

**MONTHLY PROGRESS REPORT #256
FOR JULY 2018**

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 2 July to 27 July 2018.

1. SUMMARY OF REMEDIATION ACTIONS

The following is a description of Remediation Actions (RA) underway at Camp Edwards as of July 2018.

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 2.575 billion gallons of water treated and re-injected as of 27 July 2018. No shut downs occurred in July.

The Pew Road Mobile Treatment Unit (MTU) is operating at a flow rate of 100 gpm (increased from 65 gpm on 18 June 2018), with over 576.2 million gallons of water treated and re-injected as of 27 July 2018. The following Pew Road MTU shut down occurred in July:

- 0738 on 18 July 2018 due to a planned JBCC power outage. The plant was restarted at 0752 on 18 July 2018.

The Base Boundary MTU is operating at a flow rate of 65 gpm with over 204.9 million gallons of water treated and re-injected as of 27 July 2018. No Base Boundary MTU shut downs occurred in July.

The Leading Edge system continues to operate at a flow rate of 100 gpm. As of 27 July 2018, over 113.3 million gallons of water treated and re-injected. No Leading Edge system shut downs occurred in July.

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 27 July 2018, over 1.021 billion gallons of water have been treated and re-injected. No Northern Treatment Building shutdowns occurred in July.

The Northern MTUs E and F continue to operate at a flow rate of 250 gpm. As of 27 July 2018, over 1.523 billion gallons of water have been treated and re-injected. No J-2 Range Northern MTU E or F shutdowns occurred in July.

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 27 July 2018, over 1.102 billion gallons of water have been treated and re-injected. No MTU H and I shutdowns occurred in July.

MTU J continues to operate at a flow rate of 120 gpm. As of 27 July 2018, over 508.0 million gallons of water have been treated and re-injected. No MTU J shutdowns occurred in July.

MTU K continues to operate at a flow rate of 125 gpm. As of 27 July 2018, over 644.0 million gallons of water have been treated and re-injected. The following MTU K shutdowns occurred in July.

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 is currently operating at a flow rate of 235 gpm (while J3EW0032 is running at 45 gpm instead of 65 gpm). As of 27 July 2018, over 1.133 billion gallons of water have been treated and re-injected. The following J-3 Range system shut down occurred in July:

- 0903 on 12 July 2018 due to FS-12 being off. The System was restarted at 1115 on 12 July 2018.

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 27 July 2018, over 490.8 million gallons of water have been treated and re-injected. No J-1 Range Southern system shut downs occurred in July.

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 27 July 2018, over 597.6 million gallons of water have been treated and re-injected. No J-1 Range Northern MTU shut downs 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 27 July 2018, over 1.437 billion gallons of water have been treated and re-injected. The following CIA treatment facility shut downs occurred in July.

- System 1 was turned off at 0800 on 10 July 2018 to drain GAC vessels #3 and #6 for carbon exchange on the 11 July 2018. The system was restarted at 0750 on 12 July 2018.
- System 1 shut down at 0738 on 18 July 2018 due to a planned JBCC power outage. The system was restarted at 0750 on 18 July 2018.
- System 2 shut down at 0738 on 18 July 2018 due to a planned JBCC power outage. The system was restarted at 0750 on 18 July 2018.

SUMMARY OF ACTIONS TAKEN

Performed routine inspections of BEM cover at the CIA to ensure cover is secure and intact.

Groundwater sampling within the J2 and J3 Range SPM program

Monitoring well drilling and installation for J2 and J3.

Vegetation and MEC surface clearance at Former E Range.

Collection of cued MetalMapper data and intrusive investigation in Phase 3 Area 1.

Annual hydraulic monitoring within the J3 Range SPM program.

Road improvements at Pew and Estey Roads and the access paths and pads at MW-245 and J3EWIP2.

Process water samples were collected from the Central Impact Area (CIA), Demolition Area 1, J-1 Range Northern, J-1 Range Southern, J-2 Range Eastern, J-2 Range Northern, and J-3 Range.

Environmental and system performance monitoring groundwater samples were collected from J-2 Range Eastern, J-2 Range Northern, and J-3 Range.

ISM surface soil sampling at Deep Bottom Pond (Training Area B-9) grids SS214A and SS214B and from Southern Landing Zone (Training Area C-15) grid SS213A.

JBCC IAGWSP Tech Update Meeting Minutes 26 July 2018

Project and Fieldwork Update

The drill rig installed MW-699 (CIA location #1 on Canal View Road), MW-705, (J-2 East location off of the P Range), MW-703 (J-2 North location that is co-located with MW-305). A screen setting call was held for MW-705 and the well was installed. The rig is currently at MW-702 (J-2 North location). Drilling is going well and moving along without any issues. A second CIA well location has been sited downgradient of the flow path of the main body of the plume between MW-628 and MW-699. The map of the proposed location will be sent to the agencies so they can provide feedback. AECOM has a tentative schedule for the installation of the J-1 South drive points. August 6th-7th they will stake the locations; August 8th-9th they will clear brush; August 13th-14th UXO clearance activities and the drill rig will mob on the 14th. The water table wells will be the last installed. The burial pit has been filled in at water table well location 2 and all well pads are ready to go. Watermark is in J-3 performing annual long-term monitoring program sampling. The treatment systems are up and running except for CIA 2 which went down and lost its programming yesterday. The programmer is on-site today and will re-install the required software and get the system restarted.

