

**MONTHLY PROGRESS REPORT #232  
FOR JULY 2016**

**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 July to 31 July 2016.

**1. SUMMARY OF REMEDIATION ACTIONS**

The following is a description of Remediation Actions (RA) underway at Camp Edwards as of July 2016. Remediation Actions may include Rapid Response Actions (RRA). An RRA is an interim action that may be conducted prior to risk assessments or remedial investigations to address a known, ongoing threat of contamination to groundwater and/or soil.

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, and the Base Boundary 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 325 gpm, with over 2.388 billion gallons of water treated and re-injected as of 29 July 2016. No Frank Perkins Road facility shut down occurred in July.

The Pew Road Mobile Treatment Unit (MTU) continues to operate at a flow rate of 105 gpm with over 477.2 million gallons of water treated and re-injected as of 29 July 2016. The following Pew Road MTU shut downs occurred in July:

- Shut down on 1 July 2016 at 2216 due to a system alarm and was restarted at 5 July 2016 at 0746; and
- Shut down on 19 July 2016 at 1423 due to a system alarm and was restarted at 19 July 2016 at 1446.

The Base Boundary RA was shut down on 3 April 2016 and is offline awaiting extraction well motor replacement, with over 147.6 million gallons of water treated and re-injected as of 29 July 2016.

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 29 July 2016, over 353 million gallons of water have been treated and re-injected. The following J-1 Range Southern system shut downs occurred in July:

- Shut down on 1 July 2016 at 2220 due to a power interruption and was restarted at 5 July 2016 at 1145;
- Shut down on 22 July 2016 at 1648 due to a power interruption and was restarted at 25 July 2016 at 0839; and
- Shut down on 28 July 2016 at 0930 for telemetry programming and was restarted at 28 July 2016 at 1150.

#### 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 will continue to operate at a total system flow rate of 250 gpm. As of 29 July 2016, over 318 million gallons of water have been treated and re-injected. The following J-1 Range Northern MTU shut downs occurred in July:

- EW-0001 shut down on 11 July 2016 at 0547 due to a system alarm and was restarted at 11 July 2016 at 0905; and
- Shut down on 18 July 2016 at 1224 for maintenance and was restarted on 18 July 2016 at 1241.

#### J-3 Range Groundwater RRA

The J-3 Range Groundwater RRA 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 continues to operate at a flow rate of 255 gpm. As of 29 July 2016, over 923.7 million gallons of water have been treated and re-injected. The following J-3 Range system shut downs occurred in July:

- Shut down on 1 July 2016 at 2218 due to a system alarm and was restarted at 5 July 2016 at 0820;
- Shut down on 14 July 2016 at 1608 due to FS-12 system shut down and was restarted at 15 July 2016 at 1038;
- Shut down on 22 July 2016 at 1648 due to a power interruption and was restarted at 25 July 2016 at 0935;
- 90EW0001, EW0032, and EWIP1 were shut down on 28 July 2016 at 1813 due to a power interruption and were restarted at 29 July 2016 at 0744; and
- 90EW0001, EW0032, and EWIP1 were shut down on 30 July 2016 at 0323 due to a system alarm and were restarted at 01 August 2016 at 0722.

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 29 July 2016, over 779.5 million gallons of water have been treated and re-injected. The following Northern Treatment Building shut down occurred in July:

- Shut down on 1 July 2016 at 2332 due to a power interruption and was restarted at 5 July 2016 at 0833;
- Shut down on 14 July 2016 at 1620 due to a power interruption and was restarted at 15 July 2016 at 1208; and
- Shut down on 27 July 2016 at 0616 due to a power interruption and was restarted at 27 July 2016 at 0740.

The Northern MTUs E and F continue to operate at a flow rate of 250 gpm. As of 29 July 2016, over 1.253 billion gallons of water have been treated and re-injected. The following J-2 Range Northern MTU shut downs occurred in July:

- MTU E shut down on 1 July 2016 at 2210 due to a system alarm and was restarted at 7 July 2016 at 1120;
- MTU F shut down on 1 July 2016 at 2150 due to a system alarm and was restarted at 7 July 2016 at 1110; and
- MTUs E and F shut down on 18 July 2016 at 0635 due to a power interruption and were restarted at 18 July 2016 at 0731.

