

**MONTHLY PROGRESS REPORT #353
FOR AUGUST 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 August 2026.

1. SUMMARY OF REMEDIATION ACTIONS

Remediation Actions (RA) Underway at Camp Edwards as of 31 August 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 currently 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 28 August 2026, over 476.5 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 (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 (ETR) system currently includes two extraction wells, an ex-situ treatment process to remove explosives compounds and perchlorate from the groundwater, and two 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 28 August 2026, over 2.488 billion gallons of water have been treated and re-injected. The following MTU E and F system shutdowns occurred in the reporting period:

- 1600 on 11 August 2026 Unit E tripped with no alarm and was restarted at 0840 on 12 August 2026.

- 2132 on 21 August 2026 Unit F tripped. It was determined that the PLC program would need to be reinstalled before the MTU could be restarted. The PLC program was reinstalled and the MTU was restarted at 1138 on 26 August 2026.

The Northern Treatment Building G was turned off with regulatory approval on 31 August 2026. Over 1.903 billion gallons of water were treated during the RA. No other MTU G system shutdowns occurred in the reporting period.

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 ETR system currently includes 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 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 28 August 2026, over 2.091 billion gallons of water have been treated. No MTU H and I shutdowns occurred in the reporting period.

MTU J continues to operate at a flow rate of 90 gpm with over 979.1 million gallons of water treated as of 28 August 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 currently 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 28 August 2026, over 2.111 billion gallons of water have been treated. The following J-3 system shutdowns occurred in the reporting period:

- 1343 on 04 August 2026 due to a high sump alarm due to water being flushed into the sump for a carbon exchange at FS-12 and was restarted at 0750 on 05 August 2026.
- 2017 on 07 August 2026 due to FS-12 being off and was restarted at 0809 on 10 August 2026.
- 0830 on 10 August 2026 due to FS-12 being off and was restarted at 1129 on 10 August 2026.
- 1630 on 10 August 2026 due to FS-12 being off and was restarted at 0620 on 11 August 2026.
- 1729 on 17 August 2026 due to FS-12 being off and was restarted at 0841 on 18 August 2026.

- 0150 on 22 August 2026 due to FS-12 being off and was restarted at 1020 on 24 August 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 currently 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 28 August 2026, over 919.8 million gallons of water have been treated and re-injected. No shutdowns occurred in the reporting period.

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 currently 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. The flow rate at J1NEW0001 was increased from 85 gpm to 105 gpm and the flow rate at J1NEW0002 was reduced from 165 to 145 gpm on 14 April 2026 due to an overtemp alarm at J1NEW0002. The system will continue running at a combined flow rate of 250 gpm with J2NEW0001 running at 105 gpm and J1NEW0002 running at 145 gpm until further notice.

As of 28 August 2026, over 1.645 billion gallons of water have been treated and re-injected. The following J-1 Range Northern MTU shutdowns occurred in the reporting period:

- 1104 on 21 August 2026 the system was turned off due to a leak on the influent line. There is a crack in the tee fitting before the IX#1 vessel. The system will remain off until a section of 4-inch schedule 80 pipe between the bag filter housing and the IX #1 vessel can be replaced.

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 currently 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 28 August 2026, over 4.466 billion gallons of water have been treated. The following CIA shutdowns occurred in the reporting period:

- 1846 on 03 August 2026 at CIA-1 due to a floor sump alarm due to a broken camlock on the GAC#3 influent line. A new camlock and hose were installed and CIA-1 was restarted at 0806 on 04 August 2026.
- 1603 on 11 August 2026 at CIA-3 due to a VFD fault alarm and CIA-3 was restarted at 0810 on 13 August 2026.

2. SUMMARY OF ACTIONS TAKEN**Operable Unit (OU) Activity as of 28 August 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

- No activity

Demolition Area 2

- No activity

J-1 Range

- No activity

J-2 Range

- Groundwater sampling within the J-2 Range Eastern SPM Program

J-3 Range

- No activity.