In the CIA, there is a second Metal Mapper up and running. Figures showing progress were displayed and discussed. Areas A, B and E are 100% queued data collection complete; Area D is 75% complete and Area C is approximately 5% complete. A second dig team will mobilize to the site next week.

In the Training Areas, Dawson is continuing with vegetation and surface clearance activities at the Former E Range. They are approximately halfway done. To date they have found seventeen 3.5" rockets and two 37mm mortars. All that remains is to clear and sample under the primary target at the KD Range once it is removed. Pyrotechnics sampling was conducted on July 10th and results are pending.

Result of sampling at the outwash area of the Former D Range were displayed and discussed. It was noted that the boundaries of the area were GPS surveyed and the area is approximately 4,500 square feet. The depth of the sediment was about a foot. They collected a 100 point composite at 0-3". IAGWSP would like to collect a 6-12" MIS sample and another surface sample. They will discuss internally and send a proposal to the agencies via email.

A discussion as held on recent questions about the potential for PFAS contamination at OB/OD sites. IAGWSP plans to recommend sampling at a few locations. They will provide the agencies with a project note outlining their proposal.

EPA noted that they would check into next steps for issuing a "Certificate of Compliance" for those sites that are completed; e.g. Western Boundary and Former A Range.

Action Items

Action items were discussed and updated.

JBCC Cleanup Team Meeting

The next JBCC Cleanup Team (JBCCCT) meeting has yet to be 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 1 summarizes sampling for all media from 1 July to 30 July 2018. Table 2 summarizes the validated detections of explosives compounds and perchlorate for all groundwater results received from 1 July to 31 July 2018. 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.

Twelve operable units (OU) are 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:

- Final Central Impact Area Long Term Source Area Response 07/02/2018
- Monthly Progress Report No. 255 for June 2018 07/11/2018

3. SCHEDULED ACTIONS

The following documents are being prepared or revised during July 2018:

Training Areas

- Draft Training Areas Decision Document

Annual Reports/ Environmental Monitoring Reports/Work Plans

- J-1 North and J-1 South Annual Monitoring Report
- L-Range Annual Monitoring Report

Central Impact Area

- 2017 CIA Source Removal Annual Report

Miscellaneous

- Five Year Review report
- J-3 Geophysical and Soil Technical Memorandum
- Technology evaluation and attenuation study reports

