

**MONTHLY PROGRESS REPORT #350
FOR MAY 2026**

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 31 May 2026.

1. SUMMARY OF REMEDIATION ACTIONS

Remediation Actions (RA) Underway at Camp Edwards as of 29 May 2026:

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. The extraction, treatment, and recharge (ETR) system at Base Boundary includes an extraction well, an ex-situ treatment process to remove explosives compounds and perchlorate from the groundwater, and an infiltration gallery to return treated water to the aquifer.

The Base Boundary Mobile Treatment Unit (MTU) continues to operate at a flow rate of 65 gpm. As of 29 May 2026, over 468.0 million gallons of water were treated. No Base Boundary system shutdowns occurred in the reporting period.

The Frank Perkins Treatment Facility was turned off on 30 September 2025 due to a government shutdown (formerly operated at a flow rate of 125 gpm). Regulatory approval to leave the system (EW-04) off was received in accordance with the Final 2025 Demolition Area 1 Environmental Monitoring Report dated April 2026. Over 3.185 billion gallons of water were treated during the RA.

The Leading-Edge System was turned off with regulatory approval on 19 August 2025 (formerly operated at a flow rate of 125 gpm). Over 481.6 million gallons of water were treated during the RA.

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 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 infiltration galleries to return treated water to the aquifer.

The Northern MTUs E and F continue to operate at a combined flow rate of 250 gpm. As of 29 May 2026, over 2.457 billion gallons of water have been treated and re-injected. The following MTU E and F system shutdowns occurred in the reporting period:

- 1345 on 06 May 2026, Unit E tripped with no alarm and was restarted at 1403 on 06 May 2026.
- 2218 on 24 May 2026, Unit E tripped with no alarm and was restarted at 0841 on 26 May 2026.

The Northern Treatment Building G continues to operate at a flow rate of 250 gpm with over 1.874 billion gallons of water treated as of 29 May 2026. The following MTU G system shutdowns occurred in the reporting period:

- Between 31 January and 01 February 2026 due to a phase loss caused by a blown fuse on a utility pole. Power to the treatment plan was restored on 30 April 2026. Once power was restored it was determined that the VFD and UPS had been damaged during the outage and would need to be replaced. The VFD and UPS were replaced on 08 May 2026 and associated programming and repairs were completed on 11 May 2026. Unit G was restarted on 1150 on 11 May 2026.
- 1000 on 21 May 2026 Unit G was shut down to replace a leaking ½-inch ball valve on the IX influent line and was started at 1015 on 21 May 2026.

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: two extraction wells, 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 two infiltration galleries. The flow rate at MTU J was reduced from 120 gpm to 90 gpm and MTU K was turned off with regulatory approval on 28 October 2025. The J-2 Range Eastern system has been running at a combined total flow rate of 340 gpm.

The MTUs H and I continue to operate at a combined flow rate of 250 gpm. As of 29 May 2026, over 2.058 billion gallons of water have been treated. No MTUs H and I shutdowns occurred in the reporting period.

MTU J continues to operate at a flow rate of 90 gpm with over 963.4 million gallons of water treated as of 29 May 2026. No MTU J shutdowns occurred in the reporting period.

MTU K was turned off with regulatory approval on 28 October 2025. (formerly operated at a flow rate of 125 gpm). Over 1.086 billion gallons of water were treated during the RA.

J-3 Range Groundwater RA

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) injection wells to return treated water to the aquifer.

The J-3 system is currently operating at a flow rate of 255 gpm. As of 29 May 2026, over 2.082 billion gallons of water have been treated. The following J-3 system shutdowns occurred in the reporting period:

- 0600 on 04 May 2026 due to FS-12 being off and was restarted at 0925 on 04 May 2026.
- 1840 on 04 May 2026 due to FS-12 being off and was restarted at 0817 on 05 May 2026.

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 one extraction well, an ex-situ treatment process to remove explosives compounds from the groundwater, and an infiltration gallery to return treated water to the aquifer.

