

**MONTHLY PROGRESS REPORT #243
FOR JUNE 2017**

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 1 June to 30 June 2017.

1. SUMMARY OF REMEDIATION ACTIONS

The following is a description of Remediation Actions (RA) underway at Camp Edwards as of June 2017.

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, Pew Road, Base Boundary, and the Leading Edge include extraction wells, ex-situ treatment processes 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 gpm, with over 2.497 billion gallons of water treated and re-injected as of 30 June 2017. The following Frank Perkins Road facility shut downs occurred in June:

- Shut down at 0830 on 1 June 2017 for a programming update and was restarted at 1258 on 1 June 2017;
- EW-501 was turned off at 1334 on 1 June 2017 due to a programming issue and was restarted at 0720 on 2 June 2017;
- EW-658 shut down at 2007 on 1 June 2017 due to a system alarm and was restarted at 0720 on 2 June 2017; and
- EW-502 was started at 1000 on 26 June 2017 to sample the extraction well. The pump was run at 100 gpm until 1030 on 26 June 2017, resulting in 3,000 gallons of water purged.

The Pew Road Mobile Treatment Unit (MTU) continues to operate at a flow rate of 103 gpm with over 525 million gallons of water treated and re-injected as of 30 June 2017. The following Pew Road MTU shut downs occurred in June:

- Shut down at 1743 on 2 June 2017 (no alarm) due to a power interruption and was restarted at 0815 on 5 June 2017; and
- Shut down at 0656 on 27 June 2017 (no alarm) due to a power interruption and was restarted at 0719 on 27 June 2017.

The Base Boundary RA is operating at a flow rate of 65 gpm with over 168.5 million gallons of water treated and re-injected as of 30 June 2017. No Base Boundary MTU shut downs occurred in June.

The Leading Edge system continues to operate at a flow rate of 100 gpm with over 50.6 million gallons of water treated and re-injected as of 30 June 2017. The following Leading Edge system shut downs occurred in June:

- Shut down at 1400 on 21 June 2017 due to a power interruption and was restarted at 1451 on 21 June 2017; and
- Shut down at 1032 on 30 June 2017 due to a power interruption and was restarted at 1135 on 30 June 2017.

J-1 Range Groundwater RA

Southern Plant

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, 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 30 June 2017, over 408.2 million gallons of water have been treated and re-injected. No J-1 Range Southern system shut downs occurred in June.

Northern Plant

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, 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 30 June 2017, over 420.4 million gallons of water have been treated and re-injected. No J-1 Range Northern MTU shut downs occurred in June.

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, ex-situ treatment process to remove explosives compounds and perchlorate from the groundwater and use of the existing Fuel Spill-12 (FS-12) infiltration gallery to return treated water to the aquifer.

The J-3 system was operating continues to operate at a flow rate of 255 gpm. As of 30 June 2017, over 1.026 billion gallons of water have been treated and re-injected. The following J-3 Range system shut downs occurred in June:

- Shut down at 0402 on 5 June 2017 due to a system alarm and was restarted at 1011 on 5 June 2017; and
- Shut down at 1100 on 27 June 2017 to drain IX vessels #1 and #2 for resin change out on 29 June 2017 and was restarted at 0920 on 30 June 2017.

J-2 Range Groundwater RA

Northern Plant

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, 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 Treatment Building continues to operate at a flow rate of 225 gpm. As of 30 June 2017, over 880.4 million gallons of water have been treated and re-injected. No Northern Treatment Building shut downs occurred in June.

The Northern MTUs E and F continue to operate at a flow rate of 250 gpm. As of 30 June 2017, over 1.378 billion gallons of water have been treated and re-injected. The following J-2 Range Northern MTU shut downs occurred in June:

- MTU E shut down at 1540 on 2 June 2017 due to a power interruptions and was restarted at 0807 on 5 June 2017;
- MTU E shut down at 1359 on 21 June 2017 due to a power interruption and was restarted at 1439 on 21 June 2017; and
- MTU E shut down at 1039 on 30 June 2017 due to a power interruption and was restarted at 1258 on 30 June 2017.

Eastern Plant

The J-2 Range Eastern Treatment facility 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 will enter the vadose zone and infiltrate 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 30 June 2017, over 962.7 million gallons of water have been treated and re-injected. The following MTU H and I shut down occurred in June:

- MTUs H and I tripped at 0624 on 9 June 2017 due to a system alarm; "Floor Sump" due to a leak in the pressure gauge in the Unit I LAG GAC vessel. MTUs H and I were restarted at 0754 on 9 June 2017 after replacing the leading pressure gauge.

MTU J continues to operate at a flow rate of 120 gpm. As of 30 June 2017, over 435.9 million gallons of water have been treated and re-injected. The following shut down of MTU J occurred in June:

- MTU J shut down at 1540 on 2 June 2017 (no alarm) due to a power interruption and was restarted at 0731 on 5 June 2017.

MTU K continues to operate at a flow rate of 125 gpm. As of 30 June 2017, over 546.4 million gallons of water have been treated and re-injected. No shut downs of MTU K occurred in June.

Central Impact Area RA

The Central Impact Area (CIA) Groundwater treatment facility 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 (IX) resin and granular activated carbon (GAC) 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 30 June 2017, over 988.9 million gallons of water have been treated and re-injected. The following CIA treatment facility shut downs occurred in June:

- System 3 shut down at 1401 on 21 June 2017 due to a power interruption and was restarted at 0725 on 22 June 2017;
- System 2 shut down at 1557 on 24 June 2017 due to a system alarm and was restarted at 0850 on 26 June 2017; and
- System 2 was turned off at 0920 on 27 June 2017 to drain effluent line and GAC vessels #3 and #6 for carbon change out on 29 June 2017, and was restarted at 0800 on 30 June 2017.