L Range

- No activity

Small Arms Ranges

- 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 16 July 2026**Project and Fieldwork Update**

Darrin Smith (USACE) provided the project and fieldwork update. The J-3 annual groundwater sampling event (SPM) was completed on Jul 29th. The J-2 East annual SPM event began July 30th and is expected to run through the last week in August. The J-2 North annual SPM event is expected to begin in early September.

The July operations and maintenance (O&M) sampling results are currently pending and expected next week. Sampling was initially completed on July 9th, but some systems needed to be resampled per the recommendation of the chemist due to a FedEx delivery delay of the original samples. The August Monthly O&M sampling began on August 3rd and should be completed by the end of the week.

Carbon media was changed out at CIA-1 on July 16th based on June O&M sampling where RDX was reported above the 0.25 µg/L action limit at a concentration of 0.26 µg/L. All of the active systems are currently up and running.

Document and Project Tracking

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

J-3 Range Annual Environmental Monitoring Report Presentation

Chris Kilbridge (USACE) provided a presentation on the J-3 Range Annual Environmental Monitoring Report (EMR) for the reporting period September 2024 through August 2025. Mr. Kilbridge (USACE) displayed a figure showing the J-3 Range and the two identified plumes: RDX, which is contoured to the EPA Risk Screening Level (RSL) of 0.97 µg/L and perchlorate, which is contoured to the Massachusetts Maximum Contaminant Level (MMCL) of 2.0 µg/L. He pointed out the J-3 source area in the middle of the site, near the base boundary.

Mr. Kilbridge (USACE) reviewed the J-3 Range extraction treatment and reinjection system performance statistics. The system uptime during the reporting period was 97.5%, and the total uptime since overall system startup is 91.53%. There was no breakthrough or media

changeouts during the reporting period. Influent concentrations ranged from 0.12 to 0.22 µg/L for RDX, 0.1 µg/L to 0.14 for HMX, and 0.36 to 0.47 µg/L for perchlorate.

During the reporting period, 122 million gallons were treated. Cumulatively, nearly 2 billion gallons have been treated since system startup back in August of 2006. During the reporting period, 0.15 pounds of RDX and 0.43 pounds of perchlorate were removed. Negligible levels of HMX were removed. Since system startup, 7.47 pounds of RDX, 3.48 pounds of HMX, and 41.89 pounds of perchlorate, have been removed. Mr. Kilbridge (USACE) noted there's very little remaining plume to remove.

This is corroborated by multiple lines of evidence, such as the declining annual rate of removal. Graphs of the system influent trends and mass removal trends were displayed. Sampling locations, groundwater monitoring results, and trends were reviewed and discussed. There were 44 well screens sampled for perchlorate with results ranging from ND to 4.4 µg/L (MW-163MS). There were no exceedances during this reporting period of the perchlorate EPA Health Advisory (HA) level of 15 µg/L. There was one exceedance of the MMCL of 2.0 µg/L (MW-163MS), and there were three results above 1.0 µg/L (MW-392M2, MW-637M2, J3EWIP2). Mr. Kilbridge (USACE) showed a figure with perchlorate concentration trends in the J-3 wells.

There were 41 well screens sampled for RDX with results ranging from ND to 1.7 µg/L (90MW004). There were no exceedances during this reporting period of the RDX EPA Health Advisory (HA) level of 2 µg/L. There was one detection above the RSL of 0.97 µg/L (MW-163S and MW-193S), and there were four exceedances above the former EPA risk-based concentration (RBC) level of 0.6 µg/L. Mr. Kilbridge (USACE) explained that the current extent of the RDX mass is located off base and very little remains at the site. Mr. Kilbridge (USACE) showed a figure with RDX concentration trends in the J-3 wells and a cross-sectional view of the RDX plume.

Mr. Kilbridge (USACE) noted that Snake Pond had been sampled for almost 23 years at three locations to document any potential impacts to environmental receptors due to off-site migration or off-base migration of the perchlorate or RDX plumes. There were no exceedances of the perchlorate threshold or the RDX threshold. Because of the lack of exceedances, and in agreement with the EPA, MassDEP, and the Sandwich Board of Health, sampling was discontinued in 2024 at Snake Pond. Surface water samples were collected from two locations during a sampling event in June 2024. All explosives samples were non-detect, and perchlorate was non-detect to J-values. The results are consistent with past reporting periods.