The Southern MTU has been optimized as part of the ESPM program at J-1 Range Southern. The on-base extraction well J1SEW0001 was turned off with regulatory approval on 28 February 2017 (formerly operated at a flow of 35 gpm), and flow was increased from 90 gpm to 125 gpm at the Leading-Edge extraction well J1SEW0002. The system continues to operate at a flow rate of 125 gpm. As of 29 May 2026, over 903.6 million gallons of water have been treated and re-injected. The following shutdowns occurred in the reporting period:

- 0650 on 19 December 2025 to prevent damage to the system due to a broken insulator and a blown fuse caused by high winds. After power was restored to the MTU on 30 April 2026, it was discovered that the program had been lost on the PLC. The PLC was reprogrammed on 08 May 2026 and the system was restarted at 1000 on 08 May 2026.

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 gallery to return treated water to the aquifer.

The Northern MTU continues to operate at a total system flow rate of 250 gpm. The flow rates for the two extraction wells at J-1 Northern were modified on 28 October 2024 based on regulatory agency concurrence with the J-1 Range Northern Data Presentation for January 2023 to December 2023. The flow rate at J1NEW0001 was reduced from 125 gpm to 85 gpm and the flow rate at J1NEW0002 was increased from 125 gpm to 165 gpm.

As of 29 May 2026, over 1.614 billion gallons of water have been treated and re-injected. The following J-1 Range Northern MTU shutdowns occurred in the reporting period:

- 1933 on 29 May 2026 due to a "Phase Loss" alarm. Power issues prevented the system from being restarted. BETCO is scheduled to be on site on Monday, 01 June 2026 to troubleshoot the issue.

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. CIA systems 1, 2 and 3 continue to run at a total flow rate of 750 gpm. As of 29 May 2026, over 4.368 billion gallons of water have been treated. The following CIA shutdowns occurred in the reporting period:

- 1933 on 22 May 2026 CIA-1 tripped due to a “VFD Fault” alarm and was restarted at 0716 on 26 May 2026.

2. SUMMARY OF ACTIONS TAKEN

Operable Unit (OU) Activity as of 29 May 2026:

CIA

- Source Area Investigation
 - Conducted routine visual inspections of the consolidated shot structure (CSS) cover and surface area around the perimeter of the CSS.

Demolition Area 1

- Annual sampling within the Demolition Area 1 SPM Program
- Synoptic gauging event

Demolition Area 2

- No activity

J-1 Range

- No activity

J-2 Range

- No activity

J-3 Range

- No activity

L Range

- No activity

Small Arms Ranges

- No activity

Northwest Corner

- No activity

Training Areas

- No activity

Impact Area Roads

- No activity

Sierra Range

- 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 09 April 2026**Project and Fieldwork Update**

Darrin Smith (USACE) provided the project and fieldwork update. The Demolition Area 1 (Demo 1) annual groundwater sampling event is ongoing and is expected to run through the end of May. After that, sampling will be conducted at J-1 Range North and J-1 Range South. The May operations and maintenance (O&M) sampling was completed for all of the current operating systems. Sampling at the systems that will be restarted will happen on Friday, May 8th. The April O&M sampling results showed RDX concentrations at CIA-2 at 0.37 micrograms per liter ($\mu\text{g/L}$), which is above the action levels (AL) of 0.25 $\mu\text{g/L}$ for RDX. This sample was collected prior to the carbon exchange on April 22nd, and the May sampling event should be lower. Perchlorate detections were below the 0.35 $\mu\text{g/L}$ AL however ion exchange changeout has been scheduled based on the April sampling results. The midport sample from the J-1 North system was reported at a concentration at, or equal to, the AL so contract actions are being awarded for associated changeouts.

Treatment systems at J-1 South, J-2 East, and J-2 North were offline due to overhead power line damage from winter storms. The power lines were repaired on April 30th and J-2 East systems were restarted on that same day. The other systems will be restarted after program logic controllers (PLCs) can be reprogrammed and the variable frequency drives are replaced tomorrow, May 8th. Further details will be provided later in the meeting discussion.

Mr. Smith (USACE) also reported that a camera inspection was completed at CIA-3 and no blockages were observed, just some minor roots. Crews will use a hand auger for test bore holes to see if anything is surrounding the legs of the infiltration system and possibly impeding the flow. He noted that nothing was affecting the functionality of the system overall.

James Carney (TechLaw) asked if copies of background programs are retained for the PLCs so that they can be uploaded in short order. Jeff Dvorak (USACE) confirmed that background programs are retained and the vendor will perform a PLC update on Friday. Mr. Carney (TechLaw) asked if any additional updates are planned and Mr. Dvorak (USACE) replied that the vendor will help make that determination on Friday. Mr. Smith (USACE) noted that PLC updates have been done recently but if the vendor thinks another is needed, it will be completed.