SUMMARY OF ACTIONS TAKEN

Samples collected during the reporting period are summarized in Table 1.

Process water samples were collected at Frank Perkins Road, Pew Road, Base Boundary, Leading Edge, J-1 Range Southern, J-1 Range Northern, J-2 Range Northern, J-2 Range Eastern, J-3 Range, and Central Impact Area (CIA).

Environmental and system performance monitoring groundwater samples were collected at Demolition Area 1, Northwest Corner, CIA, J-1 Range Northern, Small Arms Ranges, and CS-10 (ARNG).

Environmental soil samples were collected from D Range and CIA.

Performed daily inspection of BEM cover at the CIA to ensure cover is secure and intact.

Performed BEM soil excavation and screening.

Completed Collection of cued Metalmapper data and anomaly investigation in Ph II Area 3 at the CIA and commenced demobilization of Metalmapper equipment.

Completed drilling of CIA2 injection well pilot boring.

Continued programming telemetry.

Continued transportation and disposal (T&D) of excavated soil at the Small Arms Ranges and Training Areas.

JBCC IAGWSP Tech Update Meeting Minutes 15 June 2017**Project and Fieldwork Update**

Crews finished installing the new CIA2 injection well pilot boring. It was drilled to a depth of 367' and grain size samples were collected over the bottom 180'. Data should be available by the end of the month and USACE will write up a design for Watermark to install. IAGWSP will provide a project note to document the change in system design for the record. AECOM will mobilize to the site on July 17 to complete the four additional drive points for the J-1 Southern investigation. The GA/GB well has been sampled and data is pending.

In the Small Arms Ranges work is ongoing at three ranges. Additional lifts are required at the stockpile at D Range (3rd lift), Former B Range (7th lift at 2 grids) and C Range (9th lift at one grid). Samples were collected in early June from the location of the rollover, results are pending.

In the Central Impact Area, the Metal Mapper Crew is operating in Phase II Area 3. They have two new grids to complete and then go back and recollect at locations where QA had questions. It is estimated that they will finish by the end of June. Dawson is performing digs in Area 3 and working on firebreaks on the west side of Barlow Road, the south side of Wood Road and in areas L5 and L6. The team has coordinated with AFCEC and none of their work on the Old K Range will interfere with firebreak clearance activities. EPA and MassDEP will provide their pick for the location of the next 100% grid.

An update was provided on the BEM. Samples were collected from the center of the structure and results are pending. IAGWSP will provide an addendum to the last project note to propose reconstruction. IAGSWP noted that they had held a meeting with officials from the Town of Falmouth to discuss perchlorate treatment technologies and gave them a tour of IAGWSP Frank Perkins and CIA-2 treatment facilities.

Action Items

The action items were discussed and updated.

JBCC IAGWSP Tech Update Meeting Minutes 30 June 2017**Project and Fieldwork Update**

The J-1 Range Southern drive point drilling is scheduled to begin on July 17th. There are four drive point locations; all have been approved and staked. Large trees will be avoided during vegetation clearance. A drill rig will likely be mobilized in the fall and the team should start to consider potential well locations. There will most likely be a couple of locations for permanent wells based on drive point results. An update was provided on the CIA2 injection well. During the collection of grain size samples, an error was made at the lab resulting in the samples being unusable. The team will remobilize to the site on July 10th to redo the boring and collect new samples which may delay the screen design by about a month but, based on previous information, they don't anticipate any problems putting in an injection well that will be capable of handling 250 gallons per minute. Groundwater sampling crews are finishing annual sampling in Demolition Area 1.

In the Small Arms Ranges work is ongoing at three ranges. Additional lifts are required at the stockpile at D Range, Former B Range and C Range. Samples were collected in early June from the location of the rollover, results showed lead at 150 ppm. The stockpile of 110 yards of hazardous soil at the B Range should go off-site next week.

In the Central Impact Area, the Metal Mapper Crew completed II Area 3. They will be breaking down the Metal Mapper equipment in July and returning it to Baltimore and Huntsville. Dawson is performing digs in Area 3 and working on firebreaks. MassDEP named 61-57 as the pick for the location of the next 100% grid, IAGWSP will send an email to EPA to confirm. USACE is working on contract actions for the next phase of work in the CIA.

An update was provided on the BEM. Samples were collected from the center of the structure and results were non-detect for explosives and showed perchlorate at 795 ppb. After the samples were collected, the BEM was cleared to its original depth and approximately one foot of material where the sample was collected was removed. IAGWSP plans to collect MIS samples from the entire base of the BEM and will provide an addendum to the last project note to propose reconstruction.

Action Items

The action items were discussed and updated.

JBCC Cleanup Team Meeting

The next meeting of the JBCC Cleanup Team (JBCCCT), formerly the MMR Cleanup Team (MMRCT) has not been scheduled. 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.

SUMMARY OF DATA RECEIVED

Table 2 summarizes the validated detections of explosives compounds and perchlorate for all groundwater results received from 1 June to 30 June 2017. 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.

There are currently twelve operable units (OU) under investigation and cleanup at Camp Edwards. The OUs include: Central Impact Area, Demolition Area 1, Demolition Area 2, Former A Range, J-1 Range, J-2 Range, J-3 Range, L Range, Northwest Corner, Small Arms Ranges, Training Areas, and Western Boundary. 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).

2. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

- Monthly Progress Report No. 242 for May 2017 6/10/2017
- Changes to the J-3 Range Chemical Monitoring Well Network – Project Note 6/27/2017
- Draft Five Year Review 2012-2016 6/30/2017
- Final Former A Range Demonstration of Compliance Report 6/30/2017

3. SCHEDULED ACTIONS

The following documents are being prepared or revised during July 2017:

- Training Areas Draft Investigation Report;
- Training Areas Draft Remedy Selection Plan;
- CIA Draft Startup Report;
- 2016 CIA Source Removal Annual Report;
- Draft 2016 BIP Report;
- J-3 Range Confirmatory Geophysical and Soil Investigation Report;
- J-1 Range Northern and J-1 Range Southern 2017 Annual Environmental Monitoring Report;
- L Range 2017 Annual Environmental Monitoring Report;
- Five Year Review Report; and
- Small Arms Ranges 2017 Annual Environmental Monitoring Report

TABLE 1
Sampling Progress: 1 June to 30 June 2017

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
Northwest Corner	MW-344M2	MW-344M2_S17	N	06/29/2017	Ground Water	145	155
Northwest Corner	MW-344M2	MW-344M2_S17D	FD	06/29/2017	Ground Water	145	155
Northwest Corner	MW-277S	MW-277S_S17	N	06/29/2017	Ground Water	102	112
Northwest Corner	MW-278S	MW-278S_S17	N	06/29/2017	Ground Water	80	90
Northwest Corner	MW-278M2	MW-278M2_S17	N	06/29/2017	Ground Water	97	102
Northwest Corner	MW-278M1	MW-278M1_S17	N	06/29/2017	Ground Water	113	123
Northwest Corner	MW-279S	MW-279S_S17	N	06/28/2017	Ground Water	66	76
Northwest Corner	MW-279M2	MW-279M2_S17	N	06/28/2017	Ground Water	83	88
Northwest Corner	MW-270M1	MW-270M1_S17	N	06/28/2017	Ground Water	74	79
Demolition Area 1	MW-545M4	MW-545M4_S17	N	06/28/2017	Ground Water	72	82
Demolition Area 1	MW-545M3	MW-545M3_S17	N	06/28/2017	Ground Water	101.5	111.5
Demolition Area 1	MW-545M2	MW-545M2_S17	N	06/28/2017	Ground Water	142	152
Demolition Area 1	MW-545M1	MW-545M1_S17	N	06/28/2017	Ground Water	162	172
Demolition Area 1	MW-571M1	MW-571M1_S17	N	06/27/2017	Ground Water	114	124
Demolition Area 1	MW-659M2	MW-659M2_S17	N	06/27/2017	Ground Water	85	95
Demolition Area 1	MW-659M1	MW-659M1_S17	N	06/27/2017	Ground Water	120	130
Demolition Area 1	MW-641M2	MW-641M2_S17	N	06/27/2017	Ground Water	86.2	96.2
Demolition Area 1	MW-641M1	MW-641M1_S17	N	06/27/2017	Ground Water	113.2	123.2
Demolition Area 1	MW-642M2	MW-642M2_S17	N	06/27/2017	Ground Water	77.3	87.3
Demolition Area 1	MW-642M1	MW-642M1_S17	N	06/27/2017	Ground Water	104.3	114.3
Demolition Area 1	MW-558M2	MW-558M2_S17	N	06/26/2017	Ground Water	98	108
Demolition Area 1	MW-558M1	MW-558M1_S17	N	06/26/2017	Ground Water	134	144
