MONTHLY PROGRESS REPORT #323
FOR FEBRUARY 2024

EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 and 1-2000-0014

JOINT BASE CAPE COD (JBCC)
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from 01 to 29 February 2024.

1. SUMMARY OF REMEDIATION ACTIONS

Remediation Actions (RA) Underway at Camp Edwards as of 23 February 2024:

Demolition Area 1 Comprehensive Groundwater RA

The Demolition Area 1 Comprehensive Groundwater RA consists of the removal and treatment of contaminated groundwater to control further migration of explosives compounds and perchlorate. Extraction, treatment, and recharge (ETR) systems at Frank Perkins Road, Base Boundary, and the Leading Edge include extraction wells, an ex-situ treatment process to remove explosives compounds and perchlorate from the groundwater, and injection wells to return treated water to the aquifer.

The Frank Perkins Road Treatment Facility has been optimized as part of the Environmental and System Performance Monitoring (ESPM) program at Demolition Area 1. The treatment facility continues to operate at a flow rate of 175 gallons per minute (gpm), with over 3.069 billion gallons of water treated and re-injected as of 23 February 2024. The following Frank Perkins Road Treatment Facility shutdowns occurred in February:

- 1310 on 13 February 2024 due to a power outage caused by a winter storm and was restarted at 0635 on 14 February 2024.
- 0830 on 28 February 2024 for Satuit Automation to work on program updates and was restarted at 0900 on 28 February 2024.

The Base Boundary Mobile Treatment Unit (MTU) continues to operate at a flow rate of 65 gpm. As of 23 February 2024, over 392.5 million gallons of water were treated and re-injected. The following Base Boundary MTU shutdowns occurred in February:

- 1343 on 13 February 2024 due to a VFD power fault caused by a winter storm and was restarted at 0813 on 14 February 2024.

The Leading Edge system continues to operate at a flow rate of 100 gpm. As of 23 February 2024, over 392.9 million gallons of water were treated and re-injected. The following Leading Edge system shutdowns occurred in February:

- 1354 on 13 February due to a VFD power fault caused by a winter storm and was restarted at 0750 on 14 February 2024.

The Pew Road MTU was turned off with regulatory approval on 08 March 2021 (formerly operated at a flow rate of 65 gpm). Over 672.9 million gallons of water were treated and re-injected during the RA.

J-2 Range Groundwater RA

Northern

The J-2 Range Northern Treatment facility consists of removal and treatment of contaminated groundwater to control further migration of explosives compounds and perchlorate. The Extraction, Treatment, and Re-infiltration system includes three extraction wells, an ex-situ treatment process to remove explosives compounds and perchlorate from the groundwater, and an infiltration basin to return treated water to the aquifer.

The Northern MTUs E and F continue to operate at a flow rate of 250 gpm. As of 23 February 2024, over 2.179 billion gallons of water have been treated and re-injected. No MTU E and F shutdowns occurred in February.

The Northern Treatment Building G continues to operate at a flow rate of 225 gpm. As of 23 February 2024, over 1.678 billion gallons of water have been treated and re-injected. The following MTU G shutdowns occurred in February:

- 1314 on 13 February 2024 due to a VFD power fault caused by a winter storm and was restarted at 0924 on 14 February 2024.

Eastern

The J-2 Range Eastern Treatment system consists of removal and treatment of groundwater to minimize downgradient migration of explosives compounds and perchlorate. The ETI system includes the following components: three extraction wells in an axial array, an ex-situ treatment process consisting of an ion exchange (IX) resin and granular activated carbon (GAC) media to treat perchlorate and explosives compounds, and three infiltration trenches located along the lateral boundaries of the plume where treated water enters the vadose zone and infiltrates into the aquifer. The J-2 Range Eastern system is running at a combined total flow rate of 495 gpm.

The MTUs H and I continue to operate at a flow rate of 250 gpm. As of 23 February 2024, over 1.817 billion gallons of water have been treated and re-injected. No MTU H and I shutdowns occurred in February.

MTU J continues to operate at a flow rate of 120 gpm. As of 23 February 2024, over 852.6 million gallons of water have been treated and re-injected. The following MTU J shutdowns occurred in February:

- 1614 on 16 February 2024 due to a “high floor sump alarm” caused by a hose braking on one of the GAC tanks. The hose was replaced with a new one and the system was restarted at 0730 on 20 February 2024.

MTU K continues to operate at a flow rate of 125 gpm. As of 23 February 2024, over 977.3 million gallons of water have been treated and re-injected. The following MTU K shutdowns occurred in February:

- 1355 on 13 February 2024 due to a VFD power fault caused by a winter storm and was restarted at 0849 on 14 February 2024.

<u>J-3 Range Groundwater RA</u>

The J-3 Range Groundwater RA consists of removal and treatment of contaminated groundwater to control further migration of explosives compounds and perchlorate. The ETR system includes four extraction wells, an ex-situ treatment process to remove explosives

compounds and perchlorate from the groundwater and utilizes the existing Fuel Spill-12 (FS-12) infiltration gallery to return treated water to the aquifer.

The J-3 system is currently operating at a flow rate of 255 gpm. As of 23 February 2024, over 1.798 billion gallons of water have been treated and re-injected. The following J3 system shutdowns occurred in February:

- 1422 on 13 February 2024 due to a VFD power fault caused by a winter storm and subsequently remained offline due to FS-12 being offline for PLC communication diagnostics and was restarted at 0800 on 15 February.

J-1 Range Groundwater RA

Southern

The J-1 Range Southern Groundwater RA consists of removal and treatment of contaminated groundwater to control further migration of explosives compounds. The ETR system includes two extraction wells, an ex-situ treatment process to remove explosives compounds from the groundwater, and an infiltration trench to return treated water to the aquifer.

The Southern MTU continues to operate at a flow rate of 125 gpm. As of 23 February 2024, over 783.6 million gallons of water have been treated and re-injected. The following J-1 Range Southern MTU shutdowns occurred in February:

- 1157 on 13 February 2024 due to a VFD power fault caused from a winter storm and was restarted at 0835 on 14 February 2024.

Northern

The J-1 Range Northern Groundwater RA consists of removal and treatment of contaminated groundwater to control further migration of explosives compounds and perchlorate. The ETR system includes two extraction wells, an ex-situ treatment process to remove explosives compounds and perchlorate from the groundwater, and an infiltration trench to return treated water to the aquifer.

The Northern MTU continues to operate at a total system flow rate of 250 gpm. As of 23 February 2024, over 1.325 billion gallons of water have been treated and re-injected. No J-1 Range Northern MTU shutdowns occurred in February.