Mr. Dvorak (USACE) reported that the source removal contract was awarded to Dawson. They are finalizing plans for the shortened schedule this year. Shawn Cody (IAGWSP) noted that "bat

season” will begin on May 31st and run through August 16th. There are limits on activities (e.g. felling trees) during that time. IAGWSP will work with Dawson to plan the work accordingly.

Document and Project Tracking

Jeff Dvorak (USACE) reviewed the tracking list for documents and upcoming presentations.

Offline Treatment Systems Update

Bob Lim (EPA) said that the presentation is in response to an EPA letter requesting an update on treatments systems that were offline since December. He explained that EPA asked the IAGWSP to determine if there are any prolonged impacts to the cleanup efforts with the extended shutdown. Mr. Cody (IAGWSP) explained that there was no lapse in funding, rather all funding had been expended when the December 19th storm occurred. The situation was compounded by the blizzard in February. Mr. Cody (IAGWSP) stated that when funds became available for the next fiscal year, the full funding for the year was sent to IAGWSP. The subsequent delay in resuming system operations was due to difficulties with Eversource and electrical contractor coordination.

Mr. Dvorak (USACE) presented the analysis of impacts on the J-2 East and J-1 South systems due to the loss of power originating from the December 19th storm. Power to all systems was restored on April 30th. Mr. Dvorak (USACE) explained that when power was restored, the J-2 East H and I systems resumed operations. However, it was determined that the J-2 East J and J-1 South systems had to be reprogrammed, which is scheduled for Friday.

Simulations show that the plumes will remain within the capture zones when the systems come back online, and therefore, there are no expected residual impacts to receptors due to the shutdowns. Also, the shutdowns should have no material change in cleanup time.

Mr. Dvorak (USACE) noted that these treatment systems have been pumping for 15 plus years, and the low concentration plume masses are disconnected. He explained that while these system operation interruptions occur off and on, the plumes still attenuate due to dispersion. The plumes continue migrating following the system shutdown, and the land use controls have remained in place to address any potential risk to receptors. Approximate groundwater velocities in these areas are half a foot a day, or 15 feet per month, and that shutdown period was approximately four and a half months. The analyses were conducted with a conservative five-month estimated shutdown period. The conclusion is that the plumes’ mass capture will remain similar to the original estimated plume cleanup timeframe.

Ryan Hupfer (USACE) reviewed his simulations for the perchlorate and RDX plumes at J-2 East. He noted that he completed a simulation of the transport if the system had not shut down for a comparison. He displayed figures to show the results.

The simulation for the perchlorate plume after that five-month shutdown predicted that the plume will likely remain within the capture zones of the J-2 East systems. He noted there are some minor differences, but overall, the extents are very similar. The plume remaining within the capture zones, even after that shutdown, indicates that there will be no impacts to groundwater receptors. He noted that this is partially because the groundwater velocities at J-2 East are a little less than half a foot per day. The shallow zone has a groundwater velocity of about 0.4 feet per day, or about 140 feet per year. The deeper zone has a groundwater velocity of point two

feet per day, or approximately 70 feet per year. During the simulated five-month shutdown, there was an estimated 30 to 60 feet of plume migration during that period, which is relatively small compared to the size of the plume.

Mr. Hupfer (USACE) stated there is a similar model output for the RDX plume extent after the five-month shutdown compared to the no shutdown simulation. After the five-month shutdown, the plume is still predicted to be in the capture zone with no anticipated impacts to groundwater receptors for both RDX and perchlorate plumes at J-2 East.

Chris Kilbridge (USACE) reviewed the analyses conducted for J-1 South. He stated that he simulated a shutdown from December 19th to June 1st. He displayed figures of the simulations, which also included a simulation for system operation with no interruption. He noted that the groundwater velocities are very similar to J-2 East, with 140 feet per year in the shallow part of the aquifer and approximately 70 feet per year in the deeper part of the aquifer. The overall distance that the plume traveled was estimated to be approximately 60 feet. Mr. Kilbridge (USACE) stated that there has been so much progress made up to this point with little mass left, and therefore, the shutdown wasn't long enough to have a negative impact. The predicted cleanup time is not expected to change, and the conclusion is that there have been no impacts due to this shutdown event at J-1 South.