Demolition Area 1	MW-559M2	MW-559M2_S17	N	06/26/2017	Ground Water	87	97
Demolition Area 1	MW-559M1	MW-559M1_S17	N	06/26/2017	Ground Water	135.6	145.6
Demolition Area 1	MW-432	MW-432_S17	N	06/26/2017	Ground Water	88	188
Demolition Area 1	MW-554M2	MW-554M2_S17	N	06/26/2017	Ground Water	89.1	99.1
Demolition Area 1	MW-554M1	MW-554M1_S17	N	06/26/2017	Ground Water	120	130
Demolition Area 1	MW-554M1	MW-554M1_S17D	FD	06/26/2017	Ground Water	120	130
B Range	MW-537M1	MW-537M1_S17R	N	06/22/2017	Ground Water	106	116
B Range	MW-537M1	MW-537M1_S17F	N	06/22/2017	Ground Water	106	116
Demolition Area 1	MW-571M2	MW-571M2_S17	N	06/21/2017	Ground Water	74	84
Demolition Area 1	MW-571M1	MW-571M1_S17	N	06/21/2017	Ground Water	114	124
Demolition Area 1	MW-569M2	MW-569M2_S17	N	06/21/2017	Ground Water	84	94
Demolition Area 1	MW-569M1	MW-569M1_S17	N	06/21/2017	Ground Water	114	124
Demolition Area 1	MW-569M1	MW-569M1_S17D	FD	06/21/2017	Ground Water	114	124
Demolition Area 1	MW-582M2	MW-582M2_S17	N	06/21/2017	Ground Water	84	94
Demolition Area 1	MW-582M1	MW-582M1_S17	N	06/21/2017	Ground Water	134	144
Demolition Area 1	MW-582M1	MW-582M1_S17D	FD	06/21/2017	Ground Water	134	144
Demolition Area 1	MW-556M2	MW-556M2_S17	N	06/20/2017	Ground Water	111	121
Demolition Area 1	MW-556M1	MW-556M1_S17	N	06/20/2017	Ground Water	153	163
Demolition Area 1	MW-610M2	MW-610M2_S17	N	06/20/2017	Ground Water	85	95
Demolition Area 1	MW-610M1	MW-610M1_S17	N	06/20/2017	Ground Water	110	120
Demolition Area 1	MW-598M2	MW-598M2_S17	N	06/20/2017	Ground Water	88	98
Demolition Area 1	MW-598M1	MW-598M1_S17	N	06/20/2017	Ground Water	122	132
Demolition Area 1	MW-546M2	MW-546M2_S17	N	06/19/2017	Ground Water	100	110
Demolition Area 1	MW-546M1	MW-546M1_S17	N	06/19/2017	Ground Water	140	150
Demolition Area 1	MW-597M2	MW-597M2_S17	N	06/19/2017	Ground Water	118	128
Demolition Area 1	MW-597M1	MW-597M1_S17	N	06/19/2017	Ground Water	148	158
Demolition Area 1	MW-353M2	MW-353M2_S17	N	06/19/2017	Ground Water	57	67
Demolition Area 1	MW-353M1	MW-353M1_S17	N	06/19/2017	Ground Water	107	117
Demolition Area 1	MW-431	MW-431_S17	N	06/15/2017	Ground Water	88	188
Demolition Area 1	EW-658	EW-658_S17	N	06/15/2017	Ground Water	96	136
Demolition Area 1	EW-658	EW-658_S17D	FD	06/15/2017	Ground Water	96	136
Central Impact Area	MW-686M2	MW-686M2_S17	N	06/15/2017	Ground Water	194.3	204.3
Central Impact Area	MW-686M1	MW-686M1_S17	N	06/15/2017	Ground Water	243.2	253.2
Central Impact Area	MW-687M2	MW-687M2_S17	N	06/15/2017	Ground Water	188	198
Central Impact Area	MW-687M1	MW-687M1_S17	N	06/15/2017	Ground Water	232.6	242.6
J1 Range Northern	MW-688M2	MW-688M2_S17	N	06/14/2017	Ground Water	227.8	237.8