## 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 29 July 2016, over 858.5 million gallons of water have been treated and re-injected. No shut downs of MTUs H and I occurred in July.

MTU J continues to operate at a flow rate of 120 gpm. As of 29 July 2016, over 384 million gallons of water have been treated and re-injected. No shut downs of MTU J occurred in July.

MTU K continues to operate at a flow rate of 125 gpm. As of 29 July 2016, over 489 million gallons of water have been treated and re-injected. The following MTU K shut downs occurred in July:

- MTU K shut down on 22 July 2016 at 1648 due to a power interruption and was restarted on 25 July 2016 at 0910;
- MTU K shut down on 26 July 2016 at 0740 for telemetry programming and was restarted at 26 July 2016 at 1250; and
- MTU K shut down on 26 July 2016 at 1400 due to system maintenance and was restarted at 27 July 2016 at 0832.

### 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 29 July 2016, over 656.5 million gallons of water have been treated and re-injected. No CIA treatment facility shut downs occurred in July.

### **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, 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, J-3 Range, and the CIA.

Collected surface water samples at J-3 Range (Snake Pond).

Collected soil samples at Former D Range and G Range.

Drilled and collected groundwater profile samples at Demolition Area 1 (BH-661, BH-662, BH-663, BH-664).

Completed soil excavation (3<sup>rd</sup> lift) and stockpiling at B Range.

Completed soil excavation (3<sup>rd</sup> lift) and stockpiling at C Range.

Completed soil excavation (1<sup>st</sup> lift), stockpiling, and post-excavation sampling at five of six grids at D Range.

Completed soil excavation (2<sup>nd</sup> lift), stockpiling, and post-excavation sampling at Former D Range.

Completed soil excavation (2<sup>nd</sup> lift), stockpiling and post-excavation sampling at G Range.

Performed road repair in J-1 Range Northern.

Completed site restoration and testing of the new in-plume extraction well at J-3 Range.

Continued MEC investigation in Barrage Rocket Area at J-3 Range.

Installed telemetry poles and electrical at Demolition Area 1 Leading Edge, and performed start-up testing for extraction well D1-EW-4.

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

Completed intrusive investigation of anomalies in Phase II area 1 at the CIA.

Continued intrusive investigation of anomalies and Metalmapper collection of cued data in Phase II area 2 at the CIA.

## **JBCC IAGWSP Tech Update Meeting Minutes 14 July 2016**

### **Project and Field Work Update**

Crews are at the J-3 Range Barrage Area and have completed three of the ten acres. Thirteen MEC items were found in the barrage area so far. Eleven of these items were identified as 4.5" barrage rockets and the other two were 37mm projectiles. A 14" WP round was also found and it is being stored at the BEM staging area because it is intact.

Work will be completed on the barrage area, the hillside study area, and the burn kettle conex area. Then crews will move to J-2 to complete 23 grids.

Soil from the first ten grids at J-2 is going off-site in the next two weeks. USACE confirmed there will be post-excavation sampling.

CIA field crews are in Phase II Area 2. The CIA EW-3 system has been started. EPA asked about the results of the start-up test and USACE confirmed that will be part of the monitoring report in October. MassDEP requested a site inspection. MassDEP requested a PN for the CIA wells that were proposed in the Annual Report. The wells will be part of the fall mobilization efforts.

The ambient monitoring for the Demo 1 off-site treatment system was completed last week and the system came on line this week at 100 gpm. EPA requested a site visit.

IAGWSP is still waiting to hear back from Eversource on the plan to de-energize the power lines for the Demo 1 base boundary system repairs. USACE expects to receive a cost estimate from Eversource next week on a "re-closer" to temporarily divert the power away from the lines. It was noted that the system has been off since April. IAGWSP is currently evaluating the area upgradient of the plume.

The new J-3 EW will be tested after the Demo 1 in-plume well. USACE estimated that ambient monitoring will begin on 7/25 and the well should be on line on 7/28.

At the Small Arms Ranges, crews finished excavating 18 grids at the Former B Range. They are removing second lifts at three grids at G Range. The crews will then move to D, B, and C Ranges.

A screen setting call was scheduled for MW-661 (located on Pew Road). Crews are currently drilling at MW-662 (at 271 feet). There are two more Demo 1 locations and four-five J-2 East locations.