TABLE 1
Sampling Progress: 1 July to 31 July 2018

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
J3 Range	LKSNK0006	LKSNK0006_F18	N	07/30/2018	Surface Water	0	1
J3 Range	LKSNK0005	LKSNK0005_F18	N	07/30/2018	Surface Water	0	4
J3 Range	LKSNK0007	LKSNK0007_F18	N	07/30/2018	Surface Water	0	4
J3 Range	90MW0104C	90MW0104C_F18	N	07/30/2018	Ground Water	84.81	89.81
J3 Range	90MW0104B	90MW0104B_F18	N	07/30/2018	Ground Water	115	120
J2 Range Northern	BH-702	BH-702-GW-281-286	N	07/27/2018	Water	281	286
J2 Range Northern	BH-702	BH-702-GW-271-276	N	07/27/2018	Water	271	276
J2 Range Northern	BH-702	BH-702-GW-261-266D	FD	07/26/2018	Water	261	266
J2 Range Northern	BH-702	BH-702-GW-261-266	N	07/26/2018	Water	261	266
J3 Range	MW-143M3	MW-143M3_F18	N	07/26/2018	Ground Water	107	112
J2 Range Northern	BH-702	BH-702-GW-251-256	N	07/26/2018	Water	251	256
J3 Range	MW-143M2	MW-143M2_F18	N	07/26/2018	Ground Water	117	122
J3 Range	MW-143M1	MW-143M1_F18	N	07/26/2018	Ground Water	144	154
J2 Range Northern	BH-702	BH-702-GW-241-246	N	07/26/2018	Water	241	246
J2 Range Northern	BH-702	BH-702-GW-231-236	N	07/26/2018	Water	231	236
J2 Range Northern	BH-702	BH-702-GW-221-226	N	07/26/2018	Water	221	226
J2 Range Northern	BH-702	BH-702-GW-211-216	N	07/25/2018	Water	211	216
J2 Range Northern	BH-702	BH-702-GW-201-206	N	07/25/2018	Water	201	206
J3 Range	MW-144M2	MW-144M2_F18	N	07/25/2018	Ground Water	130	140
J3 Range	MW-636M2	MW-636M2_F18	N	07/25/2018	Ground Water	110.5	120.5
J3 Range	MW-636M1	MW-636M1_F18	N	07/25/2018	Ground Water	141.6	151.6
J3 Range	MW-343M2	MW-343M2_F18	N	07/25/2018	Ground Water	166.82	171.82
J3 Range	MW-343M1	MW-343M1_F18	N	07/25/2018	Ground Water	214.83	224.83
J3 Range	MW-218M3	MW-218M3_F18	N	07/24/2018	Ground Water	78	83
J3 Range	J3EWIP1	J3EWIP1_F18	N	07/24/2018	Ground Water	153	193
J3 Range	J3EWIP1	J3EWIP1_F18D	FD	07/24/2018	Ground Water	153	193
J3 Range	MW-637M3	MW-637M3_F18	N	07/24/2018	Ground Water	174.1	184.1
J3 Range	MW-637M2	MW-637M2_F18	N	07/24/2018	Ground Water	214.1	224.1
J3 Range	MW-637M2	MW-637M2_F18D	FD	07/24/2018	Ground Water	214.1	224.1
J3 Range	MW-637M1	MW-637M1_F18	N	07/24/2018	Ground Water	236.1	246.1
J3 Range	J3EWIP2	J3EWIP2_F18	N	07/23/2018	Ground Water	149.5	169.5
J3 Range	J3EWIP2	J3EWIP2_F18D	FD	07/23/2018	Ground Water	149.5	169.5
J3 Range	MW-653M2	MW-653M2_F18	N	07/23/2018	Ground Water	59.3	69.3
J3 Range	MW-653M1	MW-653M1_F18	N	07/23/2018	Ground Water	147.5	157.5
J2 Range Northern	BH-703	BH-703-GW-256-261	N	07/20/2018	Water	256	261
J2 Range Northern	BH-703	BH-703-GW-246-251	N	07/20/2018	Water	246	251
J2 Range Northern	BH-703	BH-703-GW-236-241	N	07/19/2018	Water	236	241
J2 Range Northern	BH-703	BH-703-GW-226-231D	FD	07/19/2018	Water	226	231
J2 Range Northern	BH-703	BH-703-GW-226-231	N	07/19/2018	Water	226	231
J2 Range Northern	BH-703	BH-703-GW-206-211	N	07/18/2018	Water	206	211
J3 Range	90EW0001	90EW0001_F18	N	07/18/2018	Ground Water	83.1	143.83
J3 Range	J3EW0032	J3EW0032_F18	N	07/18/2018	Ground Water	102	152
J3 Range	J3EW0032	J3EW0032_F18D	FD	07/18/2018	Ground Water	102	152
J3 Range	90MP0059B	90MP0059B_F18	N	07/18/2018	Ground Water	116.39	118.89
J2 Range Northern	BH-703	BH-703-GW-216-221	N	07/18/2018	Water	216	221
J3 Range	MW-163S	MW-163S_F18	N	07/17/2018	Ground Water	38	48
J3 Range	MW-163S	MW-163S_F18D	FD	07/17/2018	Ground Water	38	48
J3 Range	MW-359M2	MW-359M2_F18	N	07/17/2018	Ground Water	148.62	158.62
J3 Range	MW-198M4	MW-198M4_F18	N	07/17/2018	Ground Water	70	75
J3 Range	MW-198M4	MW-198M4_F18D	FD	07/17/2018	Ground Water	70	75
J3 Range	MW-198M3	MW-198M3_F18	N	07/17/2018	Ground Water	100	105
J3 Range	MW-198M2	MW-198M2_F18	N	07/17/2018	Ground Water	120	125
J3 Range	MW-198M1	MW-198M1_F18	N	07/17/2018	Ground Water	150	155
J3 Range	MW-243M2	MW-243M2_F18	N	07/16/2018	Ground Water	84.5	94.5
J3 Range	MW-243M1	MW-243M1_F18	N	07/16/2018	Ground Water	114.5	124.5
J2 Range Eastern	BH-705	BH-705-GW-266-271	N	07/16/2018	Water	266	271
J3 Range	MW-295M2	MW-295M2_F18	N	07/16/2018	Ground Water	117	127
J3 Range	MW-295M1	MW-295M1_F18	N	07/16/2018	Ground Water	145	155
J3 Range	MW-197M3	MW-197M3_F18	N	07/16/2018	Ground Water	60.2	65.2
J3 Range	MW-197M3	MW-197M3_F18D	FD	07/16/2018	Ground Water	60.2	65.2