TABLE 1
Sampling Progress: 1 June to 30 June 2017

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	MW-688M1	MW-688M1_S17	N	06/14/2017	Ground Water	255.2	265.2
J1 Range Northern	MW-689M2	MW-689M2_S17	N	06/14/2017	Ground Water	231.4	241.4
J1 Range Northern	MW-689M1	MW-689M1_S17	N	06/14/2017	Ground Water	253.5	263.5
CS-10 (ARNG)	03MW0709	03MW0709_S17	N	06/13/2017	Ground Water	82.1	87.1
GA Range	MW-690S	MW-690S_S17	N	06/13/2017	Ground Water	99.2	109.2
Demolition Area 1	MW-352M1	MW-352M1_S17	N	06/12/2017	Ground Water	115	125
Demolition Area 1	MW-611M2	MW-611M2_S17	N	06/08/2017	Ground Water	91	101
Demolition Area 1	MW-611M1	MW-611M1_S17	N	06/08/2017	Ground Water	141	151
J1 Range Southern	J1S-EFF	J1S-EFF-115A	N	06/08/2017	Process Water	0	0
J1 Range Southern	J1S-MID-2	J1S-MID-2-115A	N	06/08/2017	Process Water	0	0
J1 Range Southern	J1S-INF-2	J1S-INF-2-115A	N	06/08/2017	Process Water	0	0
Northwest Corner	RSNW06	RSNW06_S17	N	06/08/2017	Ground Water	0	0
Demolition Area 1	PR-EFF	PR-EFF-135A	N	06/08/2017	Process Water	0	0
Demolition Area 1	PR-MID-2	PR-MID-2-135A	N	06/08/2017	Process Water	0	0
Demolition Area 1	PR-MID-1	PR-MID-1-135A	N	06/08/2017	Process Water	0	0
Demolition Area 1	PR-INF	PR-INF-135A	N	06/08/2017	Process Water	0	0
Central Impact Area	MW-638M2	MW-638M2_S17	N	06/08/2017	Ground Water	204.2	214.2
Demolition Area 1	FPR-2-EFF-A	FPR-2-EFF-A-135A	N	06/08/2017	Process Water	0	0
Demolition Area 1	FPR-2-GAC-MID1A	FPR-2-GAC-MID1A-135A	N	06/08/2017	Process Water	0	0
Demolition Area 1	FPR-2-POST-IX-A	FPR-2-POST-IX-A-135A	N	06/08/2017	Process Water	0	0
Demolition Area 1	FPR-2-INF	FPR-2-INF-135A	N	06/08/2017	Process Water	0	0
Central Impact Area	MW-638M1	MW-638M1_S17	N	06/08/2017	Ground Water	261.2	271.2
Demolition Area 1	D1-EFF	D1-EFF-83A	N	06/08/2017	Process Water	0	0
Demolition Area 1	D1-MID-2	D1-MID-2-83A	N	06/08/2017	Process Water	0	0
Demolition Area 1	D1-MID-1	D1-MID-1-83A	N	06/08/2017	Process Water	0	0
Demolition Area 1	D1-INF	D1-INF-83A	N	06/08/2017	Process Water	0	0
Demolition Area 1	D1LE-EFF	D1LE-EFF-11A	N	06/08/2017	Process Water	0	0
Demolition Area 1	D1LE-MID2	D1LE-MID2-11A	N	06/08/2017	Process Water	0	0
Demolition Area 1	D1LE-MID1	D1LE-MID1-11A	N	06/08/2017	Process Water	0	0
Demolition Area 1	D1LE-INF	D1LE-INF-11A	N	06/08/2017	Process Water	0	0
Central Impact Area	MW-629M2	MW-629M2_S17	N	06/08/2017	Ground Water	186.9	196.9
Central Impact Area	MW-629M1	MW-629M1_S17	N	06/07/2017	Ground Water	216.9	226.9
Central Impact Area	MW-629M1	MW-629M1_S17D	FD	06/07/2017	Ground Water	216.9	226.9
J3 Range	J3-EFF	J3-EFF-129A	N	06/07/2017	Process Water	0	0
J3 Range	J3-MID-2	J3-MID-2-129A	N	06/07/2017	Process Water	0	0
J3 Range	J3-MID-1	J3-MID-1-129A	N	06/07/2017	Process Water	0	0
J3 Range	J3-INF	J3-INF-129A	N	06/07/2017	Process Water	0	0
Central Impact Area	MW-223M2	MW-223M2_S17	N	06/07/2017	Ground Water	185	195
J2 Range Eastern	J2E-EFF-K	J2E-EFF-K-105A	N	06/07/2017	Process Water	0	0
J2 Range Eastern	J2E-MID-2K	J2E-MID-2K-105A	N	06/07/2017	Process Water	0	0
J2 Range Eastern	J2E-MID-1K	J2E-MID-1K-105A	N	06/07/2017	Process Water	0	0
J2 Range Eastern	J2E-INF-K	J2E-INF-K-105A	N	06/07/2017	Process Water	0	0
Central Impact Area	MW-223M1	MW-223M1_S17	N	06/07/2017	Ground Water	211	221
J2 Range Eastern	J2E-EFF-J	J2E-EFF-J-105A	N	06/07/2017	Process Water	0	0
J2 Range Eastern	J2E-MID-2J	J2E-MID-2J-105A	N	06/07/2017	Process Water	0	0
J2 Range Eastern	J2E-MID-1J	J2E-MID-1J-105A	N	06/07/2017	Process Water	0	0
J2 Range Eastern	J2E-INF-J	J2E-INF-J-105A	N	06/07/2017	Process Water	0	0
Central Impact Area	MW-223D	MW-223D_S17	N	06/07/2017	Ground Water	260	270
Central Impact Area	MW-607M3	MW-607M3_S17	N	06/07/2017	Ground Water	157.4	167.4
J1 Range Northern	J1N-EFF	J1N-EFF-44A	N	06/07/2017	Process Water	0	0
J1 Range Northern	J1N-MID2	J1N-MID2-44A	N	06/07/2017	Process Water	0	0
J1 Range Northern	J1N-MID1	J1N-MID1-44A	N	06/07/2017	Process Water	0	0
J1 Range Northern	J1N-INF2	J1N-INF2-44A	N	06/07/2017	Process Water	0	0
Central Impact Area	MW-607M2	MW-607M2_S17	N	06/07/2017	Ground Water	177.4	187.4
Central Impact Area	MW-607M2	MW-607M2_S17D	FD	06/07/2017	Ground Water	177.4	187.4
J2 Range Eastern	J2E-EFF-IH	J2E-EFF-IH-105A	N	06/07/2017	Process Water	0	0
J2 Range Eastern	J2E-MID-2H	J2E-MID-2H-105A	N	06/07/2017	Process Water	0	0
J2 Range Eastern	J2E-MID-1H	J2E-MID-1H-105A	N	06/07/2017	Process Water	0	0