Mr. Kilbridge (USACE) showed a map of contoured synoptic water level samples taken on July 14th. The overall water levels were about 2.5 – 3.0 feet lower than in 2024, which is a common cyclical trend. Groundwater flow is north to south and converging near extraction wells and capturing the majority of plume mass. The extent of the measured capture zone matches the observed capture zone.

Mr. Kilbridge (USACE) showed a figure of the modeled capture zones under 2025 system stresses. He explained that the predicted capture zones were developed with reverse particle tracking and they are very similar to the observed capture. He noted that the existing treatment systems adequately capture the plumes. Measured vs. model-predicted perchlorate figures were shown.

Mr. Kilbridge (USACE) continued with the measured vs. model-predicted for perchlorate. The model predicted the small, off-base plumelets of perchlorate that are in the low-permeability zone, essentially the bottom of the aquifer, with higher transmissivity and higher conductivity, which has historically transported the majority of the plume. Mr. Kilbridge (USACE) noted that the model did not predict the upgradient concentrations in the vicinity of MW-163S, which were actually measured this year. He stated that this reflects oscillating patterns, and is not unusual in one or two wells in the late stages of groundwater restoration.

Mr. Kilbridge (USACE) continued with the measured vs. model-predicted for RDX. The transport model predicted that RDX would be below 0.97 µg/L. He noted it can be very hard to get an exact comparison when remaining concentrations are so low. The recent measured concentration of 1.7 µg/L reflects a similar oscillating pattern and is expected to be captured. Mr. Kilbridge (USACE) showed model vs. predicted graphs for RDX and perchlorate concentrations at each of the extraction wells since system startup (J3EW1P1, J3EW1P2, J3EW0032, and J3EW0001). Concentrations are all declining and are predicted to remain below the cleanup thresholds.

Table 7.1 in the report, which depicts a comparison to Decision Document (DD) criteria, was reviewed. The DD predicted that perchlorate would be below 2.0 µg/L by 2022 in the high permeability zone of the aquifer and 2039 in the low permeability (low K Zones) zone of the aquifer. The DD predicted RDX would be below 0.6 µg/L by 2022 in the high permeability zone of the aquifer and 2033 in the low K Zones. Table 7.1 was updated to reflect the RSL of 0.97 µg/L for RDX. The current predicted cleanup times using the most recent plume shell update are 2026 in the high permeable zone and 2037 in the low K zone. The model included a representation of those two small masses of perchlorate located off-base, despite uncertainty that they are actually there, and predicts they'll attenuate by 2037. Mr. Kilbridge (USACE) reiterated that the plumelets are relatively in the unproductive part of the aquifer and based only on model prediction.

The migration of the perchlorate plumes after 2026 under 2025 stresses was discussed, and a graph was displayed. The plume to the east of J3EW0032 has limited downgradient migration. The plume downgradient of J3EW0032 has negligible downgradient migration.

Recommendations were reviewed and discussed. There were no suggested changes to plant operations, sampling, wellfield extraction rates, hydraulic monitoring, or chemical monitoring network at this time. The reductions to the sampling network approved in the 2023 EMR were implemented during the 2025 summer annual sampling event. Figures with comparisons of the current plume extents and the "worst case" representation was displayed.

Len Pinaud (MassDEP) commented that he was surprised there wasn't a recommendation to shut off extraction wells even though there does not appear to be a benefit to the operation of 90EW-1 and EWIP-1 with concentrations at ND. Mr. Kilbridge (USACE) agreed that Mr. Pinaud (MassDEP) makes a good point and that will be reviewed for the next report.

Mr. Pinaud (MassDEP) noted that shutting down those two wells would not change the plume contours significantly. Mr. Kilbridge (USACE) noted that there are some mechanical flow constraints and that should be analyzed.