Central Impact Area RA

The Central Impact Area (CIA) Groundwater treatment system consists of removal and treatment of groundwater to minimize downgradient migration of explosives compounds and perchlorate. The ETR system includes the following components: three extraction wells, an ex-situ treatment process consisting of an ion exchange resin and granular activated carbon media to treat explosives compounds, and three infiltration galleries to return treated water to the aquifer. The CIA systems 1, 2, and 3 continue to run at a combined total flow rate of 750 gpm.

As of 23 February 2024, over 3.494 billion gallons of water have been treated and re-injected. The following CIA system shutdowns occurred in February:

- 1347 on 14 February 2024 at CIA-3 due to a power outage caused from a winter storm and was automatically restarted at an unknown time, presumably after Eversource restored power.
- 0922 on 15 February 2024 at CIA-3 due to a leaking hose from GAC vessel #3 to the effluent line. The hose was replaced, and the system was restarted at 1000 on 15 February 2024.
- 0930 on 21 February 2024 at CIA-2 to drain GAC vessels #3 and #6 for a carbon changeout on 22 February 2024 and was restarted at 0705 on 23 February 2024.

2. SUMMARY OF ACTIONS TAKEN

Operable Unit (OU) Activity as of 23 February 2024:

CIA

- Groundwater sampling within the CIA SPM Program
- Source Area investigations
    - Routine visual check of CSS soil cover and surface area around the perimeter of the CSS

Demolition Area 1

- Bag filters changed

Demolition Area 2

- No activity

J-1 Range

- Bag filters changed at J-1 Range Southern System

J-2 Range

- Bag filters changed

J-3 Range

- Groundwater sampling within the J-3 Range SPM Program

L Range

- No activity

Small Arms Ranges

- No activity

Northwest Corner

- No activity
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Training Areas

- No activity

Impact Area Roads

- No activity

Other

- Collected process water samples from Central Impact Area, Demolition Area 1, J-1 Range Northern, J-1 Range Southern, J-2 Range Eastern, J-2 Range Northern, and J-3 Range treatment systems

JBCC Impact Area Groundwater Study Program (IAGWSP) Tech Update Meeting Minutes for 08 February 2024

Project and Fieldwork Update

Darrin Smith (USACE)provided the project and fieldwork update starting with the status of the groundwater sampling crews. He said that KGS crews finished sampling at the J-3 Range semi-annual system performance monitoring (SPM) wells (12 screens) on February 7th. They began sampling at the Central Impact Area (CIA) annual SPM wells (162 screens) on January 24th, which should finish around mid- March. He explained that crews will move to the biannual Small Arms Ranges long-term monitoring sampling (19 screens).

Mr. Smith (USACE)continued with a status of operations and maintenance activities. He noted that crews began collecting the February monthly process water samples on February 5th and they should finish by the end of this week. The CIA-2 carbon changeout is scheduled for February 15th. Changeout was required based on the results of the January monthly process water sample results with an RDX detection right at the action level of 0.25 µg/L. Mr. Smith (USACE)said there were no notable system shutdowns since the last tech meeting.

Gina Kaso (USACE) provided a CIA update. She explained that there is no work being performed as the contractor de-mobilized from the site. They plan to return to the site on March 4th to begin their next ten acres. Ms. Kaso (USACE) noted that the group should have received the 2023 report yesterday. She also noted that EPA comments are still outstanding on the 2021 addendum. Jane Dolan (EPA) said she was aware she still owed comments. Ms. Kaso (USACE) asked if the group wanted to discuss the recommendations for the next ten acres. Len Pinaud (MassDEP) noted that they had prepared a graphic that they would send to the group but in the interim Kendall Walker (MassDEP) shared the figure with the group for discussion. Mr. Pinaud (MassDEP) said that they chose some of the grids that were proposed and chose some of their own. Ms. Kaso (USACE) said she would share the figure with the contractor and reminded the group that part of the grid selection is to also help with scheduling of resources so that teams are not on top of each other. Ms. Dolan (EPA) asked why more acreage wasn't completed in the last field season. Ms. Kaso (USACE) explained that they generally complete ten acres a year, which they did, however they had carried over acreage from the previous field season and there was an issue with polygons. Shawn Cody (ARNG) said the polygons were a big issue during the last field season and it is a contracting issue. He explained they do a certain number of digs per quarter acre and a certain amount of polygon days. He reminded the group that the approach to polygons is conservative and teams dig everything in the entire area, which can be quite expensive. He said there were not enough polygon days on contract. Ms. Kaso (USACE) said there is a small balance of polygon days but explained that last year the team tried to focus on polygons that could be completed, rather than start a polygon and leave half undone.

Mr. Pinaud (MassDEP) said they accepted proposed grids in survey unit (SU) 16, SU-17, and SU-18, and then proposed some grids on the eastern side and on the northern portion. Ms. Kaso (USACE) noted that the proposed northern portion, in what used to be SU-6, is in the SCAR rocket area of polygons where digging has been ongoing for two seasons. She said it could be considered but it is probably more polygons and questioned how much "bang for the buck" we would be getting based on the amount of scrap in the area. Ms. Dolan (EPA) said that EPA would be open for other areas but would really like a sound basis for not going to the northern area first. Mr. Pinaud (MassDEP) agreed. Ms. Kaso (USACE) said they would discuss with the contractor and get back to the group. Mr. Pinaud (MassDEP) said he would forward the figure to Ms. Kaso (USACE).

PFAS Investigation Discussion

Mr. Cody (ARNG) explained that while the team had planned to have a discussion today on Ms. Dolan's (EPA) PFAS letter dated January 31, 2024, Jodi Lyn Cutler (IAGWSP) unexpectedly had to miss the meeting due to a family emergency. Mr. Cody (ARNG) noted that the IAGWSP would respond to Ms. Dolan's (EPA) letter in writing by the February 14th deadline and asked that the discussion be tabled until Ms. Cutler (IAGWSP) is available. Ms. Dolan (EPA) agreed.

Document and Project Tracking

Jeff Dvorak (USACE) reviewed the tracking list to review and discuss documents and upcoming presentations. Ms. Dolan (EPA) asked that a date be added for when the Comprehensive PFAS Report would be submitted. Mr. Dvorak (USACE) said he would confirm with the team and add it to the next tracking list.