TABLE 1
Sampling Progress: 1 June to 30 June 2017

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-2I	J2E-MID-2I-105A	N	06/07/2017	Process Water	0	0
J2 Range Eastern	J2E-MID-1I	J2E-MID-1I-105A	N	06/07/2017	Process Water	0	0
J2 Range Eastern	J2E-INF-I	J2E-INF-I-105A	N	06/07/2017	Process Water	0	0
Central Impact Area	MW-607M1	MW-607M1_S17	N	06/06/2017	Ground Water	207.4	217.4
D Range	SSCIA4907	D158_1A_ROLLOVER	N	06/06/2017	Soil	0	0.17
J2 Range Northern	J2N-EFF-EF	J2N-EFF-EF-129A	N	06/06/2017	Process Water	0	0
J2 Range Northern	J2N-MID-2F	J2N-MID-2F-129A	N	06/06/2017	Process Water	0	0
J2 Range Northern	J2N-MID-1F	J2N-MID-1F-129A	N	06/06/2017	Process Water	0	0
J2 Range Northern	J2N-INF-EF	J2N-INF-EF-129A	N	06/06/2017	Process Water	0	0
J2 Range Northern	J2N-MID-2E	J2N-MID-2E-129A	N	06/06/2017	Process Water	0	0
J2 Range Northern	J2N-MID-1E	J2N-MID-1E-129A	N	06/06/2017	Process Water	0	0
Central Impact Area	MW-608M4	MW-608M4_S17	N	06/06/2017	Ground Water	185.4	195.4
J2 Range Northern	J2N-EFF-G	J2N-EFF-G-129A	N	06/06/2017	Process Water	0	0
Central Impact Area	MW-608M3	MW-608M3_S17	N	06/06/2017	Ground Water	220.4	230.4
J2 Range Northern	J2N-MID-2G	J2N-MID-2G-129A	N	06/06/2017	Process Water	0	0
J2 Range Northern	J2N-MID-1G	J2N-MID-1G-129A	N	06/06/2017	Process Water	0	0
J2 Range Northern	J2N-INF-G	J2N-INF-G-129A	N	06/06/2017	Process Water	0	0
Central Impact Area	MW-608M2	MW-608M2_S17	N	06/06/2017	Ground Water	253.4	263.4
Central Impact Area	MW-608M2	MW-608M2_S17D	FD	06/06/2017	Ground Water	253.4	263.4
Central Impact Area	CIA2-EFF	CIA2-EFF-41A	N	06/06/2017	Process Water	0	0
Central Impact Area	CIA2-MID2	CIA2-MID2-41A	N	06/06/2017	Process Water	0	0
Central Impact Area	CIA2-MID1	CIA2-MID1-41A	N	06/06/2017	Process Water	0	0
Central Impact Area	CIA2-INF	CIA2-INF-41A	N	06/06/2017	Process Water	0	0
Central Impact Area	CIA1-EFF	CIA1-EFF-41A	N	06/06/2017	Process Water	0	0
Central Impact Area	CIA1-MID2	CIA1-MID2-41A	N	06/06/2017	Process Water	0	0
Central Impact Area	MW-608M1	MW-608M1_S17	N	06/06/2017	Ground Water	267.4	277.4
Central Impact Area	MW-608M1	MW-608M1_S17D	FD	06/06/2017	Ground Water	267.4	277.4
Central Impact Area	CIA1-MID1	CIA1-MID1-41A	N	06/06/2017	Process Water	0	0
Central Impact Area	CIA1-INF	CIA1-INF-41A	N	06/06/2017	Process Water	0	0
Central Impact Area	CIA3-EFF	CIA3-EFF-12A	N	06/06/2017	Process Water	0	0
Central Impact Area	CIA3-MID2	CIA3-MID2-12A	N	06/06/2017	Process Water	0	0
Central Impact Area	CIA3-MID1	CIA3-MID1-12A	N	06/06/2017	Process Water	0	0
Central Impact Area	CIA3-INF	CIA3-INF-12A	N	06/06/2017	Process Water	0	0
Demolition Area 1	MW-533M1	MW-533M1_S17	N	06/05/2017	Ground Water	160	170
Demolition Area 1	MW-531M1	MW-531M1_S17	N	06/05/2017	Ground Water	138	148
Demolition Area 1	MW-542M1	MW-542M1_S17	N	06/05/2017	Ground Water	144	154
Demolition Area 1	MW-532M2	MW-532M2_S17	N	06/05/2017	Ground Water	138	148
Demolition Area 1	MW-532M1	MW-532M1_S17	N	06/05/2017	Ground Water	168	178
Central Impact Area	SSCIACSL03	CIA-BEM-D	N	06/01/2017	Soil	0	3
Demolition Area 1	MW-274	MW-274_S17	N	06/01/2017	Ground Water	109	199
Demolition Area 1	MW-433	MW-433_S17	N	06/01/2017	Ground Water	180.2	190.2
Demolition Area 1	MW-248M3	MW-248M3_S17	N	06/01/2017	Ground Water	143	153
Demolition Area 1	MW-248M2	MW-248M2_S17	N	06/01/2017	Ground Water	178	188
Demolition Area 1	MW-248M1	MW-248M1_S17	N	06/01/2017	Ground Water	216.3	226.3