Jessica Crispin (MassDEP) asked if there are wells in the area of the predicted plumelets at appropriate locations and depth. Mr. Kilbridge (USACE) stated that because the area is off-

base, the well locations in the area are not precisely located to measure those plumelets, but they are close by. Downgradient wells were sampled until recently, and there were no elevated levels. He showed a figure of the plume extents shrinking dramatically over the years, and noted there had been no detections at Snake Pond for many years of sampling. It would have been expected that any elevated concentrations would have mingled in Snake Pond on the upgradient north side before discharging to the downgradient south side. He noted that in 2025, there were no elevated concentrations, and he added that it is believed the aquifer can handle any attenuation if there were any elevated levels.

Next Tech Meeting: September 10, 2026**JBCC Cleanup Team Meeting**

The next JBCC Cleanup Team (JBCCCT) meeting will be held on 16 September 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.

3. SUMMARY OF DATA RECEIVED

Table 1 summarizes sampling for all media from 01 to 31 August 2026. Table 2 summarizes the validated detections of explosives compounds and perchlorate for all groundwater results received from 01 to 31 August 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 31 August 2026. Table 3 PFAS results are compared to the Regional Screening Levels (RSLs) published by EPA in November 2023.

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:

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|---|----------------|
| • Final J-3 Range Environmental Monitoring Report for September 2023 through August 2024 | 12 August 2026 |
| • Response to Comments on the Draft J-1 Range Northern EMR for January 2024 through December 2024 | 12 August 2026 |
| • Final L Range Demonstration of Compliance Report | 14 August 2026 |
| • Response to Comments on the Draft Uniform Federal Policy Quality Assurance Project Plan | 20 August 2026 |

5. SCHEDULED ACTIONS

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

- Draft J-3 Range EMR for September 2024 through August 2025
- Draft Monitoring Well Abandonment Memorandum
- Draft Demolition Area 1 EMR for July 2025 through June 2026
- Draft Central Impact Area EMR for July 2025 through June 2026
- FINAL Uniform Federal Policy Quality Assurance Project Plan
- Final J-2 Range Northern EMR for November 2024 through October 2025
- Final J-1 Range Northern EMR for January 2024 through December 2024

TABLE 1
Sampling Progress: 01 to 31 August 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	J2MW-01M2	J2MW-01M2_F26	N	08/25/2026	Ground Water	245.00	255.00
J2 Range Eastern	J2MW-02M2	J2MW-02M2_F26	N	08/25/2026	Ground Water	236.00	246.00
J2 Range Eastern	J2MW-02M1	J2MW-02M1_F26	N	08/25/2026	Ground Water	271.00	281.00
J2 Range Eastern	MW-170M1	MW-170M1_F26	N	08/25/2026	Ground Water	265.00	275.00
J2 Range Eastern	MW-57D	MW-57D_F26	N	08/24/2026	Ground Water	213.00	223.00
J2 Range Eastern	MW-627M1	MW-627M1_F26	N	08/24/2026	Ground Water	269.50	279.50
J2 Range Eastern	MW-324M2	MW-324M2_F26	N	08/24/2026	Ground Water	203.74	214.74
J2 Range Eastern	MW-324M1	MW-324M1_F26	N	08/24/2026	Ground Water	234.85	244.85
J2 Range Eastern	MW-339M1	MW-339M1_F26	N	08/20/2026	Ground Water	233.00	243.00
J2 Range Eastern	MW-368M3	MW-368M3_F26	N	08/20/2026	Ground Water	155.50	165.50
J2 Range Eastern	MW-368M2	MW-368M2_F26	N	08/20/2026	Ground Water	202.73	212.73
J2 Range Eastern	MW-368M1	MW-368M1_F26	N	08/20/2026	Ground Water	237.35	247.35
J2 Range Eastern	MW-368M1	MW-368M1_F26D	FD	08/20/2026	Ground Water	237.35	247.35
J2 Range Eastern	MW-705M2	MW-705M2_F26	N	08/19/2026	Ground Water	185.90	195.90
J2 Range Eastern	MW-705M2	MW-705M2_F26D	FD	08/19/2026	Ground Water	185.90	195.90
J2 Range Eastern	MW-705M1	MW-705M1_F26	N	08/19/2026	Ground Water	209.70	219.70
J2 Range Eastern	MW-665M3	MW-665M3_F26	N	08/19/2026	Ground Water	175.20	185.20
J2 Range Eastern	MW-665M2	MW-665M2_F26	N	08/19/2026	Ground Water	205.20	215.20
J2 Range Eastern	MW-665M2	MW-665M2_F26D	FD	08/19/2026	Ground Water	205.20	215.20
J2 Range Eastern	MW-709S	MW-709S_F26	N	08/13/2026	Ground Water	106.20	116.20
J2 Range Eastern	MW-708S	MW-708S_F26	N	08/13/2026	Ground Water	107.70	117.70
J2 Range Eastern	MW-707S	MW-707S_F26	MS	08/13/2026	Ground Water	110.30	120.30
J2 Range Eastern	MW-707S	MW-707S_F26	N	08/13/2026	Ground Water	110.30	120.30
J2 Range Eastern	MW-707S	MW-707S_F26	SD	08/13/2026	Ground Water	110.30	120.30
J2 Range Eastern	MW-706S	MW-706S_F26	N	08/13/2026	Ground Water	112.70	122.70
J2 Range Eastern	MW-228S	MW-228S_F26	N	08/11/2026	Ground Water	104.00	114.00
J2 Range Eastern	MW-116S	MW-116S_F26	N	08/11/2026	Ground Water	103.00	113.70
J2 Range Eastern	MW-154S	MW-154S_F26	N	08/11/2026	Ground Water	98.00	108.00