Central Impact Area Annual 2023 Environmental Monitoring Report Presentation

Ryan Hupfer (USACE) began a presentation on the Central Impact Area Annual Environmental Monitoring Report. He was noted that the presentation would cover system operations and performance, annual groundwater sampling results (July 2022 through June 2023) and trends, hydraulic monitoring and groundwater modeling, a comparison to Decision Document criteria, and recommendations.

Mr. Hupfer (USACE) began with system performance summaries with statistics for MTUs CIA 1, CIA 2, and CIA 3 by noting that the uptimes for each system was 95.70%, 94.98% and 98.19%, respectively.

Mr. Hupfer (USACE) continued with plots of treatment systems influent trends were displayed and discussed. It was noted that CIA 1 and CIA 2 each had two media changeouts during the reporting period and CIA 3 had none. Mr. Hupfer (USACE) said that during the reporting period, CIA 1 removed 0.73 pounds of RDX and 0.4 pounds of perchlorate, CIA 2 removed 0.96 pounds of RDX, and 0.33 pounds of perchlorate and CIA 3 removed 0.65 pounds of RDX and 0.15 pounds of perchlorate. Elliot Jacobs (MassDEP) asked what might have triggered the breakthroughs to be so close together. Mr. Hupfer (USACE) replied that they hadn't seen any operational deficiencies, but they would take another look at it and respond to MassDEP's comment on the report.

Mr. Hupfer (USACE) showed a figure with the RDX groundwater monitoring network. He noted that there were 163 well screens sampled and the range of RDX results were non-detect (ND) to 6.4 µg/L (MW-101M1). There were 34 screens greater than the risk-based concentration (RBC) of 0.60 µg/L (RBC), 26 screens greater than the regional screening level (RSL) of 0.97 µg/L, 14 screens greater than the health advisory (HA) of 2.00 µg/L, and there were no screens above 20.0 µg/L. Mr. Hupfer (USACE) displayed trend plots for RDX.

Mr. Hupfer (USACE) continued the presentation by reviewing the perchlorate monitoring network. During the reporting period, there were 38 well screens sampled, and perchlorate results ranged from ND to 2.1 µg/L (MW-209M1). There was one screen that exceeded the Massachusetts Maximum Contaminant Level (MMCL) of 2.00 µg/L and no screens were above the HA of 15.0 µg/L. Mr. Hupfer (USACE) displayed perchlorate trend plots and cross-sections. Mr. Hupfer (USACE) explained that there was one aquifer hydraulic analysis conducted during this reporting period. In March 2023, water levels in Zone 1 ranged from 65.90 ft MSL at MW-184M1to 54.06 ft MSL at MW-615M1. The horizontal gradient in Zone 1 was approximately 0.00181 ft/ft. In Zone 2, water levels ranged from 55.27 ft MSL at MW-638M1to 43.65 ft MSL at MW-616M2 and the horizontal gradient was approximately 0.00390 ft/ft. Ms. Dolan (EPA) noted that the capture zone in plan view was truncated and asked if that was because there are not water level measurement points further upgradient. Mr. Hupfer (USACE) replied that he believed that was correct.

Mr. Hupfer (USACE) displayed a figure of the delineated and model-predicted capture zones for the three extraction wells. He said both show most of the main plume is being captured and indicates they are working as intended. Mr. Hupfer (USACE) said RDX modeling done for the report was simulated using groundwater model at the site that was done for CIA and that perchlorate was not modeled because the plume is so small and entirely contained within the RDX plume. Measured and model-predicted plume figures were shown, and Mr. Hupfer (USACE) noted that while there were slight differences in the concentrations within the plume, the extent of the plumes match well which indicates the model-predictions will be useful in discussing cleanup times. Mr. Jacobs (MassDEP) asked where the 6.4 µg/L maximum concentration was on the figure. Mr. Hupfer (USACE) replied it was at MW-101 which is within the CIA and noted it was difficult to see on the figure because it was hidden by some of the monitoring wells and the area where the concentration is greater than 6 µg/L is limited. Mr. Hupfer (USACE) showed model predicted RDX concentrations in years 2025, 2030 and 2042 and noted the changes over time. Ms. Dolan (EPA) asked Mr. Hupfer (USACE) if he thought the northeast plume could be an extension of the 2,000-meter berm plume. Dave Hill (IAGWSP) said it was unlikely as there is an elevation mismatch.

Decision Document cleanup timelines were discussed. Mr. Hupfer (USACE) said that the time to cleanup for Zone 1 of the main plume using the model-predicted 2022 plume shell is 2038 for the HA of 2 µg/L and 2054 for the RBC of 0.60 µg/L. Mr. Hupfer (USACE) noted these dates are earlier than what is predicted in the Decision Document by nine and one years, respectively.

Mr. Hupfer (USACE) reviewed the recommendations that are in the report. There are no modifications being recommended for plant operations, sampling, wellfield extraction rates, or the hydraulic monitoring programs at this time. For the explosives monitoring program, the reduction of sampling frequency 10 screens and removal of five screens from monitoring program is being recommended. For perchlorate, one screen is being recommended for a reduction in sampling frequency and four screens are being recommended for removal from the

monitoring program. Mr. Hupfer (USACE) showed figures with the recommended changes and noted that concentrations at these wells have been ND or below the reporting limit for a long time. Ms. Dolan (EPA) asked if all profile data was in the Environmental Data Management System (EDMS). Mike Kulbersh (USACE) replied that it was.

JBCC Cleanup Team Meeting

The next JBCC Cleanup Team (JBCCCT) is scheduled for 10 April 2023. Meeting details and presentation materials from previous meetings can be found on the IAGWSP web site at http://jbcc-iagwsp.org/community/impact/presentations/. The Cleanup Team meeting discusses late breaking news and responses to action items, as well as updates from the IAGWSP and the Installation Restoration Program (IRP). The JBCCCT meetings provide a forum for community input regarding issues related to both the IRP and the IAGWSP.

3. SUMMARY OF DATA RECEIVED

Table 1 summarizes sampling for all media from 01 to 29 February 2024. Table 2 summarizes the validated detections of explosives compounds and perchlorate for all groundwater results received from 01 to 29 February 2024. These results are compared to the Maximum Contaminant Levels/Health Advisory (MCL/HA) values for respective analytes. Explosives and perchlorate are the primary contaminants of concern (COC) at Camp Edwards. Table 3 summarizes the validated detections of per- and polyfluoroalkyl substances (PFAS) for influent and groundwater results analyzed by EPA draft Method 1633 and received from 01 to 29 February 2024. Table 3 PFAS results are compared to the Regional Screening Levels (RSLs) published by EPA in November 2023. No PFAS validation was completed during February 2024, therefore, Table 3 is not included.