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
 Data Received June 2017

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-664M2	MW-664M2_R2	218.5	228.5	05/22/2017	SW6850	Perchlorate	0.043	J	ug/L	2.0		0.019	0.20
Demolition Area 1	MW-663D	MW-663D_R2	240.6	250.6	05/22/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.51		ug/L	0.60		0.025	0.20
Demolition Area 1	MW-663D	MW-663D_R2	240.6	250.6	05/22/2017	SW6850	Perchlorate	19.3		ug/L	2.0	X	0.019	0.20
Demolition Area 1	MW-663D	MW-663D_R2D	240.6	250.6	05/22/2017	SW6850	Perchlorate	19.0		ug/L	2.0	X	0.019	0.20
Demolition Area 1	MW-662D	MW-662D_R2	202.3	212.3	05/22/2017	SW6850	Perchlorate	0.50		ug/L	2.0		0.019	0.20
Demolition Area 1	MW-543M2	MW-543M2_S17	91.8	101.8	05/17/2017	SW6850	Perchlorate	0.075	J	ug/L	2.0		0.019	0.20
Demolition Area 1	MW-543M1	MW-543M1_S17	127	137	05/17/2017	SW6850	Perchlorate	0.14	J	ug/L	2.0		0.019	0.20
Demolition Area 1	MW-544M3	MW-544M3_S17	77.5	87.5	05/17/2017	SW6850	Perchlorate	0.083	J	ug/L	2.0		0.019	0.20
Demolition Area 1	MW-544M2	MW-544M2_S17	112	122	05/17/2017	SW6850	Perchlorate	0.93		ug/L	2.0		0.019	0.20
Demolition Area 1	MW-544M1	MW-544M1_S17	162	172	05/17/2017	SW6850	Perchlorate	1.9		ug/L	2.0		0.019	0.20
Demolition Area 1	MW-544M1	MW-544M1_S17D	162	172	05/17/2017	SW6850	Perchlorate	1.9		ug/L	2.0		0.019	0.20
Demolition Area 1	XX9514	XX9514_S17	102	112	05/17/2017	SW6850	Perchlorate	2.8		ug/L	2.0	X	0.019	0.20
Demolition Area 1	MW-76M2	MW-76M2_S17	105	115	05/11/2017	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.30		ug/L	400		0.019	0.20
Demolition Area 1	MW-76M2	MW-76M2_S17D	105	115	05/11/2017	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.33	J	ug/L	400		0.019	0.20
Demolition Area 1	MW-77M2	MW-77M2_S17	120	130	05/11/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.48		ug/L	0.60		0.025	0.20
Demolition Area 1	MW-77M2	MW-77M2_S17	120	130	05/11/2017	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.97		ug/L	400		0.019	0.20
Demolition Area 1	MW-77M2	MW-77M2_S17D	120	130	05/11/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.44		ug/L	0.60		0.025	0.20
Demolition Area 1	MW-77M2	MW-77M2_S17D	120	130	05/11/2017	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.89		ug/L	400		0.019	0.20
Demolition Area 2	MW-573M2	MW-573M2_S17	155.4	165.4	05/04/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.76		ug/L	0.60	X	0.025	0.20
Demolition Area 2	MW-573M2	MW-573M2_S17D	155.4	165.4	05/04/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.76		ug/L	0.60	X	0.025	0.20
Western Boundary	4036000-03G	4036000-03G_17Q1	50	60	04/28/2017	SW6850	Perchlorate	0.14	J	ug/L	2.0		0.019	0.20
Demolition Area 2	MW-161S	MW-161S_S17	145.5	155.5	04/27/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.39		ug/L	0.60		0.025	0.20
Demolition Area 2	MW-161S	MW-161S_S17D	145.5	155.5	04/27/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.40		ug/L	0.60		0.025	0.20
J1 Range Northern	MW-303M3	MW-303M3_S17	139.7	149.7	04/27/2017	SW6850	Perchlorate	0.054	J	ug/L	2.0		0.019	0.20
J1 Range Northern	MW-303M3	MW-303M3_S17	139.7	149.7	04/27/2017	SW8330	4-Amino-2,6-dinitrotoluene	0.31		ug/L	7.3		0.023	0.20
J1 Range Northern	MW-303M2	MW-303M2_S17	235.1	245.1	04/27/2017	SW6850	Perchlorate	0.042	J	ug/L	2.0		0.019	0.20
J1 Range Northern	MW-303M2	MW-303M2_S17	235.1	245.1	04/27/2017	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	3.2		ug/L	400		0.019	0.20
J1 Range Northern	MW-303M2	MW-303M2_S17	235.1	245.1	04/27/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	8.1		ug/L	0.60	X	0.025	0.20
J1 Range Northern	MW-370M2	MW-370M2_S17	215.5	225.5	04/27/2017	SW6850	Perchlorate	0.032	J	ug/L	2.0		0.019	0.20
J1 Range Northern	MW-370M1	MW-370M1_S17	245	255	04/27/2017	SW6850	Perchlorate	6.9		ug/L	2.0	X	0.019	0.20
J1 Range Northern	MW-564M1	MW-564M1_S17	227	237	04/26/2017	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.38	J	ug/L	400		0.019	0.20
J1 Range Northern	MW-564M1	MW-564M1_S17	227	237	04/26/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	2.7		ug/L	0.60	X	0.025	0.20
J1 Range Northern	MW-564M1	MW-564M1_S17	227	237	04/26/2017	SW6850	Perchlorate	31.1		ug/L	2.0	X	0.19	2.0
J1 Range Northern	MW-564M1	MW-564M1_S17D	227	237	04/26/2017	SW6850	Perchlorate	29.7		ug/L	2.0	X	0.19	2.0
J1 Range Northern	MW-549M2	MW-549M2_S17	187.3	197.3	04/26/2017	SW6850	Perchlorate	0.035	J	ug/L	2.0		0.019	0.20
J1 Range Northern	MW-549M1	MW-549M1_S17	227.4	237.4	04/26/2017	SW6850	Perchlorate	2.4		ug/L	2.0	X	0.019	0.20
J1 Range Northern	MW-541M1	MW-541M1_S17	210	220	04/26/2017	SW6850	Perchlorate	0.037	J	ug/L	2.0		0.019	0.20
J1 Range Northern	MW-430M2	MW-430M2_S17	188.4	198.4	04/26/2017	SW6850	Perchlorate	0.33		ug/L	2.0		0.019	0.20
J1 Range Northern	MW-430M1	MW-430M1_S17	245.2	255.2	04/26/2017	SW6850	Perchlorate	0.020	J	ug/L	2.0		0.019	0.20
J1 Range Northern	MW-606M2	MW-606M2_S17	193.2	203.2	04/25/2017	SW6850	Perchlorate	0.038	J	ug/L	2.0		0.019	0.20