N = Normal Sample
FD = Field Duplicate

TABLE 1
Sampling Progress: 01 to 31 August 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	MW-307M3	MW-307M3_F26	N	08/11/2026	Ground Water	125.80	135.82
J2 Range Eastern	MW-685M1	MW-685M1_F26	N	08/10/2026	Ground Water	166.20	176.20
J2 Range Eastern	MW-668M1	MW-668M1_F26	N	08/10/2026	Ground Water	168.70	178.70
J2 Range Eastern	MW-215M2	MW-215M2_F26	N	08/10/2026	Ground Water	205.00	215.00
J2 Range Eastern	MW-215M1	MW-215M1_F26	N	08/10/2026	Ground Water	240.00	250.00
J3 Range	J3-EFF	J3-EFF-239A	N	08/06/2026	Process Water	0.00	0.00
J3 Range	J3-MID-2	J3-MID-2-239A	N	08/06/2026	Process Water	0.00	0.00
J3 Range	J3-MID-1	J3-MID-1-239A	N	08/06/2026	Process Water	0.00	0.00
J3 Range	J3-INF	J3-INF-239A	N	08/06/2026	Process Water	0.00	0.00
Demolition Area 1	D1-EFF	D1-EFF-193A	N	08/06/2026	Process Water	0.00	0.00
Demolition Area 1	D1-MID-2	D1-MID-2-193A	N	08/06/2026	Process Water	0.00	0.00
Demolition Area 1	D1-MID-1	D1-MID-1-193A	N	08/06/2026	Process Water	0.00	0.00
Demolition Area 1	D1-INF	D1-INF-193A	N	08/06/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-EFF-J	J2E-EFF-J-215A	N	08/05/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-2J	J2E-MID-2J-215A	N	08/05/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-1J	J2E-MID-1J-215A	N	08/05/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-INF-J	J2E-INF-J-215A	N	08/05/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-2H	J2E-MID-2H-215A	N	08/05/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-1H	J2E-MID-1H-215A	N	08/05/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-EFF-IH	J2E-EFF-IH-215A	N	08/05/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-2I	J2E-MID-2I-215A	N	08/05/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-MID-1I	J2E-MID-1I-215A	N	08/05/2026	Process Water	0.00	0.00
J2 Range Eastern	J2E-INF-I	J2E-INF-I-215A	N	08/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA1-EFF	CIA1-EFF-151A	N	08/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA1-MID2	CIA1-MID2-151A	N	08/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA1-MID1	CIA1-MID1-151A	N	08/05/2026	Process Water	0.00	0.00
Central Impact Area	CIA1-INF	CIA1-INF-151A	N	08/05/2026	Process Water	0.00	0.00
J2 Range Eastern	MW-667M2	MW-667M2_F26	N	08/04/2026	Ground Water	277.30	287.30