N = Normal Sample
 FD = Field Duplicate

TABLE 1
Sampling Progress: 1 July to 31 July 2018

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
J3 Range	MW-197M2	MW-197M2_F18	N	07/16/2018	Ground Water	80.2	85.2
J2 Range Eastern	BH-705	BH-705-GW-256-261	N	07/13/2018	Water	256	261
J2 Range Eastern	BH-705	BH-705-GW-246-251	N	07/13/2018	Water	246	251
J2 Range Eastern	BH-705	BH-705-GW-236-241D	FD	07/13/2018	Water	236	241
J2 Range Eastern	BH-705	BH-705-GW-236-241	N	07/13/2018	Water	236	241
J2 Range Eastern	BH-705	BH-705-GW-226-231	N	07/12/2018	Water	226	231
J2 Range Eastern	BH-705	BH-705-GW-216-221	N	07/12/2018	Water	216	221
J3 Range	MW-232M2	MW-232M2_F18	N	07/12/2018	Ground Water	61	66
J3 Range	MW-232M1	MW-232M1_F18	N	07/12/2018	Ground Water	77.5	82.5
J2 Range Eastern	BH-705	BH-705-GW-206-211	N	07/12/2018	Water	206	211
J3 Range	MW-155M1	MW-155M1_F18	N	07/12/2018	Ground Water	124	134
J2 Range Eastern	BH-705	BH-705-GW-196-201	N	07/12/2018	Water	196	201
J3 Range	MW-576M3	MW-576M3_F18	N	07/12/2018	Ground Water	98.9	108.9
J2 Range Eastern	BH-705	BH-705-GW-186-191	N	07/12/2018	Water	186	191
J3 Range	MW-576M2	MW-576M2_F18	N	07/12/2018	Ground Water	133.9	143.9
J3 Range	MW-576M2	MW-576M2_F18D	FD	07/12/2018	Ground Water	133.9	143.9
J2 Range Eastern	BH-705	BH-705-GW-176-181D	FD	07/12/2018	Water	176	181
J2 Range Eastern	BH-705	BH-705-GW-176-181	N	07/12/2018	Water	176	181
J3 Range	MW-576M1	MW-576M1_F18	N	07/12/2018	Ground Water	173.9	183.9
J2 Range Eastern	BH-705	BH-705-GW-166-171	N	07/12/2018	Water	166	171
J2 Range Eastern	J2E-EFF-K	J2E-EFF-K-118A	N	07/11/2018	Process Water	0	0
J2 Range Eastern	J2E-MID-2K	J2E-MID-2K-118A	N	07/11/2018	Process Water	0	0
J2 Range Eastern	J2E-MID-1K	J2E-MID-1K-118A	N	07/11/2018	Process Water	0	0
J2 Range Eastern	J2E-INF-K	J2E-INF-K-118A	N	07/11/2018	Process Water	0	0
J2 Range Eastern	J2E-EFF-J	J2E-EFF-J-118A	N	07/11/2018	Process Water	0	0
J2 Range Eastern	J2E-MID-2J	J2E-MID-2J-118A	N	07/11/2018	Process Water	0	0
J2 Range Eastern	J2E-MID-1J	J2E-MID-1J-118A	N	07/11/2018	Process Water	0	0
J2 Range Eastern	J2E-INF-J	J2E-INF-J-118A	N	07/11/2018	Process Water	0	0
Demolition Area 1	PR-EFF	PR-EFF-148A	N	07/10/2018	Process Water	0	0
Demolition Area 1	PR-MID-2	PR-MID-2-148A	N	07/10/2018	Process Water	0	0
Demolition Area 1	PR-MID-1	PR-MID-1-148A	N	07/10/2018	Process Water	0	0
Demolition Area 1	PR-INF	PR-INF-148A	N	07/10/2018	Process Water	0	0
Demolition Area 1	FPR-2-EFF-A	FPR-2-EFF-A-148A	N	07/10/2018	Process Water	0	0
Demolition Area 1	FPR-2-GAC-MID1A	FPR-2-GAC-MID1A-148A	N	07/10/2018	Process Water	0	0
Demolition Area 1	FPR2-POST-IX-A	FPR2-POST-IX-A-148A	N	07/10/2018	Process Water	0	0
Demolition Area 1	FPR-2-INF	FPR-2-INF-148A	N	07/10/2018	Process Water	0	0
Demolition Area 1	D1LE-EFF	D1LE-EFF-24A	N	07/10/2018	Process Water	0	0
Demolition Area 1	D1LE-MID2	D1LE-MID2-24A	N	07/10/2018	Process Water	0	0
Demolition Area 1	D1LE-MID1	D1LE-MID1-24A	N	07/10/2018	Process Water	0	0
Demolition Area 1	D1LE-INF	D1LE-INF-24A	N	07/10/2018	Process Water	0	0
Training Area B-9	B-9_214B	MISB-9_214B-A_R2	FR	07/10/2018	Soil	0	0.25
Training Area B-9	B-9_214B	MISB-9_214B-A_R1	FR	07/10/2018	Soil	0	0.25
Demolition Area 1	D1-EFF	D1-EFF-96A	N	07/10/2018	Process Water	0	0
Demolition Area 1	D1-MID-2	D1-MID-2-96A	N	07/10/2018	Process Water	0	0
Demolition Area 1	D1-MID-1	D1-MID-1-96A	N	07/10/2018	Process Water	0	0
Demolition Area 1	D1-INF	D1-INF-96A	N	07/10/2018	Process Water	0	0
Training Area B-9	B-9_214B	MISB-9_214B-A	N	07/10/2018	Soil	0	0.25
J2 Range Northern	J2N-EFF-G	J2N-EFF-G-142A	N	07/09/2018	Process Water	0	0
J2 Range Northern	J2N-MID-2G	J2N-MID-2G-142A	N	07/09/2018	Process Water	0	0
J2 Range Northern	J2N-MID-1G	J2N-MID-1G-142A	N	07/09/2018	Process Water	0	0
J2 Range Northern	J2N-INF-G	J2N-INF-G-142A	N	07/09/2018	Process Water	0	0
J2 Range Northern	J2N-EFF-EF	J2N-EFF-EF-142A	N	07/09/2018	Process Water	0	0
J2 Range Northern	J2N-MID-2F	J2N-MID-2F-142A	N	07/09/2018	Process Water	0	0
J2 Range Northern	J2N-MID-1F	J2N-MID-1F-142A	N	07/09/2018	Process Water	0	0
J2 Range Northern	J2N-INF-EF	J2N-INF-EF-142A	N	07/09/2018	Process Water	0	0
J2 Range Northern	J2N-MID-2E	J2N-MID-2E-142A	N	07/09/2018	Process Water	0	0
J2 Range Northern	J2N-MID-1E	J2N-MID-1E-142A	N	07/09/2018	Process Water	0	0
J1 Range Northern	J1N-EFF	J1N-EFF-57A	N	07/09/2018	Process Water	0	0
J1 Range Northern	J1N-MID2	J1N-MID2-57A	N	07/09/2018	Process Water	0	0
J1 Range Northern	J1N-MID1	J1N-MID1-57A	N	07/09/2018	Process Water	0	0