## Action Items

The action items were discussed and updated.

## Miscellaneous Topics

IAGWSP provided data tables for soil sampling results at the BEM. RDX concentrations are below the S-1 GW-1 standard. One perchlorate sample was below the standard and one sample was above. It is estimated that it will cost ~\$150k to change the soil at the BEM. IAGWSP proposed that work continue and additional samples will be collected at the end of this field season (late fall/early winter). IAWGSP will summarize their proposal in an email to the agencies.

IAGWSP is preparing a well inventory list of off-site wells and wells that have not been samples in at least four years.

Surveillance cameras have been installed in the Impact Area, most of which are near the treatment systems and in the CIA. MassDEP requested more information about how trespassers will be identified and plans to share the information with the Environmental Police.

A telemetry network has been established so that all treatment system monitoring can be done from the Frank Perkins Road location.

There was discussion about EPA's comments on the J-1 Monitoring Report. USACE to the information about predicted particle tracts and trajectory to the agencies.

EPA requested a PN for drive points and wells proposed in the recent Annual Monitoring reports (J-1 and J-3).

There was discussion about surface water sampling that took place at Opening Pond near Demo 1 due to widespread toad deaths. Samples were collected for perchlorate and explosives, as well as for analysis by USGS for viruses and algal toxins. Results are pending.

## Small Arms Ranges Annual Environmental Monitoring Report Presentation

A presentation was provided on the Small Arms Ranges (SARs) Annual Environmental Monitoring Report.

Approximately 4,000 cubic yards of soil from B Range, C Range, G Range, N Range, Former D Range, and M2 Ranges was excavated and disposed of off-site.

Tungsten was detected in MW-72S (3.8 µg/L and 3.9 µg/L Duplicate). All other wells (10 in total) were non-detect. Three metals were also detected but none were above MCLs. Perchlorate was detected at 0.32 µg/L in one well (MW-68S).

Because all levels are below cleanup levels, the IAGWSP recommends continuing long-term groundwater monitoring for three years at the following wells: Bravo Range (MW-72S, MW- 490S, MW-537M1, and MW-538M1), Charlie Range (MW-491S), Golf Range (MW-470S), and GA/GB Range (three new wells, or two wells and 03MW0710, if Viable)

The IAGWSP recommends removing the following wells from the sampling program (Non-Detect or below MCLs): Former D Range (MW-174S), Bravo Range (MW-455S and MW-539M1), Charlie Range (MW-456S), Former B Range (MW-475S and MW-476S), and MP-1 Range (MW- 68S).

The draft SARs Annual report (with the above recommendations) was submitted to the agencies on 7/8/16.

## **JBCC IAGWSP Tech Update Meeting Minutes 28 July 2016**

### **Project and Field Work Update**

A screen setting call was held for BH-663 (D1P-2) which is the next to last well being drilled at Demolition Area 1. It was decided that a single screen would be set at -80 to -90 MSL.

Crews are continuing to work at the J-3 Range Barrage Area and have completed about half of the ten acres. Eighteen MEC items have been found to date. The items identified include fifteen 4.5" barrage rockets, one 37 mm projectile, one 81 mm white phosphorus (WP) mortar and one 4.2" WP mortar. The WP items are being stored in water filled plastic bags. Other items have been moved to the BEM storage area. Work will be completed on the barrage area in approximately three weeks then the crew will move to the Hillside and then to the Burn-Kettle Conex area.

Soil from the first ten grids at J-2 is going off-site in the next two weeks. USACE confirmed there will be post-excavation sampling.

CIA field crews continue to work in Phase II Area 2. EPA requested a site visit next week. The CIA EW-3 system continues to operate with no problems.

The hydraulic monitoring for the Demo 1 off-site treatment system is complete and the chemical monitoring is ongoing. There have been no issues with the system. IAGWSP is still waiting to hear back from Eversource on the plan to de-energize the power lines for the Demolition Area 1 base boundary system repairs. USACE noted that their contact at Eversource who was supposed to provide the cost estimate is on leave until 1 August. USACE will re-engage with Eversource early next week. IAGWSP has proposed to collect another round of samples in the area near the off-line extraction to determine site conditions. The new source area extraction well is operating at 75 gallons per minute (gpm) and the startup testing is complete. USACE is analyzing the preliminary data.