The operable units (OUs) under investigation and cleanup at Camp Edwards are the Central Impact Area, Demolition Area 1, Demolition Area 2, J-1 Range, J-2 Range, J-3 Range, L Range, Northwest Corner, Small Arms Ranges, and Training Areas. Environmental monitoring reports for each OU are generated each year to evaluate the current year groundwater results. These reports are available on the site Environmental Data Management System (EDMS) and at the project document repositories (IAGWSP office and Jonathan Bourne Library).

4. SUBMITTED DELIVERABLES

Deliverables submitted during the reporting period include the following:

- Draft Final 2023 Source Removal Annual Report, Central Impact Area — 07 February 2024
- Draft Land Use Controls Monitoring Report for 2023 — 13 February 2024
- Monthly Progress Report No. 322 for January 2024 — 14 February 2024
- Final J-1 Range Southern Environmental Monitoring Report for January 2021 through December 2022 — 22 February 2024
- Final Demolition Area 2 Environmental Monitoring Report for June 2022 through May 2023 — 28 February 2024

5. SCHEDULED ACTIONS

The following actions and/or documents are being prepared in February 2024.

- Response to Comments on J-1 Range North Environmental Monitoring Report for January 2021 – December 2022 with Plume Shell Technical Memorandum
- Response to Comments on J-3 Range Environmental Monitoring Report for September 2021 – August 2022
- Response to Comments on Central Impact Area Environmental Monitoring Report for July 2022 – June 2023
- Response to Comments on Demolition Area 1 Environmental Monitoring Report for July 2022 – June 2023 with Plume Shell Technical Memorandum
- IAGWSP Comprehensive PFAS Groundwater Sampling Summary Report
- Draft J-3 Range Environmental Monitoring Report for September 2022 to August 2023 with Plume Shell Technical Memorandum
- L Range Environmental Monitoring Report for March 2023 – February 2024
- J-2 Range Eastern Environmental Monitoring Report for November 2022 – October 2023
- J-2 Range Northern Environmental Monitoring Report for November 2022 – October 2023
- Sitewide Plume Booklet

TABLE 1
Sampling Progress: 01 to 29 February 2024

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
Central Impact Area	MW-202M1	MW-202M1_S24	MS	02/22/2024	Ground Water	264	274
Central Impact Area	MW-202M1	MW-202M1_S24	N	02/22/2024	Ground Water	264	274
Central Impact Area	MW-202M1	MW-202M1_S24	SD	02/22/2024	Ground Water	264	274
Central Impact Area	MW-208M1	MW-208M1_S24	N	02/22/2024	Ground Water	195	205
Central Impact Area	MW-207M1	MW-207M1_S24	N	02/22/2024	Ground Water	254	264
Central Impact Area	MW-176M2	MW-176M2_S24	N	02/22/2024	Ground Water	229	239
Central Impact Area	MW-176M1	MW-176M1_S24	N	02/22/2024	Ground Water	270	280
Central Impact Area	MW-180M3	MW-180M3_S24	N	02/21/2024	Ground Water	171	181
Central Impact Area	MW-203M2	MW-203M2_S24	N	02/21/2024	Ground Water	176	186
Central Impact Area	MW-687M2	MW-687M2_S24	N	02/21/2024	Ground Water	188	198
Central Impact Area	MW-687M1	MW-687M1_S24	N	02/21/2024	Ground Water	232.6	242.6
Central Impact Area	MW-686M2	MW-686M2_S24	N	02/21/2024	Ground Water	194.3	204.3
Central Impact Area	MW-686M1	MW-686M1_S24	N	02/21/2024	Ground Water	243.2	253.2
Central Impact Area	MW-184M1	MW-184M1_S24	N	02/20/2024	Ground Water	186	196