N = Normal Sample
FD = Field Duplicate

TABLE 1
Sampling Progress: 1 July to 31 July 2018

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-INF2	J1N-INF2-57A	N	07/09/2018	Process Water	0	0
Training Area C-15	C-15_213	MISC-15_213-A_R2	FR	07/06/2018	Soil	0	0.25
Training Area C-15	C-15_213	MISC-15_213-A_R1	FR	07/06/2018	Soil	0	0.25
Training Area C-15	C-15_213	MISC-15_213-A	N	07/06/2018	Soil	0	0.25
J2 Range Eastern	J2E-EFF-IH	J2E-EFF-IH-118A	N	07/06/2018	Process Water	0	0
J2 Range Eastern	J2E-MID-2H	J2E-MID-2H-118A	N	07/06/2018	Process Water	0	0
J2 Range Eastern	J2E-MID-1H	J2E-MID-1H-118A	N	07/06/2018	Process Water	0	0
J2 Range Eastern	J2E-MID-2I	J2E-MID-2I-118A	N	07/06/2018	Process Water	0	0
J2 Range Eastern	J2E-MID-1I	J2E-MID-1I-118A	N	07/06/2018	Process Water	0	0
J2 Range Eastern	J2E-INF-I	J2E-INF-I-118A	N	07/06/2018	Process Water	0	0
Training Area B-9	B-9_214A	MISB-9_214A-A_R2	FR	07/06/2018	Soil	0	0.25
Training Area B-9	B-9_214A	MISB-9_214A-A_R1	FR	07/06/2018	Soil	0	0.25
Training Area B-9	B-9_214A	MISB-9_214A-A	N	07/06/2018	Soil	0	0.25
J1 Range Southern	J1S-EFF	J1S-EFF-128A	N	07/05/2018	Process Water	0	0
J1 Range Southern	J1S-MID	J1S-MID-128A	N	07/05/2018	Process Water	0	0
J1 Range Southern	J1S-INF-2	J1S-INF-2-128A	N	07/05/2018	Process Water	0	0
J3 Range	J3-EFF	J3-EFF-142A	N	07/05/2018	Process Water	0	0
J3 Range	J3-MID-2	J3-MID-2-142A	N	07/05/2018	Process Water	0	0
J3 Range	J3-MID-1	J3-MID-1-142A	N	07/05/2018	Process Water	0	0
J3 Range	J3-INF	J3-INF-142A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA2-EFF	CIA2-EFF-54A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA2-MID2	CIA2-MID2-54A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA2-MID1	CIA2-MID1-54A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA2-INF	CIA2-INF-54A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA1-EFF	CIA1-EFF-54A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA1-MID2	CIA1-MID2-54A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA1-MID1	CIA1-MID1-54A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA1-INF	CIA1-INF-54A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA3-EFF	CIA3-EFF-25A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA3-MID2	CIA3-MID2-25A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA3-MID1	CIA3-MID1-25A	N	07/05/2018	Process Water	0	0
Central Impact Area	CIA3-INF	CIA3-INF-25A	N	07/05/2018	Process Water	0	0