The new J-3 extraction well started today at 60 gpm. Sampling per the startup plan will begin next week.

At the Small Arms Ranges, crews finished excavating second lifts at three grids at G Range, first lifts at 5 grids at D Range and third lifts at three grids at C Range. The crews will be moving to excavate a second lifts at one grid at Former B and eleven grids at Former C Range, and the third lift at three grids on the Former D Range.

### **Action Items**

The action items were discussed and updated.

### **JBCC Cleanup Team Meeting**

The JBCC Cleanup Team (JBCCCT), formerly the MMR Cleanup Team (MMRCT) was most recently scheduled to meet on May 11, 2016; this meeting was canceled, and the next meeting date has not yet been determined. 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 July to 31 July 2016. 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. 231 for June 2016 07/10/2016
- Draft Central Impact Area Environmental Monitoring Work Plan 07/05/2016
- Draft Small Arms Ranges 2016 Annual Environmental Monitoring Report 07/08/2016

**3. SCHEDULED ACTIONS**

The following documents are being prepared or revised during August 2016:

- Training Areas Draft Investigation Report;
- Training Areas Draft Remedy Selection Plan;
- CIA Environmental Monitoring Work Plan;
- Draft BIP Report;
- L Range 2016 Environmental Monitoring Report;
- J-3 Range Environmental Monitoring Work Plan;
- J-1 Range Northern and J-1 Range Southern 2016 Environmental Monitoring Report; and
- Small Arms Ranges 2016 Annual Interim Environmental Monitoring Report.