Mr. Dvorak (USACE) summarized the lines of evidence and reminded everyone that power has been restored to all systems. The remainder of the systems will be reprogrammed on Friday. The simulations indicate that plumes will remain within capture zones and only migrate approximately 60 feet. Attenuation continues to occur when systems are down. Land use controls have remained in place, and groundwater receptors are not impacted by the shutdowns.

He noted that the biweekly summary reports capture the most recent data from the most recent sampling events, the monthly progress reports, the tech meetings, and the program's Environmental Data Management System (EDMS) are all sources of information for the program. He offered EDMS training to anyone who would like it. Jessica Crispin (MassDEP) and Mr. Carney (TechLaw) expressed interest. Mr. Lim (EPA) asked for Mac McRae to also be invited to the training.

Mr. Carney (TechLaw) asked if the flow rates are consistent with expectations since the systems have resumed operations, or if that needs to be evaluated. Mr. Dvorak (USACE) said he was not aware of any issues. Mr. Carney (TechLaw) clarified that he was thinking about the potential for reduced screen recovery after systems restart. Mr. Smith (USACE) said he will follow-up on this.

Mr. Dvorak (USACE) noted that this was a summary of the technical analysis as a follow-up to EPA's letter. A formal response to the letter will follow.

Next Tech Meeting: June 11, 2026

JBCC Cleanup Team Meeting

The last JBCC Cleanup Team (JBCCCT) meeting was held on 27 May 2026. 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. The next JBCCCT has not yet been scheduled.

3. SUMMARY OF DATA RECEIVED

Table 1 summarizes sampling for all media from 01 to 31 May 2026. Table 2 summarizes the validated detections of explosives compounds and perchlorate for all groundwater results received from 01 to 31 May 2026. 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 30 April 2026. Table 3 PFAS results are compared to the Regional Screening Levels (RSLs) published by EPA in November 2023. No PFAS validation was completed during May 2026, 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, and Small Arms Ranges. 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 repository (IAGWSP office).

4. SUBMITTED DELIVERABLES

Deliverables submitted during the reporting period include the following:

- Response to Comments on the Central Impact Area EMR for July 2024 through June 2025 06 May 2026
- Final L Range EMR for March 2024 through February 2025 06 May 2026
- Draft Uniform Federal Policy Quality Assurance Project Plan 20 May 2026
- Response to Comment on the 2025 Draft Land Use Controls Monitoring Report 21 May 2026
- Final Land Use Controls Monitoring Report 28 May 2026
- Response to Comments on the Draft J-3 Range EMR for September 2023 through August 2024 29 May 2026
- Response to Comments on the Draft J-1 Range Southern EMR for January 2024 through December 2024 29 May 2026
- Comment Resolution for the Draft Central Impact Area EMR for July 2024 through June 2025 29 May 2026

5. SCHEDULED ACTIONS

The following actions and/or documents are being prepared in April 2026.

- Final J-3 Range EMR for September 2023 through August 2024
- Response to Comments on the Draft J-1 Range Northern EMR for January 2024 through December 2024
- Final J-1 Range Southern EMR for January 2024 through December 2024
- Final CIA EMR for July 2024 through June 2025
- Response to Comments on the Draft J-2 Range Northern EMR for November 2024 through October 2025
- Response to Comments on the Draft J-2 Range Eastern EMR for November 2024 through October 2025
- Response to Comments on the IAGWSP Comprehensive PFAS Report
- Draft Monitoring Well Abandonment Memorandum
- Draft L Range Demonstration of Compliance