N = Normal Sample
 FD = Field Duplicate

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
 Data Received July 2018

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-211M2	MW-211M2_S18	175	185	06/27/2018	SW6850	Perchlorate	0.054	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-211M1	MW-211M1_S18	200	210	06/27/2018	SW6850	Perchlorate	0.089	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-696M1	MW-696M1_R2	175.2	185.2	06/22/2018	SW6850	Perchlorate	0.30		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-173M2	MW-173M2_S18	208	218	06/20/2018	SW6850	Perchlorate	0.26		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-341M2	MW-341M2_S18	264.5	269.5	06/20/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.70		ug/L	0.60	X	0.036	0.20
Demolition Area 1	MW-341M2	MW-341M2_S18	264.5	269.5	06/20/2018	SW6850	Perchlorate	2.1		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-341M2	MW-341M2_S18D	264.5	269.5	06/20/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.73		ug/L	0.60	X	0.036	0.20
Demolition Area 1	MW-341M2	MW-341M2_S18D	264.5	269.5	06/20/2018	SW6850	Perchlorate	2.1		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-533M1	MW-533M1_S18	160	170	06/19/2018	SW6850	Perchlorate	8.6		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-533M1	MW-533M1_S18D	160	170	06/19/2018	SW6850	Perchlorate	8.8		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-642M2	MW-642M2_S18	77.3	87.3	06/19/2018	SW6850	Perchlorate	0.21		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-642M1	MW-642M1_S18	104.3	114.3	06/19/2018	SW6850	Perchlorate	0.25		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-610M2	MW-610M2_S18	85	95	06/18/2018	SW6850	Perchlorate	0.40		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-610M1	MW-610M1_S18	110	120	06/18/2018	SW6850	Perchlorate	1.4		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-611M2	MW-611M2_S18	91	101	06/18/2018	SW6850	Perchlorate	2.2		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-611M1	MW-611M1_S18	141	151	06/18/2018	SW6850	Perchlorate	2.5		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-598M2	MW-598M2_S18	88	98	06/18/2018	SW6850	Perchlorate	0.72		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-598M1	MW-598M1_S18	122	132	06/18/2018	SW6850	Perchlorate	2.5		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-641M2	MW-641M2_S18	86.2	96.2	06/15/2018	SW6850	Perchlorate	0.63		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-641M1	MW-641M1_S18	113.2	123.2	06/15/2018	SW6850	Perchlorate	1.9		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-559M2	MW-559M2_S18	87	97	06/15/2018	SW6850	Perchlorate	0.12	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-559M1	MW-559M1_S18	135.6	145.6	06/15/2018	SW6850	Perchlorate	0.43		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-542M1	MW-542M1_S18	144	154	06/14/2018	SW6850	Perchlorate	0.13	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-532M2	MW-532M2_S18	138	148	06/14/2018	SW6850	Perchlorate	1.5		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-532M2	MW-532M2_S18D	138	148	06/14/2018	SW6850	Perchlorate	1.6		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-532M1	MW-532M1_S18	168	178	06/14/2018	SW6850	Perchlorate	0.31		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-248M3	MW-248M3_S18	143	153	06/14/2018	SW6850	Perchlorate	0.062	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-248M2	MW-248M2_S18	178	188	06/14/2018	SW6850	Perchlorate	0.026	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-248M1	MW-248M1_S18	216.3	226.3	06/14/2018	SW6850	Perchlorate	0.14	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-531M1	MW-531M1_S18	138	148	06/13/2018	SW6850	Perchlorate	2.9		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-258M2	MW-258M2_S18	87	92	06/13/2018	SW6850	Perchlorate	0.14	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-258M1	MW-258M1_S18	109	119	06/13/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.5		ug/L	0.60	X	0.036	0.20
Demolition Area 1	MW-258M1	MW-258M1_S18	109	119	06/13/2018	SW6850	Perchlorate	8.3		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-258M1	MW-258M1_S18D	109	119	06/13/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.5		ug/L	0.60	X	0.036	0.20
Demolition Area 1	MW-258M1	MW-258M1_S18D	109	119	06/13/2018	SW6850	Perchlorate	8.4		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-231M2	MW-231M2_S18	165.5	175.5	06/12/2018	SW6850	Perchlorate	0.64		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-231M1	MW-231M1_S18	210.5	220.5	06/12/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.30		ug/L	0.60		0.036	0.20
Demolition Area 1	MW-231M1	MW-231M1_S18	210.5	220.5	06/12/2018	SW6850	Perchlorate	1.6		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-231M1	MW-231M1_S18D	210.5	220.5	06/12/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.31		ug/L	0.60		0.036	0.20
Demolition Area 1	MW-231M1	MW-231M1_S18D	210.5	220.5	06/12/2018	SW6850	Perchlorate	1.6		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-663D	MW-663D_S18	240.6	250.6	06/07/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.2		ug/L	0.60	X	0.036	0.20
Demolition Area 1	MW-663D	MW-663D_S18	240.6	250.6	06/07/2018	SW6850	Perchlorate	20.9	J	ug/L	2.0	X	0.12	2.0
Demolition Area 1	MW-663D	MW-663D_S18D	240.6	250.6	06/07/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.3		ug/L	0.60	X	0.036	0.20