**TABLE 1**  
**Sampling Progress: 1 July to 31 July 2016**

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
Demolition Area 1	BH-664	D1P-3_241-246	N	07/29/2016	GW Profile	241	246
Demolition Area 1	BH-664	D1P-3_231-236	N	07/29/2016	GW Profile	231	236
J3 Range	J3EWIP2	J3EWIP2_D1	N	07/29/2016	Ground Water	149.5	169.5
Demolition Area 1	BH-664	D1P-3_221-226	N	07/29/2016	GW Profile	221	226
Demolition Area 1	BH-664	D1P-3_221-226D	FD	07/29/2016	GW Profile	221	226
Demolition Area 1	BH-664	D1P-3_211-216	N	07/29/2016	GW Profile	211	216
Demolition Area 1	BH-664	D1P-3_211-216D	FD	07/29/2016	GW Profile	211	216
J3 Range	MW-157M3	MW-157M3_F16	N	07/28/2016	Ground Water	70	80
J3 Range	MW-157M2	MW-157M2_F16	N	07/28/2016	Ground Water	110	120
Demolition Area 1	BH-664	D1P-3_201-206	N	07/28/2016	GW Profile	201	206
J3 Range	MW-157M1	MW-157M1_F16	N	07/28/2016	Ground Water	154	164
Demolition Area 1	BH-664	D1P-3_191-196	N	07/28/2016	GW Profile	191	196
Demolition Area 1	BH-664	D1P-3_181-186	N	07/28/2016	GW Profile	181	186
J3 Range	MW-217M3	MW-217M3_F16	N	07/28/2016	Ground Water	101	106
J3 Range	MW-217M2	MW-217M2_F16	N	07/28/2016	Ground Water	138	143
Demolition Area 1	BH-664	D1P-3_171-176	N	07/27/2016	GW Profile	171	176
J3 Range	90PZ0204	90PZ0204_F16	N	07/27/2016	Ground Water	80	85
Demolition Area 1	BH-664	D1P-3_161-166	N	07/27/2016	GW Profile	161	166
Demolition Area 1	BH-664	D1P-3_151-156	N	07/27/2016	GW Profile	151	156
J3 Range	MW-218M3	MW-218M3_F16	N	07/27/2016	Ground Water	78	83
Demolition Area 1	BH-664	D1P-3_141-146	N	07/27/2016	GW Profile	141	146
Demolition Area 1	BH-664	D1P-3_131-136	N	07/27/2016	GW Profile	131	136
Demolition Area 1	BH-664	D1P-3_121-126	N	07/26/2016	GW Profile	121	126
J3 Range	MW-218M1	MW-218M1_F16	N	07/26/2016	Ground Water	128	133
Demolition Area 1	BH-664	D1P-3_113-116	N	07/26/2016	GW Profile	113	116
J3 Range	MW-218M2	MW-218M2_F16	N	07/26/2016	Ground Water	98	103
J3 Range	90MP0059B	90MP0059B_F16	N	07/25/2016	Ground Water	116.4	118.9
Demolition Area 1	BH-663	D1P-2_296-301	N	07/22/2016	GW Profile	296	301
J3 Range	MW-243M1	MW-243M1_F16	N	07/21/2016	Ground Water	114.5	124.5
Demolition Area 1	BH-663	D1P-2_286-291	N	07/21/2016	GW Profile	286	291
J3 Range	LKSNK0006	LKSNK0006_F16	N	07/21/2016	Surface Water	0	1
J3 Range	LKSNK0005	LKSNK0005_F16	N	07/21/2016	Surface Water	0	4
J3 Range	LKSNK0007	LKSNK0007_F16	N	07/21/2016	Surface Water	0	4
Demolition Area 1	BH-663	D1P-2_276-281	N	07/21/2016	GW Profile	276	281
Demolition Area 1	EW-658	EW-658_D8	N	07/21/2016	Ground Water	96	136
Demolition Area 1	BH-663	D1P-2_266-271	N	07/21/2016	GW Profile	266	271
J3 Range	MW-143M3	MW-143M3_F16	N	07/20/2016	Ground Water	107	112
J3 Range	MW-143M2	MW-143M2_F16	N	07/20/2016	Ground Water	117	122
Demolition Area 1	BH-663	D1P-2_256-261	N	07/20/2016	GW Profile	256	261
J3 Range	MW-143M1	MW-143M1_F16	N	07/20/2016	Ground Water	144	154
D Range	SSDR04	DR04_C	FR	07/20/2016	Soil	0	0.25
D Range	SSDR04	DR04_B	FR	07/20/2016	Soil	0	0.25
D Range	SSDR04	DR04_A	N	07/20/2016	Soil	0	0.25
D Range	SSDR06	DR06A_A	N	07/20/2016	Soil	0	0.25
J3 Range	MW-193S	MW-193S_F16	N	07/20/2016	Ground Water	32.5	37.5
J3 Range	MW-193S	MW-193S_F16D	FD	07/20/2016	Ground Water	32.5	37.5
D Range	SSDR03	DR03A_A	N	07/20/2016	Soil	0	0.25
D Range	SSDR02A	DR02A_A	N	07/20/2016	Soil	0	0.25
D Range	SSDR01	DR01_A	N	07/20/2016	Soil	0	0.25
Demolition Area 1	BH-663	D1P-2_246-251	N	07/20/2016	GW Profile	246	251
G Range	SSGR01A	GR01A_C	FR	07/20/2016	Soil	0	0.25
G Range	SSGR01A	GR01A_B	FR	07/20/2016	Soil	0	0.25
J3 Range	MW-193M1	MW-193M1_F16	N	07/20/2016	Ground Water	57.5	62.5
J3 Range	MW-193M1	MW-193M1_F16D	FD	07/20/2016	Ground Water	57.5	62.5
G Range	SSGR01A	GR01A_A	N	07/20/2016	Soil	0	0.25
G Range	SSGR01DR	GR01DR_A	N	07/20/2016	Soil	0	0.25
Demolition Area 1	BH-663	D1P-2_236-241	N	07/20/2016	GW Profile	236	241