Central Impact Area	MW-184M1	MW-184M1_S24D	FD	02/20/2024	Ground Water	186	196
Central Impact Area	MW-25	MW-25_S24	N	02/20/2024	Ground Water	108	118
Central Impact Area	MW-38M3	MW-38M3_S24	N	02/20/2024	Ground Water	170	180
Central Impact Area	MW-38M4	MW-38M4_S24	N	02/20/2024	Ground Water	132	142
Central Impact Area	MW-728M1	MW-728M1_S24	N	02/20/2024	Ground Water	153.4	163.4
Central Impact Area	MW-486M1	MW-486M1_S24	N	02/15/2024	Ground Water	185.7	195.7
Central Impact Area	MW-485M1	MW-485M1_S24	N	02/15/2024	Ground Water	125.32	135.32
Central Impact Area	MW-485M1	MW-485M1_S24D	FD	02/15/2024	Ground Water	125.32	135.32
Central Impact Area	MW-27	MW-27_S24	N	02/15/2024	Ground Water	117	127
Central Impact Area	MW-477M2	MW-477M2_S24	N	02/14/2024	Ground Water	145.62	155.62
Central Impact Area	MW-477M2	MW-477M2_S24D	FD	02/14/2024	Ground Water	145.62	155.62
Central Impact Area	MW-477M1	MW-477M1_S24	N	02/14/2024	Ground Water	187.53	197.53
Central Impact Area	MW-115S	MW-115S_S24	N	02/14/2024	Ground Water	116	126
Central Impact Area	MW-115M1	MW-115M1_S24	MS	02/14/2024	Ground Water	138	148
Central Impact Area	MW-115M1	MW-115M1_S24	N	02/14/2024	Ground Water	138	148
Central Impact Area	MW-115M1	MW-115M1_S24	SD	02/14/2024	Ground Water	138	148
Central Impact Area	MW-107M2	MW-107M2_S24	N	02/12/2024	Ground Water	125	135
Central Impact Area	MW-40S	MW-40S_S24	N	02/12/2024	Ground Water	115.5	126
Central Impact Area	MW-40M1	MW-40M1_S24	N	02/12/2024	Ground Water	132.5	142
Central Impact Area	MW-85S	MW-85S_S24	N	02/12/2024	Ground Water	116	126
Central Impact Area	MW-37M2	MW-37M2_S24	N	02/12/2024	Ground Water	145	155
J1 Range Southern	J1S-EFF	J1S-EFF-195A	N	02/08/2024	Process Water	0	0
J1 Range Southern	J1S-MID	J1S-MID-195A	N	02/08/2024	Process Water	0	0
J1 Range Southern	J1S-INF-2	J1S-INF-2-195A	N	02/08/2024	Process Water	0	0
Central Impact Area	MW-01S	MW-01S_S24	N	02/08/2024	Ground Water	114	124
J3 Range	J3-EFF	J3-EFF-209A	N	02/08/2024	Process Water	0	0
J3 Range	J3-MID-2	J3-MID-2-209A	N	02/08/2024	Process Water	0	0
Central Impact Area	MW-01M2	MW-01M2_S24	N	02/08/2024	Ground Water	160	165
J3 Range	J3-MID-1	J3-MID-1-209A	N	02/08/2024	Process Water	0	0
J3 Range	J3-INF	J3-INF-209A	N	02/08/2024	Process Water	0	0
Demolition Area 1	FPR-2-EFF-A	FPR-2-EFF-A-215A	N	02/08/2024	Process Water	0	0
Demolition Area 1	FPR-2-GAC-MID1A	FPR-2-GAC-MID1A-215A	N	02/08/2024	Process Water	0	0
Demolition Area 1	FPR2-POST-IX-A	FPR2-POST-IX-A-215A	N	02/08/2024	Process Water	0	0
Central Impact Area	OW-1	OW-1_S24	N	02/08/2024	Ground Water	126	136
Central Impact Area	OW-1	OW-1_S24D	FD	02/08/2024	Ground Water	126	136
Demolition Area 1	FPR-2-INF	FPR-2-INF-215A	N	02/08/2024	Process Water	0	0
Central Impact Area	OW-2	OW-2_S24	N	02/08/2024	Ground Water	175	185
Demolition Area 1	D1LE-EFF	D1LE-EFF-91A	N	02/08/2024	Process Water	0	0
Demolition Area 1	D1LE-MID2	D1LE-MID2-91A	N	02/08/2024	Process Water	0	0
Demolition Area 1	D1LE-MID1	D1LE-MID1-91A	N	02/08/2024	Process Water	0	0
Demolition Area 1	D1LE-INF	D1LE-INF-91A	N	02/08/2024	Process Water	0	0
Central Impact Area	MW-235M1	MW-235M1_S24	N	02/08/2024	Ground Water	154	164
Demolition Area 1	D1-EFF	D1-EFF-163A	N	02/08/2024	Process Water	0	0
Demolition Area 1	D1-MID-2	D1-MID-2-163A	N	02/08/2024	Process Water	0	0
Demolition Area 1	D1-MID-1	D1-MID-1-163A	N	02/08/2024	Process Water	0	0
Demolition Area 1	D1-INF	D1-INF-163A	N	02/08/2024	Process Water	0	0