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

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
 Data Received July 2018

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-663D	MW-663D_S18D	240.6	250.6	06/07/2018	SW6850	Perchlorate	21.3	J	ug/L	2.0	X	0.12	2.0
Demolition Area 1	MW-240M2	MW-240M2_S18	125	135	06/07/2018	SW6850	Perchlorate	0.35		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-240M1	MW-240M1_S18	198	208	06/07/2018	SW6850	Perchlorate	0.067	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-225M3	MW-225M3_S18	125	135	06/07/2018	SW6850	Perchlorate	0.72		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-225M2	MW-225M2_S18	145	155	06/07/2018	SW6850	Perchlorate	0.088	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-225M1	MW-225M1_S18	175	185	06/07/2018	SW6850	Perchlorate	0.23		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-662D	MW-662D_S18	202.3	212.3	06/07/2018	SW6850	Perchlorate	1.2		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-546M2	MW-546M2_S18	100	110	06/06/2018	SW6850	Perchlorate	0.11	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-546M1	MW-546M1_S18	140	150	06/06/2018	SW6850	Perchlorate	0.32		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-544M3	MW-544M3_S18	77.5	87.5	06/06/2018	SW6850	Perchlorate	0.096	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-544M2	MW-544M2_S18	112	122	06/06/2018	SW6850	Perchlorate	0.88		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-544M1	MW-544M1_S18	162	172	06/06/2018	SW6850	Perchlorate	3.4		ug/L	2.0	X	0.012	0.20
Demolition Area 1	XX9514	XX9514_S18	102	112	06/06/2018	SW6850	Perchlorate	4.7		ug/L	2.0	X	0.012	0.20
Demolition Area 1	XX9514	XX9514_S18D	102	112	06/06/2018	SW6850	Perchlorate	4.7		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-558M2	MW-558M2_S18	98	108	06/05/2018	SW6850	Perchlorate	0.16	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-597M1	MW-597M1_S18	148	158	06/05/2018	SW6850	Perchlorate	0.13	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-353M1	MW-353M1_S18	107	117	06/05/2018	SW6850	Perchlorate	0.13	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-545M4	MW-545M4_S18	72	82	06/04/2018	SW6850	Perchlorate	0.48		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-545M3	MW-545M3_S18	101.5	111.5	06/04/2018	SW6850	Perchlorate	0.28		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-545M2	MW-545M2_S18	142	152	06/04/2018	SW6850	Perchlorate	2.8		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-545M1	MW-545M1_S18	162	172	06/04/2018	SW6850	Perchlorate	2.4		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-582M2	MW-582M2_S18	84	94	06/04/2018	SW6850	Perchlorate	0.85		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-582M1	MW-582M1_S18	134	144	06/04/2018	SW6850	Perchlorate	2.7		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-582M1	MW-582M1_S18D	134	144	06/04/2018	SW6850	Perchlorate	2.7		ug/L	2.0	X	0.012	0.20
Demolition Area 1	MW-571M2	MW-571M2_S18	74	84	06/01/2018	SW6850	Perchlorate	0.34		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-571M1	MW-571M1_S18	114	124	06/01/2018	SW6850	Perchlorate	1.3		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-569M2	MW-569M2_S18	84	94	06/01/2018	SW6850	Perchlorate	0.46		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-569M1	MW-569M1_S18	114	124	06/01/2018	SW6850	Perchlorate	0.41		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-659M1	MW-659M1_S18	120	130	06/01/2018	SW6850	Perchlorate	0.98		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-554M2	MW-554M2_S18	89.1	99.1	05/31/2018	SW6850	Perchlorate	0.21		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-554M1	MW-554M1_S18	120	130	05/31/2018	SW6850	Perchlorate	0.26		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-556M1	MW-556M1_S18	153	163	05/31/2018	SW6850	Perchlorate	1.1		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-210M2	MW-210M2_S18	156	166	05/30/2018	SW6850	Perchlorate	0.40		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-274	MW-274_S18	109	199	05/30/2018	SW6850	Perchlorate	0.066	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-431	MW-431_S18	88	188	05/29/2018	SW6850	Perchlorate	0.12	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-431	MW-431_S18	88	188	05/29/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.23		ug/L	0.60		0.036	0.20
Demolition Area 1	MW-431	MW-431_S18D	88	188	05/29/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.24		ug/L	0.60		0.036	0.20
Demolition Area 1	EW-658	EW-658_S18	96	136	05/29/2018	SW6850	Perchlorate	0.080	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-19S	MW-19S_S18	52.7	62.7	05/29/2018	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.42		ug/L	400		0.025	0.20
Demolition Area 1	MW-19S	MW-19S_S18	52.7	62.7	05/29/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.4		ug/L	0.60	X	0.036	0.20
Demolition Area 1	MW-19S	MW-19S_S18D	52.7	62.7	05/29/2018	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.43		ug/L	400		0.025	0.20
Demolition Area 1	MW-19S	MW-19S_S18D	52.7	62.7	05/29/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.4		ug/L	0.60	X	0.036	0.20
Demolition Area 1	MW-76M2	MW-76M2_S18	105	115	05/29/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.20		ug/L	0.60		0.036	0.20