**TABLE 1**  
**Sampling Progress: 1 July to 31 July 2016**

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
G Range	SSGR04	GR04_A	N	07/20/2016	Soil	0	0.25
J3 Range	MW-232M2	MW-232M2_F16	N	07/19/2016	Ground Water	61	66
Demolition Area 1	BH-663	D1P-2_226-231	N	07/19/2016	GW Profile	226	231
Demolition Area 1	BH-663	D1P-2_216-221	N	07/19/2016	GW Profile	216	221
Demolition Area 1	BH-663	D1P-2_216-221D	FD	07/19/2016	GW Profile	216	221
J3 Range	MW-232M1	MW-232M1_F16	N	07/19/2016	Ground Water	77.5	82.5
J3 Range	MW-243M2	MW-243M2_F16	N	07/19/2016	Ground Water	84.5	94.5
J3 Range	MW-295M2	MW-295M2_F16	N	07/18/2016	Ground Water	117	127
J3 Range	MW-295M1	MW-295M1_F16	N	07/18/2016	Ground Water	145	155
J3 Range	MW-359M2	MW-359M2_F16	N	07/18/2016	Ground Water	148.6	158.6
Demolition Area 1	EW-658	EW-658_D5	N	07/18/2016	Ground Water	96	136
J3 Range	MW-329M2	MW-329M2_F16	N	07/14/2016	Ground Water	150.1	160.1
J3 Range	MW-329M1	MW-329M1_F16	N	07/14/2016	Ground Water	180	190
J1 Range Southern	J1S-EFF	J1S-EFF-104A	N	07/14/2016	Process Water	0	0
J1 Range Southern	J1S-MID	J1S-MID-104A	N	07/14/2016	Process Water	0	0
J1 Range Southern	J1S-INF-2	J1S-INF-2-104A	N	07/14/2016	Process Water	0	0
Demolition Area 1	EW-658	EW-658_D1	N	07/14/2016	Ground Water	96	136
J3 Range	MW-227M3	MW-227M3_F16	N	07/14/2016	Ground Water	65	75
J3 Range	J3-EFF	J3-EFF-118A	N	07/14/2016	Process Water	0	0
J3 Range	J3-MID-2	J3-MID-2-118A	N	07/14/2016	Process Water	0	0
Demolition Area 1	BH-662	D1P-1_286-291	N	07/14/2016	GW Profile	286	291
J3 Range	J3-MID-1	J3-MID-1-118A	N	07/14/2016	Process Water	0	0
J3 Range	J3-INF	J3-INF-118A	N	07/14/2016	Process Water	0	0
Demolition Area 1	BH-662	D1P-1_276-281	N	07/14/2016	GW Profile	276	281
Demolition Area 1	BH-662	D1P-1_266-271	N	07/14/2016	GW Profile	266	271
Demolition Area 1	BH-662	D1P-1_256-261	N	07/13/2016	GW Profile	256	261
J3 Range	MW-163S	MW-163S_F16	N	07/13/2016	Ground Water	38	48
J3 Range	MW-163S	MW-163S_F16D	FD	07/13/2016	Ground Water	38	48
Demolition Area 1	PR-EFF	PR-EFF-124A	N	07/13/2016	Process Water	0	0
Demolition Area 1	PR-MID-2	PR-MID-2-124A	N	07/13/2016	Process Water	0	0
Demolition Area 1	PR-MID-1	PR-MID-1-124A	N	07/13/2016	Process Water	0	0
Demolition Area 1	PR-INF	PR-INF-124A	N	07/13/2016	Process Water	0	0
J3 Range	MW-198M1	MW-198M1_F16	N	07/13/2016	Ground Water	150	155
Demolition Area 1	FPR-2-EFF-A	FPR-2-EFF-A-124A	N	07/13/2016	Process Water	0	0
Demolition Area 1	FPR-2-GAC-MID1A	FPR-2-GAC-MID1A-124A	N	07/13/2016	Process Water	0	0
Demolition Area 1	FPR2-POST-IX-A	FPR2-POST-IX-A-124A	N	07/13/2016	Process Water	0	0
Demolition Area 1	FPR-2-INF	FPR-2-INF-124A	N	07/13/2016	Process Water	0	0
Central Impact Area	CIA2-EFF	CIA2-EFF-30A	N	07/13/2016	Process Water	0	0
Central Impact Area	CIA2-MID2	CIA2-MID2-30A	N	07/13/2016	Process Water	0	0
Central Impact Area	CIA2-MID1	CIA2-MID1-30A	N	07/13/2016	Process Water	0	0
Central Impact Area	CIA2-INF	CIA2-INF-30A	N	07/13/2016	Process Water	0	0
J3 Range	MW-198M4	MW-198M4_F16	N	07/13/2016	Ground Water	70	75
J3 Range	MW-198M4	MW-198M4_F16D	FD	07/13/2016	Ground Water	70	75
Central Impact Area	CIA1-EFF	CIA1-EFF-30A	N	07/13/2016	Process Water	0	0
Central Impact Area	CIA1-MID2	CIA1-MID2-30A	N	07/13/2016	Process Water	0	0
Demolition Area 1	BH-662	D1P-1_246-251	N	07/13/2016	GW Profile	246	251
Central Impact Area	CIA1-MID1	CIA1-MID1-30A	N	07/13/2016	Process Water	0	0
J3 Range	MW-198M3	MW-198M3_F16	N	07/13/2016	Ground Water	100	105
J3 Range	MW-198M3	MW-198M3_F16D	FD	07/13/2016	Ground Water	100	105
Central Impact Area	CIA1-INF	CIA1-INF-30A	N	07/13/2016	Process Water	0	0
J3 Range	MW-198M2	MW-198M2_F16	N	07/13/2016	Ground Water	120	125
Demolition Area 1	BH-662	D1P-1_236-241	N	07/13/2016	GW Profile	236	241
Demolition Area 1	BH-662	D1P-1_226-231	N	07/12/2016	GW Profile	226	231
Demolition Area 1	MW-533M1	MW-533M1_T16	N	07/12/2016	Ground Water	160	170
Demolition Area 1	BH-662	D1P-1_216-221	N	07/12/2016	GW Profile	216	221
J3 Range	MW-227M2	MW-227M2_F16	N	07/12/2016	Ground Water	110	120
J3 Range	MW-227M2	MW-227M2_F16D	FD	07/12/2016	Ground Water	110	120