N = Normal Sample
FD = Field Duplicate

TABLE 1
Sampling Progress: 01 to 29 February 2024

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
J3 Range	90EW0001	90EW0001_S24	N	02/07/2024	Ground Water	83.1	143.8
J2 Range Eastern	J2E-EFF-K	J2E-EFF-K-185A	N	02/07/2024	Process Water	0	0
J3 Range	MW-636M2	MW-636M2_S24	N	02/07/2024	Ground Water	110.5	120.5
J2 Range Eastern	J2E-MID-2K	J2E-MID-2K-185A	N	02/07/2024	Process Water	0	0
J2 Range Eastern	J2E-MID-1K	J2E-MID-1K-185A	N	02/07/2024	Process Water	0	0
J2 Range Eastern	J2E-INF-K	J2E-INF-K-185A	N	02/07/2024	Process Water	0	0
J3 Range	MW-636M1	MW-636M1_S24	MS	02/07/2024	Ground Water	141.6	151.6
J3 Range	MW-636M1	MW-636M1_S24	N	02/07/2024	Ground Water	141.6	151.6
J3 Range	MW-636M1	MW-636M1_S24	SD	02/07/2024	Ground Water	141.6	151.6
J2 Range Eastern	J2E-EFF-J	J2E-EFF-J-185A	N	02/07/2024	Process Water	0	0
J2 Range Eastern	J2E-MID-2J	J2E-MID-2J-185A	N	02/07/2024	Process Water	0	0
J2 Range Eastern	J2E-MID-1J	J2E-MID-1J-185A	N	02/07/2024	Process Water	0	0
J2 Range Eastern	J2E-INF-J	J2E-INF-J-185A	N	02/07/2024	Process Water	0	0
J2 Range Eastern	J2E-EFF-IH	J2E-EFF-IH-185A	N	02/07/2024	Process Water	0	0
J2 Range Eastern	J2E-MID-2H	J2E-MID-2H-185A	N	02/07/2024	Process Water	0	0
J2 Range Eastern	J2E-MID-1H	J2E-MID-1H-185A	N	02/07/2024	Process Water	0	0
Central Impact Area	MW-91S	MW-91S_S24	N	02/07/2024	Ground Water	124	134
Central Impact Area	MW-91S	MW-91S_S24D	FD	02/07/2024	Ground Water	124	134
J2 Range Eastern	J2E-MID-2I	J2E-MID-2I-185A	N	02/07/2024	Process Water	0	0
J2 Range Eastern	J2E-MID-1I	J2E-MID-1I-185A	N	02/07/2024	Process Water	0	0
J2 Range Eastern	J2E-INF-I	J2E-INF-I-185A	N	02/07/2024	Process Water	0	0
Central Impact Area	MW-91M1	MW-91M1_S24	N	02/07/2024	Ground Water	170	180
Central Impact Area	MW-695S	MW-695S_S24	N	02/06/2024	Ground Water	130	140
Central Impact Area	MW-695S	MW-695S_S24D	FD	02/06/2024	Ground Water	130	140
Central Impact Area	CIA2-EFF	CIA2-EFF-121A	N	02/06/2024	Process Water	0	0
Central Impact Area	CIA2-MID2	CIA2-MID2-121A	N	02/06/2024	Process Water	0	0
Central Impact Area	MW-726S	MW-726S_S24	N	02/06/2024	Ground Water	135.5	145.5
Central Impact Area	CIA2-MID1	CIA2-MID1-121A	N	02/06/2024	Process Water	0	0
Central Impact Area	CIA2-INF	CIA2-INF-121A	N	02/06/2024	Process Water	0	0
Central Impact Area	CIA1-EFF	CIA1-EFF-121A	N	02/06/2024	Process Water	0	0
Central Impact Area	CIA1-MID2	CIA1-MID2-121A	N	02/06/2024	Process Water	0	0
Central Impact Area	CIA1-MID1	CIA1-MID1-121A	N	02/06/2024	Process Water	0	0
Central Impact Area	MW-729M1	MW-729M1_S24	N	02/06/2024	Ground Water	231.5	241.5
Central Impact Area	CIA1-INF	CIA1-INF-121A	N	02/06/2024	Process Water	0	0
Central Impact Area	MW-02M2	MW-02M2_S24	N	02/06/2024	Ground Water	170	175
Central Impact Area	MW-02M1	MW-02M1_S24	N	02/06/2024	Ground Water	212	217
Central Impact Area	CIA3-EFF	CIA3-EFF-92A	N	02/06/2024	Process Water	0	0
Central Impact Area	CIA3-MID2	CIA3-MID2-92A	N	02/06/2024	Process Water	0	0
Central Impact Area	CIA3-MID1	CIA3-MID1-92A	N	02/06/2024	Process Water	0	0
Central Impact Area	CIA3-INF	CIA3-INF-92A	N	02/06/2024	Process Water	0	0
Central Impact Area	MW-90S	MW-90S_S24	N	02/05/2024	Ground Water	118	128
J2 Range Northern	J2N-EFF-G	J2N-EFF-G-209A	N	02/05/2024	Process Water	0	0
J2 Range Northern	J2N-MID-2G	J2N-MID-2G-209A	N	02/05/2024	Process Water	0	0
Central Impact Area	MW-727M1	MW-727M1_S24	N	02/05/2024	Ground Water	145.4	155.4
J2 Range Northern	J2N-MID-1G	J2N-MID-1G-209A	N	02/05/2024	Process Water	0	0
J2 Range Northern	J2N-INF-G	J2N-INF-G-209A	N	02/05/2024	Process Water	0	0
J2 Range Northern	J2N-EFF-EF	J2N-EFF-EF-209A	N	02/05/2024	Process Water	0	0
J2 Range Northern	J2N-MID-2F	J2N-MID-2F-209A	N	02/05/2024	Process Water	0	0
J2 Range Northern	J2N-MID-1F	J2N-MID-1F-209A	N	02/05/2024	Process Water	0	0
J2 Range Northern	J2N-INF-EF	J2N-INF-EF-209A	N	02/05/2024	Process Water	0	0
J2 Range Northern	J2N-MID-2E	J2N-MID-2E-209A	N	02/05/2024	Process Water	0	0
Central Impact Area	MW-725M1	MW-725M1_S24	N	02/05/2024	Ground Water	145.2	155.2
Central Impact Area	MW-725M1	MW-725M1_S24D	FD	02/05/2024	Ground Water	145.2	155.2
J2 Range Northern	J2N-MID-1E	J2N-MID-1E-209A	N	02/05/2024	Process Water	0	0
J1 Range Northern	J1N-EFF	J1N-EFF-124A	N	02/05/2024	Process Water	0	0
J1 Range Northern	J1N-MID2	J1N-MID2-124A	N	02/05/2024	Process Water	0	0
J1 Range Northern	J1N-MID1	J1N-MID1-124A	N	02/05/2024	Process Water	0	0
J1 Range Northern	J1N-INF2	J1N-INF2-124A	N	02/05/2024	Process Water	0	0
Central Impact Area	MW-90M1	MW-90M1_S24	N	02/01/2024	Ground Water	145	155
Central Impact Area	MW-44M1	MW-44M1_S24	N	02/01/2024	Ground Water	182	192