TABLE 1
Sampling Progress: 01 to 31 May 2026

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
Demolition Area 1	MW-556M2	MW-556M2_S26	N	05/28/2026	Ground Water	111.00	121.00
Demolition Area 1	MW-556M1	MW-556M1_S26	N	05/28/2026	Ground Water	153.00	163.00
Demolition Area 1	MW-597M2	MW-597M2_S26	N	05/27/2026	Ground Water	118.00	128.00
Demolition Area 1	MW-597M1	MW-597M1_S26	N	05/27/2026	Ground Water	148.00	158.00
Demolition Area 1	MW-353M2	MW-353M2_S26	N	05/27/2026	Ground Water	57.00	67.00
Demolition Area 1	MW-353M1	MW-353M1_S26	N	05/27/2026	Ground Water	107.00	117.00
Demolition Area 1	MW-611M2	MW-611M2_S26	N	05/20/2026	Ground Water	91.00	101.00
Demolition Area 1	MW-611M1	MW-611M1_S26	N	05/20/2026	Ground Water	141.00	151.00
Demolition Area 1	MW-611M1	MW-611M1_S26D	FD	05/20/2026	Ground Water	141.00	151.00
Demolition Area 1	MW-582M2	MW-582M2_S26	N	05/20/2026	Ground Water	84.00	94.00
Demolition Area 1	MW-582M2	MW-582M2_S26D	FD	05/20/2026	Ground Water	84.00	94.00
Demolition Area 1	MW-582M1	MW-582M1_S26	N	05/20/2026	Ground Water	134.00	144.00
Demolition Area 1	MW-604M2	MW-604M2_S26	N	05/19/2026	Ground Water	29.00	39.00
Demolition Area 1	MW-604M1	MW-604M1_S26	N	05/19/2026	Ground Water	111.00	121.00
Demolition Area 1	MW-602M2	MW-602M2_S26	N	05/19/2026	Ground Water	27.00	37.00
Demolition Area 1	MW-602M1	MW-602M1_S26	N	05/19/2026	Ground Water	109.00	119.00
Demolition Area 1	MW-571M2	MW-571M2_S26	N	05/18/2026	Ground Water	74.00	84.00
Demolition Area 1	MW-571M1	MW-571M1_S26	N	05/18/2026	Ground Water	114.00	124.00
Demolition Area 1	MW-569M2	MW-569M2_S26	N	05/18/2026	Ground Water	84.00	94.00
Demolition Area 1	MW-569M1	MW-569M1_S26	N	05/18/2026	Ground Water	114.00	124.00
J2 Range Northern	J2N-EFF-G	J2N-EFF-G-236A	N	05/18/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-MID-1G	J2N-MID-1G-236A	N	05/18/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-INF-G	J2N-INF-G-236A	N	05/18/2026	Process Water	0.00	0.00
Demolition Area 1	MW-558M2	MW-558M2_S26	N	05/12/2026	Ground Water	98.00	108.00
J2 Range Eastern	J2E-EFF-J	J2E-EFF-J-212A	N	05/12/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-2J	J2E-MID-2J-212A	N	05/12/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-1J	J2E-MID-1J-212A	N	05/12/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-INF-J	J2E-INF-J-212A	N	05/12/2026	Process Water	0.00	0.00

N = Normal Sample
FD = Field Duplicate

TABLE 1
Sampling Progress: 01 to 31 May 2026

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
Demolition Area 1	MW-558M1	MW-558M1_S26	N	05/12/2026	Ground Water	134.00	144.00
Demolition Area 1	MW-559M2	MW-559M2_S26	N	05/12/2026	Ground Water	87.00	97.00
J1 Range Southern	J1S-EFF	J1S-EFF-222A	N	05/12/2026	Process Water	0.00	0.00
Demolition Area 1	MW-559M1	MW-559M1_S26	N	05/12/2026	Ground Water	135.60	145.60
J1 Range Southern	J1S-MID	J1S-MID-222A	N	05/12/2026	Process Water	0.00	0.00
J1 Range Southern	J1S-INF-2	J1S-INF-2-222A	N	05/12/2026	Process Water	0.00	0.00
Demolition Area 1	MW-610M2	MW-610M2_S26	N	05/11/2026	Ground Water	85.00	95.00
Demolition Area 1	MW-610M1	MW-610M1_S26	N	05/11/2026	Ground Water	110.00	120.00
Demolition Area 1	MW-641M2	MW-641M2_S26	N	05/11/2026	Ground Water	86.20	96.20
Demolition Area 1	MW-641M1	MW-641M1_S26	N	05/11/2026	Ground Water	113.20	123.20
J1 Range Northern	J1N-MID2	J1N-MID2-151A	N	05/11/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-EFF-F	J2N-EFF-F_S26	N	05/07/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26D	FD	05/07/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26	N	05/07/2026	Process Water	0.00	0.00
Demolition Area 1	MW-642M2	MW-642M2_S26	N	05/07/2026	Ground Water	77.30	87.30
Demolition Area 1	MW-642M1	MW-642M1_S26	N	05/07/2026	Ground Water	104.30	114.30
Demolition Area 1	MW-533M1	MW-533M1_S26	N	05/07/2026	Ground Water	160.00	170.00
Demolition Area 1	MW-533M1	MW-533M1_S26D	FD	05/07/2026	Ground Water	160.00	170.00
J2 Range Northern	MW-330M2	MW-330M2_S26	N	05/07/2026	Ground Water	238.01	248.04
Demolition Area 1	D1-EFF	D1-EFF-190A	N	05/06/2026	Process Water	0.00	0.00
Demolition Area 1	D1-MID-2	D1-MID-2-190A	N	05/06/2026	Process Water	0.00	0.00
Demolition Area 1	D1-MID-1	D1-MID-1-190A	N	05/06/2026	Process Water	0.00	0.00
Demolition Area 1	D1-INF	D1-INF-190A	N	05/06/2026	Process Water	0.00	0.00
J3 Range	J3-EFF	J3-EFF-236A	N	05/06/2026	Process Water	0.00	0.00
J3 Range	J3-MID-2	J3-MID-2-236A	N	05/06/2026	Process Water	0.00	0.00
J3 Range	J3-MID-1	J3-MID-1-236A	N	05/06/2026	Process Water	0.00	0.00
J3 Range	J3-INF	J3-INF-236A	N	05/06/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-2H	J2E-MID-2H-212A	N	05/06/2026	Process Water	0.00	0.00