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

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
 Data Received July 2018

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-31S	MW-31S_S18	98	103	05/22/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.20		ug/L	0.60		0.036	0.20
Demolition Area 1	MW-31S	MW-31S_S18	98	103	05/22/2018	SW8330	2-Amino-4,6-dinitrotoluene	0.23		ug/L	7.3		0.016	0.20
Demolition Area 1	MW-31S	MW-31S_S18	98	103	05/22/2018	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.41		ug/L	400		0.025	0.20
Demolition Area 1	MW-31S	MW-31S_S18	98	103	05/22/2018	SW8330	2,4,6-Trinitrotoluene	1.0		ug/L	2.0		0.027	0.20
Demolition Area 1	MW-31S	MW-31S_S18D	98	103	05/22/2018	SW8330	2-Amino-4,6-dinitrotoluene	0.21		ug/L	7.3		0.016	0.20
Demolition Area 1	MW-31S	MW-31S_S18D	98	103	05/22/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.21		ug/L	0.60		0.036	0.20
Demolition Area 1	MW-31S	MW-31S_S18D	98	103	05/22/2018	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.39		ug/L	400		0.025	0.20
Demolition Area 1	MW-31S	MW-31S_S18D	98	103	05/22/2018	SW8330	2,4,6-Trinitrotoluene	0.96		ug/L	2.0		0.027	0.20
Demolition Area 1	MW-77M2	MW-77M2_S18	120	130	05/22/2018	SW8330	4-Amino-2,6-dinitrotoluene	0.26		ug/L	7.3		0.015	0.20
Demolition Area 1	MW-77M2	MW-77M2_S18	120	130	05/22/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.9		ug/L	0.60	X	0.036	0.20
Demolition Area 1	MW-77M2	MW-77M2_S18	120	130	05/22/2018	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2.7		ug/L	400		0.025	0.20
Demolition Area 1	MW-77M2	MW-77M2_S18D	120	130	05/22/2018	SW8330	4-Amino-2,6-dinitrotoluene	0.26		ug/L	7.3		0.015	0.20
Demolition Area 1	MW-77M2	MW-77M2_S18D	120	130	05/22/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.9		ug/L	0.60	X	0.036	0.20
Demolition Area 1	MW-77M2	MW-77M2_S18D	120	130	05/22/2018	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2.7		ug/L	400		0.025	0.20
Demolition Area 1	MW-139M2	MW-139M2_S18	154	164	05/17/2018	SW6850	Perchlorate	0.071	J	ug/L	2.0		0.012	0.20
Demolition Area 1	MW-165M2	MW-165M2_S18	124.5	134.5	05/17/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.28		ug/L	0.60		0.036	0.20
Demolition Area 1	MW-165M2	MW-165M2_S18	124.5	134.5	05/17/2018	SW6850	Perchlorate	0.30		ug/L	2.0		0.012	0.20
Demolition Area 1	MW-165M1	MW-165M1_S18	184.5	194.5	05/17/2018	SW6850	Perchlorate	0.051	J	ug/L	2.0		0.012	0.20
Demolition Area 2	MW-259M1	MW-259M1_S18	189	199	05/16/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.34		ug/L	0.60		0.036	0.20
Demolition Area 2	MW-262M1	MW-262M1_S18	226	236	05/16/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.27		ug/L	0.60		0.036	0.20
Demolition Area 2	MW-161S	MW-161S_S18	145.5	155.5	05/15/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.39		ug/L	0.60		0.036	0.20
Demolition Area 2	MW-161S	MW-161S_S18D	145.5	155.5	05/15/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.39		ug/L	0.60		0.036	0.20
Demolition Area 2	MW-404M2	MW-404M2_S18	200.04	210.04	05/15/2018	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.96		ug/L	0.60	X	0.036	0.20

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