cell reflects change:<br>red is Remove,<br>It blue is Triennial,<br>dark green is Annual) | Location Type<br>or<br>Groundwater<br>Zone | Site  | GWMU   | Designation | Map<br>Grid<br>Location | Rationale  |
|--|---|--|-------|--------|-------------|-------------------------|--|
| WL786  | No Change - Annual  | UIZ  | SS017 | GWMU 1 | Body        | B-6 (i)                 | Robust historical data set; limited data variability over time   |
| WL787  | No Change - Semiannual  | UIZ  | SS017 | GWMU 1 | POC         | C-7 (m)                 | No change in sampling frequency  |
| WL789  | No Change - Annual  | UIZ  | SS017 | GWMU 1 | Body        | B-5 (g)                 | Robust historical data set; limited data variability over time   |
| WL790  | No Change - Annual  | UIZ  | SS017 | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time   |
| WL791  | No Change - Annual  | UIZ  | SS018 | GWMU 1 | Source      | B-5 (e)                 | Robust historical data set; limited data variability over time   |
| WL792  | No Change - Triennial   | UIZ  | SS017 | GWMU 1 | Body        | B-5 (f)                 | Robust historical data set; limited data variability over time   |
| WL795  | No Change - Annual  | UIZ  | SS017 | GWMU 1 | Body        | B-5 (g)                 | Robust historical data set; limited data variability over time   |
| WL797  | No Change - Annual  | UIZ  | SS018 | GWMU 1 | Body        | A-5 (g)                 | Robust historical data set; limited data variability over time   |
| WL801  | No Change - Annual  | UIZ  | SS017 | GWMU 1 | Body        | B-5 (h)                 | Robust historical data set; limited data variability over time   |
| WL802  | No Change - Annual  | LIZ  | SS017 | GWMU 1 | Body        | B-6 (i)                 | Robust historical data set; limited data variability over time   |
| WL803  | No Change - Annual  | UIZ  | SS017 | GWMU 1 | Body        | B-6 (i)                 | Robust historical data set; limited data variability over time   |
| WL805  | No Change - Annual  | UIZ  | SS017 | GWMU 1 | Body        | B-6 (j)                 | Robust historical data set; limited data variability over time   |
| WL812  | No Change - Annual  | UIZ  | LF004 | GWMU 4 | Body        | E-2                     | Robust historical data set; limited data variability over time   |
| WL814  | No Change - Semiannual  | UIZ  | LF004 | GWMU 4 | POC         | F-3                     | No change in sampling frequency  |
| WL816  | No Change - Semiannual  | UIZ  | LF004 | GWMU 4 | POC         | F-3                     | No change in sampling frequency  |
| WL818  | No Change - Semiannual  | UIZ  | SS017 | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL819  | No Change - Semiannual  | UIZ  | SS017 | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL820  | No Change - Semiannual  | UIZ  | SS017 | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL845  | No Change - Annual  | UIZ  | SS017 | GWMU 1 | Sentinel    | B-5 (h)                 | Robust historical data set; limited data variability over time   |
| WL846  | No Change - Annual  | Lower                                      | SS017 | GWMU 1 | Sentinel    | B-5 (h)                 | Robust historical data set; limited data variability over time   |
| WL847  | No Change - Annual  | Upper                                      | SS017 | GWMU 1 | Sentinel    | B-5 (h)                 | Robust historical data set; limited data variability over time   |
| WL848  | No Change - Annual  | UIZ  | SS017 | GWMU 1 | Sentinel    | B-6 (j)                 | Robust historical data set; limited data variability over time   |
| WL849  | CHANGE to Triennial   | UIZ  | SS017 | GWMU 1 | Sentinel    | B-6 (k)                 | Limited data variability, NDs or <1 ug/L TCE (J or F) in past (2009 and 2019)                                  |
| WL850  | CHANGE to Triennial   | Lower                                      | SS017 | GWMU 1 | Sentinel    | B-6 (k)                 | Limited data variability, NDs or <1ug/L CTCL (F or B) in past  |
| WL851  | CHANGE to Triennial   | Upper                                      | SS017 | GWMU 1 | Sentinel    | B-6 (k)                 | Limited data variability, NDs or <1 ug/L TCE (J) and CTCL (F or B) in past                                     |
| WL852  | No Change - Semiannual  | UIZ  | SS017 | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL853  | No Change - Semiannual  | Lower                                      | SS017 | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL854  | No Change - Semiannual  | UIZ  | SS017 | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL855  | No Change - Semiannual  | Lower                                      | SS017 | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL856  | No Change - Semiannual  | Lower                                      | SS017 | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL857  | No Change - Semiannual  | Upper                                      | SS017 | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL858  | No Change - Semiannual  | Lower                                      | SS017 | GWMU 1 | POC         | C-6 (l)                 | No change in sampling frequency  |
| WL859  | CHANGE to Triennial   | UIZ  | SS023 | GWMU 1 | Sentinel    | C-6 (i)                 | Robust historical data set; limited data variability, all NDs or <mcls installation<="" since="" td=""></mcls> |
| WL860  | No Change - Annual  | UIZ  | SS023 | GWMU 1 | Body        | C-5 (f)                 | Robust historical data set; limited data variability over time   |
| WL872*   | CHANGE to Annual  | UIZ  | SS017 | GWMU 1 | not Permit  | C-7 (n)                 | Downgradient of POC, change to Annual contingent on upgradient well <mcl< td=""></mcl<>                        |
| WL873*   | CHANGE to Annual  | Lower                                      | SS017 | GWMU 1 | not Permit  | C-7 (n)                 | Downgradient of POC, change to Annual contingent on upgradient well <mcl< td=""></mcl<>                        |

\*Locations added to monitor the toe of the plume south of POC location WL787, not currently Permit wells