N = Normal Sample
FD = Field Duplicate

TABLE 1
Sampling Progress: 01 to 31 May 2026

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
J2 Range Eastern	J2E-MID-1H	J2E-MID-1H-212A	N	05/06/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-EFF-IH	J2E-EFF-IH-212A	N	05/06/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-2I	J2E-MID-2I-212A	N	05/06/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-1I	J2E-MID-1I-212A	N	05/06/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-INF-I	J2E-INF-I-212A	N	05/06/2026	Process Water	0.00	0.00
Central Impact Area	CIA2-EFF	CIA2-EFF-148A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA2-MID2	CIA2-MID2-148A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA2-MID1	CIA2-MID1-148A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA2-INF	CIA2-INF-148A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA1-EFF	CIA1-EFF-148A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA1-MID2	CIA1-MID2-148A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA1-MID1	CIA1-MID1-148A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA1-INF	CIA1-INF-148A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA3-EFF	CIA3-EFF-119A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA3-MID2	CIA3-MID2-119A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA3-MID1	CIA3-MID1-119A	N	05/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA3-INF	CIA3-INF-119A	N	05/05/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-MID-2F	J2N-MID-2F-236A	N	05/04/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-MID-1F	J2N-MID-1F-236A	N	05/04/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-EFF-EF	J2N-EFF-EF-236A	N	05/04/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-MID-2E	J2N-MID-2E-236A	N	05/04/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-MID-1E	J2N-MID-1E-236A	N	05/04/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-INF-EF	J2N-INF-EF-236A	N	05/04/2026	Process Water	0.00	0.00
J1 Range Northern	J1N-EFF	J1N-EFF-151A	N	05/04/2026	Process Water	0.00	0.00
J1 Range Northern	J1N-MID1	J1N-MID1-151A	N	05/04/2026	Process Water	0.00	0.00
J1 Range Northern	J1N-INF2	J1N-INF2-151A	N	05/04/2026	Process Water	0.00	0.00

N = Normal Sample
FD = Field Duplicate

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
Data Received 01 to 31 May 2026