N = Normal Sample
FD = Field Duplicate

TABLE 1
Sampling Progress: 01 to 31 August 2026

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
J1 Range Southern	J1S-EFF	J1S-EFF-225A	N	08/04/2026	Process Water	0.00	0.00
J1 Range Southern	J1S-MID	J1S-MID-225A	N	08/04/2026	Process Water	0.00	0.00
J1 Range Southern	J1S-INF-2	J1S-INF-2-225A	N	08/04/2026	Process Water	0.00	0.00
J2 Range Eastern	MW-667M1	MW-667M1_F26	N	08/04/2026	Ground Water	302.30	312.30
Central Impact Area	CIA2-EFF	CIA2-EFF-151A	N	08/04/2026	Process Water	0.00	0.00
Central Impact Area	CIA2-MID2	CIA2-MID2-151A	N	08/04/2026	Process Water	0.00	0.00
Central Impact Area	CIA2-MID1	CIA2-MID1-151A	N	08/04/2026	Process Water	0.00	0.00
Central Impact Area	CIA2-INF	CIA2-INF-151A	N	08/04/2026	Process Water	0.00	0.00
J2 Range Eastern	MW-393D	MW-393D_F26	N	08/04/2026	Ground Water	313.56	323.56
Central Impact Area	CIA3-EFF	CIA3-EFF-122A	N	08/04/2026	Process Water	0.00	0.00
Central Impact Area	CIA3-MID2	CIA3-MID2-122A	N	08/04/2026	Process Water	0.00	0.00
Central Impact Area	CIA3-MID1	CIA3-MID1-122A	N	08/04/2026	Process Water	0.00	0.00
Central Impact Area	CIA3-INF	CIA3-INF-122A	N	08/04/2026	Process Water	0.00	0.00
J2 Range Eastern	MW-436M1	MW-436M1_F26	N	08/04/2026	Ground Water	295.47	305.47
J2 Range Eastern	MW-366M1	MW-366M1_F26	N	08/03/2026	Ground Water	215.00	225.00
J2 Range Eastern	MW-321M2	MW-321M2_F26	N	08/03/2026	Ground Water	155.67	165.67
J2 Range Eastern	MW-321M1	MW-321M1_F26	N	08/03/2026	Ground Water	174.61	184.61
J2 Range Northern	J2N-EFF-G	J2N-EFF-G-239A	N	08/03/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-MID-1G	J2N-MID-1G-239A	N	08/03/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-INF-G	J2N-INF-G-239A	N	08/03/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-MID-2F	J2N-MID-2F-239A	N	08/03/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-MID-1F	J2N-MID-1F-239A	N	08/03/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-EFF-EF	J2N-EFF-EF-239A	N	08/03/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-MID-2E	J2N-MID-2E-239A	N	08/03/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-MID-1E	J2N-MID-1E-239A	N	08/03/2026	Process Water	0.00	0.00
J2 Range Northern	J2N-INF-EF	J2N-INF-EF-239A	N	08/03/2026	Process Water	0.00	0.00
J1 Range Northern	J1N-EFF	J1N-EFF-154A	N	08/03/2026	Process Water	0.00	0.00
J2 Range Eastern	MW-357M1	MW-357M1_F26	N	08/03/2026	Ground Water	274.50	284.50

N = Normal Sample
FD = Field Duplicate

TABLE 1
Sampling Progress: 01 to 31 August 2026

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
J1 Range Northern	J1N-MID2	J1N-MID2-154A	N	08/03/2026	Process Water	0.00	0.00
J1 Range Northern	J1N-MID1	J1N-MID1-154A	N	08/03/2026	Process Water	0.00	0.00
J1 Range Northern	J1N-INF2	J1N-INF2-154A	N	08/03/2026	Process Water	0.00	0.00