N = Normal Sample
FD = Field Duplicate

TABLE 1
Sampling Progress: 01 to 29 February 2024

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
Central Impact Area	MW-487M2	MW-487M2_S24	N	02/01/2024	Ground Water	195.84	205.84
J1 Range Northern	MW-487M2	MW-487M2_S24	N	02/01/2024	Ground Water	195.84	205.84
Central Impact Area	MW-487M1	MW-487M1_S24	N	02/01/2024	Ground Water	240.29	250.29
J1 Range Northern	MW-487M1	MW-487M1_S24	N	02/01/2024	Ground Water	240.29	250.29

N = Normal Sample
FD = Field Duplicate

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
Data Received February 2024

Area of Concern	Location ID	Field Sample ID	Top Depth (ft bgs)	Bottom Depth (ft bgs)	Date Sampled	Test Method	Analyte	Result Value	Qualifier	Units	MCL/HA	> MCL/HA	MDL	RL
J3 Range	90EW0001	90EW0001_S24	83.1	143.8	02/07/2024	SW6850	Perchlorate	0.068	J	µg/L	2.0		0.039	0.20
J3 Range	MW-636M2	MW-636M2_S24	110.5	120.5	02/07/2024	SW6850	Perchlorate	0.042	J	µg/L	2.0		0.039	0.20
J3 Range	J3EWIP2	J3EWIP2_S24	150.5	170.5	01/23/2024	SW6850	Perchlorate	1.1		µg/L	2.0		0.039	0.20
J3 Range	J3EWIP2	J3EWIP2_S24	150.5	170.5	01/23/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.18	J	µg/L	0.60		0.043	0.20
J3 Range	J3EWIP2	J3EWIP2_S24	150.5	170.5	01/23/2024	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.23		µg/L	400		0.091	0.20
J3 Range	J3EWIP2	J3EWIP2_S24D	150.5	170.5	01/23/2024	SW6850	Perchlorate	1.1		µg/L	2.0		0.039	0.20
J3 Range	J3EWIP2	J3EWIP2_S24D	150.5	170.5	01/23/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.20		µg/L	0.60		0.043	0.20
J3 Range	J3EWIP2	J3EWIP2_S24D	150.5	170.5	01/23/2024	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.19	J	µg/L	400		0.091	0.20
J3 Range	J3EWIP1	J3EWIP1_S24	153	193	01/23/2024	SW6850	Perchlorate	0.13	J	µg/L	2.0		0.039	0.20
J3 Range	J3EW0032	J3EW0032_S24	102	152	01/23/2024	SW6850	Perchlorate	0.36		µg/L	2.0		0.039	0.20
J3 Range	J3EW0032	J3EW0032_S24	102	152	01/23/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.24		µg/L	0.60		0.043	0.20
J3 Range	J3EW0032	J3EW0032_S24	102	152	01/23/2024	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.23		µg/L	400		0.091	0.20
J3 Range	MW-653M1	MW-653M1_S24	147.5	157.5	01/22/2024	SW6850	Perchlorate	0.053	J	µg/L	2.0		0.039	0.20
J3 Range	MW-653M1	MW-653M1_S24	147.5	157.5	01/22/2024	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.11	J	µg/L	400		0.091	0.20
J3 Range	MW-637M2	MW-637M2_S24	214.1	224.1	01/22/2024	SW6850	Perchlorate	1.5		µg/L	2.0		0.039	0.20
J3 Range	MW-637M2	MW-637M2_S24	214.1	224.1	01/22/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.39		µg/L	0.60		0.043	0.20
Lima Range	MW-242M1	MW-242M1_S24	235	245	01/17/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.13	J	µg/L	0.60		0.043	0.20
Lima Range	MW-651M1	MW-651M1_S24	242.3	252.3	01/17/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.23	J	µg/L	0.60		0.043	0.20
Lima Range	MW-595M2	MW-595M2_S24	205.3	215.3	01/16/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.10	J	µg/L	0.60		0.043	0.20
Lima Range	MW-595M1	MW-595M1_S24	255.3	265.3	01/16/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.29		µg/L	0.60		0.043	0.20
Lima Range	MW-595M1	MW-595M1_S24D	255.3	265.3	01/16/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.32		µg/L	0.60		0.043	0.20
J2 Range Eastern	MW-324M2	MW-324M2_S24	203.74	214.74	01/11/2024	SW6850	Perchlorate	0.70		µg/L	2.0		0.039	0.20
J2 Range Eastern	MW-324M2	MW-324M2_S24	203.74	214.74	01/11/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.066	J	µg/L	0.60		0.043	0.20
J2 Range Eastern	MW-324M2	MW-324M2_S24	203.74	214.74	01/11/2024	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.12	J	µg/L	400		0.091	0.20
J2 Range Eastern	MW-324M1	MW-324M1_S24	234.85	244.85	01/11/2024	SW6850	Perchlorate	0.36		µg/L	2.0		0.039	0.20
J2 Range Eastern	MW-339M1	MW-339M1_S24	233	243	01/10/2024	SW6850	Perchlorate	0.42		µg/L	2.0		0.039	0.20
J2 Range Eastern	MW-368M2	MW-368M2_S24	202.73	212.73	01/10/2024	SW6850	Perchlorate	5.5		µg/L	2.0	X	0.039	0.20
J2 Range Eastern	MW-368M2	MW-368M2_S24	202.73	212.73	01/10/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	2.9		µg/L	0.60	X	0.043	0.20
J2 Range Eastern	MW-368M2	MW-368M2_S24	202.73	212.73	01/10/2024	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	3.9		µg/L	400		0.091	0.20
J2 Range Eastern	MW-368M2	MW-368M2_S24D	202.73	212.73	01/10/2024	SW6850	Perchlorate	5.4		µg/L	2.0	X	0.039	0.20
J2 Range Eastern	MW-368M2	MW-368M2_S24D	202.73	212.73	01/10/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	3.0		µg/L	0.60	X	0.043	0.20
J2 Range Eastern	MW-368M2	MW-368M2_S24D	202.73	212.73	01/10/2024	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	4.0		µg/L	400		0.091	0.20
J2 Range Eastern	J2MW-04M1	J2MW-04M1_S24	257	267	01/10/2024	SW6850	Perchlorate	0.069	J	µg/L	2.0		0.039	0.20
J2 Range Eastern	J2MW-04M1	J2MW-04M1_S24	257	267	01/10/2024	SW8330	2-Amino-4,6-dinitrotoluene	0.040	J	µg/L	7.3		0.038	0.20
Demolition Area 1	MW-659M1	MW-659M1_F23	120	130	01/09/2024	SW6850	Perchlorate	0.12	J	µg/L	2.0		0.039	0.20
Demolition Area 1	XX9514	XX9514_F23	0	0	01/09/2024	SW6850	Perchlorate	1.0		µg/L	2.0		0.039	0.20
Demolition Area 1	MW-533M1	MW-533M1_F23	160	170	01/09/2024	SW6850	Perchlorate	9.5		µg/L	2.0	X	0.078	0.40
Demolition Area 1	MW-533M1	MW-533M1_F23	160	170	01/09/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	3.1		µg/L	0.60	X	0.043	0.20
Demolition Area 1	MW-533M1	MW-533M1_F23D	160	170	01/09/2024	SW6850	Perchlorate	10.0		µg/L	2.0	X	0.078	0.40
Demolition Area 1	MW-533M1	MW-533M1_F23D	160	170	01/09/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	3.2		µg/L	0.60	X	0.043	0.20
Demolition Area 1	MW-544M2	MW-544M2_F23	112	122	01/08/2024	SW6850	Perchlorate	0.16	J	µg/L	2.0		0.039	0.20
Demolition Area 1	MW-544M1	MW-544M1_F23	162	172	01/08/2024	SW6850	Perchlorate	6.5		µg/L	2.0	X	0.039	0.20
Demolition Area 1	MW-544M1	MW-544M1_F23	162	172	01/08/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.96		µg/L	0.60	X	0.043	0.20

J = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit
ND = Non-Detect

MCL/HA= Either the MCL or Lowest Health Advisory Limit
March 06, 2024

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
Data Received February 2024