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	RC	> RC	MDL	RL
Demolition Area 1	MW-545M4	MW-545M4_S26	72.00	82.00	04/30/2026	SW6850	Perchlorate	0.10	J	µg/L	2.0		0.10	0.20
Demolition Area 1	MW-545M3	MW-545M3_S26	101.50	111.50	04/30/2026	SW6850	Perchlorate	0.22		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-545M2	MW-545M2_S26	142.00	152.00	04/30/2026	SW6850	Perchlorate	1.9		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-545M1	MW-545M1_S26	162.00	172.00	04/30/2026	SW6850	Perchlorate	0.66		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-544M2	MW-544M2_S26	112.00	122.00	04/29/2026	SW6850	Perchlorate	0.11	J	µg/L	2.0		0.10	0.20
Demolition Area 1	MW-544M1	MW-544M1_S26	162.00	172.00	04/29/2026	SW6850	Perchlorate	5.4		µg/L	2.0	X	0.10	0.20
Demolition Area 1	MW-544M1	MW-544M1_S26	162.00	172.00	04/29/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.96		µg/L	0.97		0.11	0.22
Demolition Area 1	MW-544M1	MW-544M1_S26D	162.00	172.00	04/29/2026	SW6850	Perchlorate	6.0		µg/L	2.0	X	0.10	0.20
Demolition Area 1	MW-544M1	MW-544M1_S26D	162.00	172.00	04/29/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.1		µg/L	0.97	X	0.11	0.22
Demolition Area 1	XX9514	XX9514_S26	0.00	0.00	04/29/2026	SW6850	Perchlorate	2.3		µg/L	2.0	X	0.10	0.20
Demolition Area 1	XX9514	XX9514_S26D	0.00	0.00	04/29/2026	SW6850	Perchlorate	2.2		µg/L	2.0	X	0.10	0.20
Demolition Area 1	MW-543M2	MW-543M2_S26	91.80	101.80	04/28/2026	SW6850	Perchlorate	0.10	J	µg/L	2.0		0.10	0.20
Demolition Area 1	MW-532M2	MW-532M2_S26	138.00	148.00	04/27/2026	SW6850	Perchlorate	0.72		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-532M1	MW-532M1_S26	168.00	178.00	04/27/2026	SW6850	Perchlorate	0.56		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-730M3	MW-730M3_S26	115.46	125.46	04/27/2026	SW6850	Perchlorate	1.9		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-730M2	MW-730M2_S26	165.87	175.87	04/27/2026	SW6850	Perchlorate	2.3		µg/L	2.0	X	0.10	0.20
Demolition Area 1	MW-730M2	MW-730M2_S26	165.87	175.87	04/27/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.4		µg/L	0.97	X	0.10	0.21
Demolition Area 1	MW-730M2	MW-730M2_S26D	165.87	175.87	04/27/2026	SW6850	Perchlorate	2.2		µg/L	2.0	X	0.10	0.20
Demolition Area 1	MW-730M2	MW-730M2_S26D	165.87	175.87	04/27/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.3		µg/L	0.97	X	0.11	0.22
Demolition Area 1	MW-730M1	MW-730M1_S26	185.82	195.82	04/27/2026	SW6850	Perchlorate	4.7		µg/L	2.0	X	0.10	0.20
Demolition Area 1	MW-730M1	MW-730M1_S26	185.82	195.82	04/27/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.36		µg/L	0.97		0.10	0.21
Demolition Area 1	MW-542M1	MW-542M1_S26	144.00	154.00	04/23/2026	SW6850	Perchlorate	0.10	J	µg/L	2.0		0.10	0.20
Demolition Area 1	MW-731M3	MW-731M3_S26	160.10	170.10	04/23/2026	SW6850	Perchlorate	0.41		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-731M3	MW-731M3_S26	160.10	170.10	04/23/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.23	J	µg/L	0.97		0.11	0.22
Demolition Area 1	MW-731M2	MW-731M2_S26	190.90	200.90	04/23/2026	SW6850	Perchlorate	2.2		µg/L	2.0	X	0.10	0.20
Demolition Area 1	MW-731M2	MW-731M2_S26	190.90	200.90	04/23/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.24		µg/L	0.97		0.11	0.21
Demolition Area 1	MW-731M1	MW-731M1_S26	220.80	230.80	04/23/2026	SW6850	Perchlorate	1.5		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-531M1	MW-531M1_S26	138.00	148.00	04/22/2026	SW6850	Perchlorate	5.4		µg/L	2.0	X	0.10	0.20

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

RC= Regulatory Criteria (MCL,HA,MMCL,RSL)

**TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
Data Received 01 to 31 May 2026**

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	RC	> RC	MDL	RL
Demolition Area 1	MW-531M1	MW-531M1_S26	138.00	148.00	04/22/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.1		µg/L	0.97	X	0.11	0.22
Demolition Area 1	MW-531M1	MW-531M1_S26D	138.00	148.00	04/22/2026	SW6850	Perchlorate	5.5		µg/L	2.0	X	0.10	0.20
Demolition Area 1	MW-531M1	MW-531M1_S26D	138.00	148.00	04/22/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.2		µg/L	0.97	X	0.11	0.22
Demolition Area 1	MW-696M1	MW-696M1_S26	175.20	185.20	04/22/2026	SW6850	Perchlorate	3.2		µg/L	2.0	X	0.10	0.20
Demolition Area 1	MW-258M1	MW-258M1_S26	109.00	119.00	04/22/2026	SW6850	Perchlorate	0.47		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-697M1	MW-697M1_S26	243.00	253.00	04/21/2026	SW6850	Perchlorate	3.9		µg/L	2.0	X	0.10	0.20
Demolition Area 1	MW-248M3	MW-248M3_S26	143.00	153.00	04/21/2026	SW6850	Perchlorate	0.11	J	µg/L	2.0		0.10	0.20
Demolition Area 1	MW-248M2	MW-248M2_S26	178.00	188.00	04/21/2026	SW6850	Perchlorate	0.43		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-248M1	MW-248M1_S26	216.30	226.30	04/21/2026	SW6850	Perchlorate	1.7		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-732M2	MW-732M2_S26	96.20	106.20	04/20/2026	SW6850	Perchlorate	0.21		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-732M1	MW-732M1_S26	156.00	166.00	04/20/2026	SW6850	Perchlorate	0.10	J	µg/L	2.0		0.10	0.20
Demolition Area 1	MW-240M2	MW-240M2_S26	125.00	135.00	04/20/2026	SW6850	Perchlorate	0.16	J	µg/L	2.0		0.10	0.20
Demolition Area 1	MW-662D	MW-662D_S26	202.30	212.30	04/16/2026	SW6850	Perchlorate	0.45		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-663D	MW-663D_S26	240.60	250.60	04/15/2026	SW6850	Perchlorate	0.76		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-663D	MW-663D_S26	240.60	250.60	04/15/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.14	J	µg/L	0.97		0.10	0.21
Demolition Area 1	MW-663D	MW-663D_S26D	240.60	250.60	04/15/2026	SW6850	Perchlorate	0.77		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-231M2	MW-231M2_S26	165.50	175.50	04/15/2026	SW6850	Perchlorate	0.11	J	µg/L	2.0		0.10	0.20
Demolition Area 1	MW-231M1	MW-231M1_S26	210.50	220.50	04/15/2026	SW6850	Perchlorate	0.34		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-211M1	MW-211M1_S26	200.00	210.00	04/14/2026	SW6850	Perchlorate	0.66		µg/L	2.0		0.10	0.20
Demolition Area 1	MW-341M2	MW-341M2_S26	264.50	269.50	04/14/2026	SW6850	Perchlorate	0.11	J	µg/L	2.0		0.10	0.20
Demolition Area 1	MW-31S	MW-31S_S26	98.00	103.00	04/09/2026	SW8330B	2,4,6-Trinitrotoluene	0.20	J	µg/L	2.0		0.042	0.21
Demolition Area 1	MW-31S	MW-31S_S26	98.00	103.00	04/09/2026	SW8330B	2-Amino-4,6-dinitrotoluene	0.12	J	µg/L	7.3		0.052	1.1
Demolition Area 1	MW-31S	MW-31S_S26	98.00	103.00	04/09/2026	SW8330B	4-Amino-2,6-dinitrotoluene	0.10	J	µg/L	7.3		0.062	0.21
Demolition Area 1	MW-31S	MW-31S_S26	98.00	103.00	04/09/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.78		µg/L	0.97		0.10	0.21
Demolition Area 1	MW-31S	MW-31S_S26	98.00	103.00	04/09/2026	SW8330B	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.22		µg/L	400		0.097	0.21
Demolition Area 1	MW-31M	MW-31M_S26	113.00	123.00	04/09/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.64	J	µg/L	0.97		0.10	0.21
Demolition Area 1	MW-19S	MW-19S_S26	38.00	48.00	04/09/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.67		µg/L	0.97		0.11	0.22
Demolition Area 1	MW-19S	MW-19S_S26	38.00	48.00	04/09/2026	SW8330B	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.14	J	µg/L	400		0.10	0.22

J = Estimated Result
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RL = Reporting Limit
ND = Non-Detect

RC= Regulatory Criteria (MCL,HA,MMCL,RSL)

**TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
Data Received 01 to 31 May 2026**

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	RC	> RC	MDL	RL
Demolition Area 1	MW-19S	MW-19S_S26D	38.00	48.00	04/09/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.52		µg/L	0.97		0.11	0.22
Demolition Area 1	MW-19S	MW-19S_S26D	38.00	48.00	04/09/2026	SW8330B	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.16	J	µg/L	400		0.10	0.22

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