N = Normal Sample
FD = Field Duplicate

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
Data Received 01 to 31 August 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
J3 Range	MW-232M2	MW-232M2_F26	61.00	66.00	07/16/2026	SW6850	Perchlorate	0.19	J	µg/L	2.0		0.10	0.20
J3 Range	MW-232M1	MW-232M1_F26	77.50	82.50	07/16/2026	SW6850	Perchlorate	0.11	J	µg/L	2.0		0.10	0.20
J3 Range	MW-232M1	MW-232M1_F26D	77.50	82.50	07/16/2026	SW6850	Perchlorate	0.13	J	µg/L	2.0		0.10	0.20
J3 Range	MW-250M3	MW-250M3_F26	95.00	105.00	07/15/2026	SW6850	Perchlorate	0.11	J	µg/L	2.0		0.10	0.20
J3 Range	MW-250M2	MW-250M2_F26	145.00	155.00	07/15/2026	SW6850	Perchlorate	0.17	J	µg/L	2.0		0.10	0.20
J3 Range	MW-361M2	MW-361M2_F26	104.09	114.09	07/14/2026	SW8330B	1,3-Dinitrobenzene	0.63		µg/L	1.0		0.066	0.21
J3 Range	MW-361M2	MW-361M2_F26D	104.09	114.09	07/14/2026	SW8330B	1,3-Dinitrobenzene	0.68		µg/L	1.0		0.065	0.21
J3 Range	MW-637M2	MW-637M2_F26	214.10	224.10	07/14/2026	SW6850	Perchlorate	1.4		µg/L	2.0		0.10	0.20
J3 Range	MW-637M2	MW-637M2_F26	214.10	224.10	07/14/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.43		µg/L	0.97		0.10	0.21
J3 Range	MW-247M2	MW-247M2_F26	125.00	135.00	07/13/2026	SW6850	Perchlorate	0.39		µg/L	2.0		0.10	0.20
J3 Range	90MW0054	90MW0054_F26	107.00	112.00	07/13/2026	SW6850	Perchlorate	0.11	J	µg/L	2.0		0.10	0.20
J3 Range	90MW0054	90MW0054_F26	107.00	112.00	07/13/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.66		µg/L	0.97		0.10	0.21
J3 Range	90MW0054	90MW0054_F26	107.00	112.00	07/13/2026	SW8330B	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.19	J	µg/L	400		0.098	0.21
J3 Range	90MW0054	90MW0054_F26D	107.00	112.00	07/13/2026	SW6850	Perchlorate	0.45	J	µg/L	2.0		0.10	0.20
J3 Range	90MW0054	90MW0054_F26D	107.00	112.00	07/13/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.68		µg/L	0.97		0.10	0.21
J3 Range	90MW0054	90MW0054_F26D	107.00	112.00	07/13/2026	SW8330B	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.21		µg/L	400		0.096	0.21
J3 Range	J3-MW-1-B	J3-MW-1-B_F26	175.61	185.61	07/07/2026	SW6850	Perchlorate	0.50		µg/L	2.0		0.10	0.20
J3 Range	MW-343M1	MW-343M1_F26	214.80	224.80	07/06/2026	SW6850	Perchlorate	0.20		µg/L	2.0		0.10	0.20
J3 Range	MW-329M2	MW-329M2_F26	150.05	160.05	07/06/2026	SW6850	Perchlorate	1.8		µg/L	2.0		0.10	0.20
J3 Range	MW-329M1	MW-329M1_F26	179.96	189.96	07/06/2026	SW6850	Perchlorate	0.50		µg/L	2.0		0.10	0.20
J3 Range	MW-163S	MW-163S_F26	38.00	48.00	06/30/2026	SW6850	Perchlorate	1.6		µg/L	2.0		0.10	0.20
J3 Range	MW-163S	MW-163S_F26	38.00	48.00	06/30/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.7		µg/L	0.97	X	0.11	0.22
J3 Range	MW-163S	MW-163S_F26	38.00	48.00	06/30/2026	SW8330B	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.19	J	µg/L	400		0.10	0.22
J3 Range	MW-163S	MW-163S_F26D	38.00	48.00	06/30/2026	SW6850	Perchlorate	1.8		µg/L	2.0		0.10	0.20
J3 Range	MW-163S	MW-163S_F26D	38.00	48.00	06/30/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.6		µg/L	0.97	X	0.11	0.22
J3 Range	MW-163S	MW-163S_F26D	38.00	48.00	06/30/2026	SW8330B	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.15	J	µg/L	400		0.10	0.22
J3 Range	MW-198M4	MW-198M4_F26	70.00	75.00	06/30/2026	SW6850	Perchlorate	0.80		µg/L	2.0		0.10	0.20
J3 Range	MW-198M4	MW-198M4_F26	70.00	75.00	06/30/2026	SW8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.61		µg/L	0.97		0.11	0.23