Area of Concern	Location ID	Field Sample ID	Top Depth (ft bgs)	Bottom Depth (ft bgs)	Date Sampled	Test Method	Analyte	Result Value	Qualifier	Units	MCL/HA	> MCL/HA	MDL	RL
Demolition Area 1	MW-545M4	MW-545M4_F23	72	82	01/08/2024	SW6850	Perchlorate	0.12	J	µg/L	2.0		0.039	0.20
Demolition Area 1	MW-545M3	MW-545M3_F23	101.5	111.5	01/08/2024	SW6850	Perchlorate	0.49		µg/L	2.0		0.039	0.20
Demolition Area 1	MW-545M2	MW-545M2_F23	142	152	01/08/2024	SW6850	Perchlorate	2.0		µg/L	2.0		0.039	0.20
Demolition Area 1	MW-545M2	MW-545M2_F23	142	152	01/08/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.080	J	µg/L	0.60		0.043	0.20
Demolition Area 1	MW-545M1	MW-545M1_F23	162	172	01/08/2024	SW6850	Perchlorate	1.0		µg/L	2.0		0.039	0.20
Demolition Area 1	MW-730M3	MW-730M3_F23	115.46	125.46	01/04/2024	SW6850	Perchlorate	2.5		µg/L	2.0	X	0.039	0.20
Demolition Area 1	MW-730M2	MW-730M2_F23	165.87	175.87	01/04/2024	SW6850	Perchlorate	12.0		µg/L	2.0	X	0.078	0.40
Demolition Area 1	MW-730M2	MW-730M2_F23	165.87	175.87	01/04/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	4.3		µg/L	0.60	X	0.043	0.20
Demolition Area 1	MW-730M2	MW-730M2_F23D	165.87	175.87	01/04/2024	SW6850	Perchlorate	12.0		µg/L	2.0	X	0.078	0.40
Demolition Area 1	MW-730M2	MW-730M2_F23D	165.87	175.87	01/04/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	4.2		µg/L	0.60	X	0.043	0.20
Demolition Area 1	MW-730M1	MW-730M1_F23	185.82	195.82	01/04/2024	SW6850	Perchlorate	3.4		µg/L	2.0	X	0.039	0.20
Demolition Area 1	MW-730M1	MW-730M1_F23	185.82	195.82	01/04/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.14	J	µg/L	0.60		0.043	0.20
Demolition Area 1	MW-732M2	MW-732M2_F23	96.2	106.2	01/03/2024	SW6850	Perchlorate	0.23		µg/L	2.0		0.039	0.20
Demolition Area 1	MW-732M1	MW-732M1_F23	156	166	01/03/2024	SW6850	Perchlorate	0.16	J	µg/L	2.0		0.039	0.20
Demolition Area 1	MW-731M3	MW-731M3_F23	160.1	170.1	01/03/2024	SW6850	Perchlorate	0.94		µg/L	2.0		0.039	0.20
Demolition Area 1	MW-731M3	MW-731M3_F23	160.1	170.1	01/03/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.41		µg/L	0.60		0.043	0.20
Demolition Area 1	MW-731M2	MW-731M2_F23	190.9	200.9	01/03/2024	SW6850	Perchlorate	3.1		µg/L	2.0	X	0.039	0.20
Demolition Area 1	MW-731M2	MW-731M2_F23	190.9	200.9	01/03/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.24		µg/L	0.60		0.043	0.20
Demolition Area 1	MW-731M1	MW-731M1_F23	220.8	230.8	01/03/2024	SW6850	Perchlorate	1.1		µg/L	2.0		0.039	0.20
Demolition Area 1	EW-658	EW-658_F23	96	136	01/02/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.088	J	µg/L	0.60		0.043	0.20
Demolition Area 1	MW-77M2	MW-77M2_F23	120	130	01/02/2024	SW8330	2-Amino-4,6-dinitrotoluene	0.061	J	µg/L	7.3		0.038	0.20
Demolition Area 1	MW-77M2	MW-77M2_F23	120	130	01/02/2024	SW8330	4-Amino-2,6-dinitrotoluene	0.082	J	µg/L	7.3		0.075	0.20
Demolition Area 1	MW-73S	MW-73S_F23	38.5	48	01/02/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.060	J	µg/L	0.60		0.043	0.20
Demolition Area 1	MW-19S	MW-19S_F23	38	48	01/02/2024	SW8330	2-Amino-4,6-dinitrotoluene	0.076	J	µg/L	7.3		0.038	0.20
Demolition Area 1	MW-19S	MW-19S_F23	38	48	01/02/2024	SW8330	4-Amino-2,6-dinitrotoluene	0.15	J	µg/L	7.3		0.075	0.20
Demolition Area 1	MW-19S	MW-19S_F23	38	48	01/02/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	2.3		µg/L	0.60	X	0.043	0.20
Demolition Area 1	MW-19S	MW-19S_F23	38	48	01/02/2024	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.57		µg/L	400		0.091	0.20
Demolition Area 1	MW-19S	MW-19S_F23D	38	48	01/02/2024	SW8330	2-Amino-4,6-dinitrotoluene	0.081	J	µg/L	7.3		0.038	0.20
Demolition Area 1	MW-19S	MW-19S_F23D	38	48	01/02/2024	SW8330	4-Amino-2,6-dinitrotoluene	0.16	J	µg/L	7.3		0.075	0.20
Demolition Area 1	MW-19S	MW-19S_F23D	38	48	01/02/2024	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	2.2		µg/L	0.60	X	0.043	0.20
Demolition Area 1	MW-19S	MW-19S_F23D	38	48	01/02/2024	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.55		µg/L	400		0.091	0.20
Demolition Area 1	MW-31S	MW-31S_F23	98	103	12/28/2023	SW8330	2,4,6-Trinitrotoluene	0.45		µg/L	2.0		0.096	0.20
Demolition Area 1	MW-31S	MW-31S_F23	98	103	12/28/2023	SW8330	2-Amino-4,6-dinitrotoluene	0.11	J	µg/L	7.3		0.038	0.20
Demolition Area 1	MW-31S	MW-31S_F23	98	103	12/28/2023	SW8330	4-Amino-2,6-dinitrotoluene	0.091	J	µg/L	7.3		0.075	0.20
Demolition Area 1	MW-31S	MW-31S_F23	98	103	12/28/2023	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.51		µg/L	0.60		0.043	0.20
Demolition Area 1	MW-31M	MW-31M_F23	113	123	12/28/2023	SW8330	2-Amino-4,6-dinitrotoluene	0.046	J	µg/L	7.3		0.038	0.20
Demolition Area 1	MW-31M	MW-31M_F23	113	123	12/28/2023	SW8330	4-Amino-2,6-dinitrotoluene	0.092	J	µg/L	7.3		0.075	0.20
Demolition Area 1	MW-341M3	MW-341M3_F23	209.5	219.5	12/27/2023	SW6850	Perchlorate	0.19	J	µg/L	2.0		0.039	0.20
Demolition Area 1	MW-341M2	MW-341M2_F23	264.5	269.5	12/27/2023	SW6850	Perchlorate	0.13	J	µg/L	2.0		0.039	0.20
Demolition Area 1	MW-341M2	MW-341M2_F23	264.5	269.5	12/27/2023	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.098	J	µg/L	0.60		0.043	0.20
Demolition Area 1	MW-663D	MW-663D_F23	240.6	250.6	12/27/2023	SW6850	Perchlorate	1.8		µg/L	2.0		0.039	0.20
Demolition Area 1	MW-663D	MW-663D_F23	240.6	250.6	12/27/2023	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.37		µg/L	0.60		0.043	0.20
Demolition Area 1	MW-231M1	MW-231M1_F23	210.5	220.5	12/27/2023	SW6850	Perchlorate	0.12	J	µg/L	2.0		0.039	0.20

J = Estimated Result
MDL = Method Detection Limit
RL = Reporting Limit
ND = Non-Detect

MCL/HA= Either the MCL or Lowest Health Advisory Limit
March 06, 2024