J = Estimated Result
 MDL = Method Detection Limit
 RL = Reporting Limit

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
 Data Received June 2017

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
J1 Range Northern	MW-401M3	MW-401M3_S17	228.5	238.5	04/25/2017	SW6850	Perchlorate	0.048	J	ug/L	2.0		0.019	0.20
J1 Range Northern	J1N-INF1B	J1N-INF1B_S17	200	250	04/25/2017	SW6850	Perchlorate	1.1		ug/L	2.0		0.019	0.20
J1 Range Northern	J1N-INF1A	J1N-INF1A_S17	217	257	04/25/2017	SW6850	Perchlorate	0.14	J	ug/L	2.0		0.019	0.20
J1 Range Northern	MW-584M2	MW-584M2_S17	228	238	04/24/2017	SW6850	Perchlorate	0.079	J	ug/L	2.0		0.019	0.20
J1 Range Northern	MW-584M1	MW-584M1_S17	248	258	04/24/2017	SW6850	Perchlorate	3.4		ug/L	2.0	X	0.019	0.20
J1 Range Northern	MW-567M1	MW-567M1_S17	215.5	225.5	04/24/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.67		ug/L	0.60	X	0.025	0.20
J1 Range Northern	MW-567M1	MW-567M1_S17	215.5	225.5	04/24/2017	SW6850	Perchlorate	3.4		ug/L	2.0	X	0.019	0.20
J1 Range Northern	MW-567M1	MW-567M1_S17D	215.5	225.5	04/24/2017	SW6850	Perchlorate	3.3		ug/L	2.0	X	0.019	0.20
J1 Range Northern	MW-605M2	MW-605M2_S17	182.2	192.2	04/24/2017	SW6850	Perchlorate	0.038	J	ug/L	2.0		0.019	0.20
J1 Range Northern	MW-605M1	MW-605M1_S17	220.2	230.2	04/24/2017	SW6850	Perchlorate	0.028	J	ug/L	2.0		0.019	0.20
J1 Range Northern	MW-245M2	MW-245M2_S17	204	214	04/24/2017	SW6850	Perchlorate	49.8		ug/L	2.0	X	0.19	2.0
J1 Range Northern	MW-245M2	MW-245M2_S17	204	214	04/24/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	66.4		ug/L	0.60	X	0.25	2.0
J1 Range Northern	MW-245M2	MW-245M2_S17	204	214	04/24/2017	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	8.8		ug/L	400		0.019	0.20
J1 Range Northern	MW-245M2	MW-245M2_S17D	204	214	04/24/2017	SW6850	Perchlorate	49.6		ug/L	2.0	X	0.19	2.0
J1 Range Northern	MW-245M2	MW-245M2_S17D	204	214	04/24/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	69.2		ug/L	0.60	X	0.25	2.0
J1 Range Northern	MW-245M2	MW-245M2_S17D	204	214	04/24/2017	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	8.8		ug/L	400		0.019	0.20
J1 Range Northern	MW-566M1	MW-566M1_S17	232	242	04/20/2017	SW6850	Perchlorate	2.3		ug/L	2.0	X	0.019	0.20
J1 Range Northern	MW-590M2	MW-590M2_S17	238	248	04/20/2017	SW6850	Perchlorate	2.9		ug/L	2.0	X	0.019	0.20
J1 Range Northern	MW-590M1	MW-590M1_S17	258	268	04/20/2017	SW6850	Perchlorate	0.043	J	ug/L	2.0		0.019	0.20
U Range	MW-649S	MW-649S_S17	113.5	123.5	04/19/2017	SW6850	Perchlorate	0.098	J	ug/L	2.0		0.019	0.20
U Range	MW-62S	MW-62S_S17	108	118	04/19/2017	SW6850	Perchlorate	0.052	J	ug/L	2.0		0.019	0.20
B Range	MW-537M1	MW-537M1_S17	106	116	04/18/2017	SW6020A	Antimony	0.25	J	ug/L	0.60		0.18	2.0
B Range	MW-537M1	MW-537M1_S17	106	116	04/18/2017	SW6020A	Tungsten	10.2		ug/L		X	0.14	2.0
B Range	MW-537M1	MW-537M1_S17	106	116	04/18/2017	SW6010C	Copper	28.7		ug/L		X	1.7	25.0
B Range	MW-537M1	MW-537M1_S17	106	116	04/18/2017	SW6010C	Lead	69.7		ug/L	15.0	X	2.7	10.0
B Range	MW-72S	MW-72S_S17	106	116	04/18/2017	SW6020A	Antimony	0.97	J	ug/L	0.60	X	0.18	2.0
B Range	MW-72S	MW-72S_S17	106	116	04/18/2017	SW6010C	Lead	1,650	J	ug/L	15.0	X	2.7	10.0
B Range	MW-72S	MW-72S_S17	106	116	04/18/2017	SW6020A	Tungsten	25.5		ug/L		X	0.14	2.0
B Range	MW-72S	MW-72S_S17	106	116	04/18/2017	SW6010C	Copper	263	J	ug/L		X	1.7	25.0
B Range	MW-72S	MW-72S_S17D	106	116	04/18/2017	SW6020A	Antimony	0.96	J	ug/L	0.60	X	0.18	2.0
B Range	MW-72S	MW-72S_S17D	106	116	04/18/2017	SW6010C	Copper	143	J	ug/L		X	1.7	25.0
B Range	MW-72S	MW-72S_S17D	106	116	04/18/2017	SW6020A	Tungsten	20.6		ug/L		X	0.14	2.0
B Range	MW-72S	MW-72S_S17D	106	116	04/18/2017	SW6010C	Lead	744	J	ug/L	15.0	X	2.7	10.0
Central Impact Area	MW-123S	MW-123S_S17	139	149	04/17/2017	SW6010C	Copper	1.7	J	ug/L		X	1.7	25.0
Western Boundary	4036000-04G	4036000-04G_17Q1	55	65	04/13/2017	SW6850	Perchlorate	0.18	J	ug/L	2.0		0.019	0.20
Western Boundary	4036000-06G	4036000-06G_17Q1	108	128	04/13/2017	SW6850	Perchlorate	0.080	J	ug/L	2.0		0.019	0.20
Western Boundary	4036000-01G	4036000-01G_17Q1	38	70	04/13/2017	SW6850	Perchlorate	0.14	J	ug/L	2.0		0.019	0.20
G Range	MW-470S	MW-470S_S17	76.3	86.3	04/12/2017	SW6020A	Antimony	0.42	J	ug/L	0.60		0.18	2.0
Central Impact Area	MW-618M1	MW-618M1_S17	238.5	248.5	04/12/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.29		ug/L	0.60		0.025	0.20
J1 Range Southern	MW-669M2	MW-669M2_R2	201.7	211.7	04/11/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.74		ug/L	0.60	X	0.025	0.20

J = Estimated Result
 MDL = Method Detection Limit
 RL = Reporting Limit

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
Data Received June 2017

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
J1 Range Southern	MW-524M1	MW-524M1_S17	148	158	04/10/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	2.4		ug/L	0.60	X	0.025	0.20
J1 Range Southern	MW-524M1	MW-524M1_S17D	148	158	04/10/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	2.4		ug/L	0.60	X	0.025	0.20
Central Impact Area	MW-609M1	MW-609M1_S17	210.4	220.4	04/10/2017	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	2.9		ug/L	0.60	X	0.025	0.20

J = Estimated Result
 MDL = Method Detection Limit
 RL = Reporting Limit