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 August 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
J3 Range	MW-198M3	MW-198M3_F26	100.00	105.00	06/30/2026	SW6850	Perchlorate	0.29		µg/L	2.0		0.10	0.20
J3 Range	MW-198M2	MW-198M2_F26	120.00	125.00	06/30/2026	SW6850	Perchlorate	0.25		µg/L	2.0		0.10	0.20

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

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

TABLE 3
VALIDATED PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) RESULTS
Data Received 01 to 31 August 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	MCL/HA	> MCL/HA	MDL	RL
J2 Range Northern	J2N-EFF-F	J2N-EFF-F_S26	0.00	0.00	05/07/2026	E1633	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	11.0		ng/L			0.82	3.3
J2 Range Northern	J2N-EFF-F	J2N-EFF-F_S26	0.00	0.00	05/07/2026	E1633	Perfluoroheptanoic acid (PFHpA)	0.57	J	ng/L	20.0		0.41	1.6
J2 Range Northern	J2N-EFF-F	J2N-EFF-F_S26	0.00	0.00	05/07/2026	E1633	Perfluorohexanoic acid (PFHxA)	0.76	J	ng/L	990		0.41	1.6
J2 Range Northern	J2N-EFF-F	J2N-EFF-F_S26	0.00	0.00	05/07/2026	E1633	Perfluorooctanoic acid (PFOA)	2.4		ng/L	6.0		0.41	1.6
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26D	0.00	0.00	05/07/2026	E1633	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	5.3		ng/L			0.81	3.2
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26D	0.00	0.00	05/07/2026	E1633	Perfluoroheptanesulfonic acid (PFHpS)	0.43	J	ng/L			0.41	1.6
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26D	0.00	0.00	05/07/2026	E1633	Perfluorohexanesulfonic acid (PFHxS)	3.4		ng/L	20.0		0.41	1.6
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26D	0.00	0.00	05/07/2026	E1633	Perfluorooctanesulfonic acid (PFOS)	8.0		ng/L	4.0	X	0.41	1.6
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26D	0.00	0.00	05/07/2026	E1633	Perfluorooctanoic acid (PFOA)	1.6		ng/L	6.0		0.41	1.6
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26	0.00	0.00	05/07/2026	E1633	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	5.7		ng/L			0.82	3.3
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26	0.00	0.00	05/07/2026	E1633	Perfluoroheptanesulfonic acid (PFHpS)	0.50	J	ng/L			0.41	1.6
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26	0.00	0.00	05/07/2026	E1633	Perfluorohexanesulfonic acid (PFHxS)	3.5		ng/L	20.0		0.41	1.6
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26	0.00	0.00	05/07/2026	E1633	Perfluorooctanesulfonic acid (PFOS)	8.5		ng/L	4.0	X	0.41	1.6
J2 Range Northern	J2N-INF-F	J2N-INF-F_S26	0.00	0.00	05/07/2026	E1633	Perfluorooctanoic acid (PFOA)	1.5	J	ng/L	6.0		0.41	1.6
J2 Range Northern	MW-330M2	MW-330M2_S26	238.01	248.04	05/07/2026	E1633	Perfluorodecanoic acid (PFDA)	2.3		ng/L	20.0		0.40	1.6
J2 Range Northern	MW-330M2	MW-330M2_S26	238.01	248.04	05/07/2026	E1633	Perfluorononanoic acid (PFNA)	4.9		ng/L	5.9		0.40	1.6
J2 Range Northern	MW-330M2	MW-330M2_S26	238.01	248.04	05/07/2026	E1633	Perfluoroundecanoic acid (PFUnA)	1.9		ng/L	600		0.40	1.6

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

MCL/HA= Either the MCL or Lowest Health Advisory Limit