**TABLE 1**  
**Sampling Progress: 1 July to 31 July 2016**

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
Demolition Area 1	BH-662	D1P-1_206-211	N	07/12/2016	GW Profile	206	211
Demolition Area 1	BH-662	D1P-1_206-211D	FD	07/12/2016	GW Profile	206	211
J2 Range Eastern	J2E-EFF-IH	J2E-EFF-IH-94A	N	07/12/2016	Process Water	0	0
J2 Range Eastern	J2E-MID-2H	J2E-MID-2H-94A	N	07/12/2016	Process Water	0	0
J2 Range Eastern	J2E-MID-1H	J2E-MID-1H-94A	N	07/12/2016	Process Water	0	0
J3 Range	MW-227M1	MW-227M1_F16	N	07/12/2016	Ground Water	130	140
J2 Range Eastern	J2E-MID-2I	J2E-MID-2I-94A	N	07/12/2016	Process Water	0	0
J2 Range Eastern	J2E-MID-1I	J2E-MID-1I-94A	N	07/12/2016	Process Water	0	0
J2 Range Eastern	J2E-INF-I	J2E-INF-I-94A	N	07/12/2016	Process Water	0	0
Demolition Area 1	BH-662	D1P-1_196-201	N	07/12/2016	GW Profile	196	201
J3 Range	MW-576M3	MW-576M3_F16	N	07/12/2016	Ground Water	98.9	108.9
J2 Range Eastern	J2E-EFF-K	J2E-EFF-K-94A	N	07/12/2016	Process Water	0	0
J2 Range Eastern	J2E-MID-2K	J2E-MID-2K-94A	N	07/12/2016	Process Water	0	0
J2 Range Eastern	J2E-MID-1K	J2E-MID-1K-94A	N	07/12/2016	Process Water	0	0
J2 Range Eastern	J2E-INF-K	J2E-INF-K-94A	N	07/12/2016	Process Water	0	0
Demolition Area 1	BH-662	D1P-1_186-191	N	07/12/2016	GW Profile	186	191
J3 Range	MW-576M2	MW-576M2_F16	N	07/12/2016	Ground Water	133.9	143.9
J3 Range	MW-576M2	MW-576M2_F16D	FD	07/12/2016	Ground Water	133.9	143.9
J2 Range Eastern	J2E-EFF-J	J2E-EFF-J-94A	N	07/12/2016	Process Water	0	0
J2 Range Eastern	J2E-MID-2J	J2E-MID-2J-94A	N	07/12/2016	Process Water	0	0
J2 Range Eastern	J2E-MID-1J	J2E-MID-1J-94A	N	07/12/2016	Process Water	0	0
J2 Range Eastern	J2E-INF-J	J2E-INF-J-94A	N	07/12/2016	Process Water	0	0
J3 Range	MW-576M1	MW-576M1_F16	N	07/12/2016	Ground Water	173.9	183.9
J3 Range	MW-576M1	MW-576M1_F16D	FD	07/12/2016	Ground Water	173.9	183.9
Central Impact Area	CIAEW3-EFF	CIAEW3-EFF_071216	N	07/12/2016	Ground Water	0	0
Central Impact Area	CIAEW3-MIDGAC	CIAEW3-POST GAC#1_071216	N	07/12/2016	Ground Water	0	0
Central Impact Area	CIAEW3-MIDIX	CIAEW3-POST IX_071216	N	07/12/2016	Ground Water	0	0
Central Impact Area	CIAEW3-INF	CIAEW3-INF_071216	N	07/12/2016	Ground Water	0	0
J3 Range	MW-343M2	MW-343M2_F16	N	07/11/2016	Ground Water	166.8	171.8
J3 Range	MW-343M1	MW-343M1_F16	N	07/11/2016	Ground Water	214.8	224.8
J1 Range Northern	J1N-EFF	J1N-EFF-33A	N	07/11/2016	Process Water	0	0
J1 Range Northern	J1N-MID2	J1N-MID2-33A	N	07/11/2016	Process Water	0	0
J1 Range Northern	J1N-MID1	J1N-MID1-33A	N	07/11/2016	Process Water	0	0
J1 Range Northern	J1N-INF2	J1N-INF2-33A	N	07/11/2016	Process Water	0	0
J2 Range Northern	J2N-EFF-G	J2N-EFF-G-118A	N	07/11/2016	Process Water	0	0
J2 Range Northern	J2N-MID-2G	J2N-MID-2G-118A	N	07/11/2016	Process Water	0	0
J2 Range Northern	J2N-MID-1G	J2N-MID-1G-118A	N	07/11/2016	Process Water	0	0
J2 Range Northern	J2N-INF-G	J2N-INF-G-118A	N	07/11/2016	Process Water	0	0
J2 Range Northern	J2N-EFF-EF	J2N-EFF-EF-118A	N	07/11/2016	Process Water	0	0
J2 Range Northern	J2N-MID-2F	J2N-MID-2F-118A	N	07/11/2016	Process Water	0	0
J2 Range Northern	J2N-MID-1F	J2N-MID-1F-118A	N	07/11/2016	Process Water	0	0
J2 Range Northern	J2N-INF-EF	J2N-INF-EF-118A	N	07/11/2016	Process Water	0	0
Former D Range	SSFDR06	FDR06_A	N	07/11/2016	Soil	0	0.25
Former D Range	SSFDR135GT	FDR135GT_A	N	07/11/2016	Soil	0	0.25
J2 Range Northern	J2N-MID-2E	J2N-MID-2E-118A	N	07/11/2016	Process Water	0	0
J2 Range Northern	J2N-MID-1E	J2N-MID-1E-118A	N	07/11/2016	Process Water	0	0
Former D Range	SSD-AA	D-AA_A	N	07/11/2016	Soil	0	0.25
Former D Range	SSFDR05	FDR05_A	N	07/11/2016	Soil	0	0.25
Former D Range	SSFDR135U	FDR135U_C	FR	07/11/2016	Soil	0	0.25
Former D Range	SSFDR135U	FDR135U_B	FR	07/11/2016	Soil	0	0.25
Former D Range	SSFDR135U	FDR135U_A	N	07/11/2016	Soil	0	0.25
Demolition Area 1	BH-661	D1P-4_331-336	N	07/08/2016	GW Profile	331	336
J3 Range	MW-155M1	MW-155M1_F16	N	07/07/2016	Ground Water	124	134
J3 Range	MW-142M2	MW-142M2_F16	N	07/07/2016	Ground Water	140	150
Demolition Area 1	BH-661	D1P-4_321-326	N	07/07/2016	GW Profile	321	326
J3 Range	MW-636M2	MW-636M2_F16	N	07/07/2016	Ground Water	110.5	120.5
Demolition Area 1	BH-661	D1P-4_311-316	N	07/07/2016	GW Profile	311	316

N = Normal Sample  
 FD = Field Duplicate

**TABLE 1**  
**Sampling Progress: 1 July to 31 July 2016**

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-636M1	MW-636M1_F16	N	07/07/2016	Ground Water	141.6	151.6
Demolition Area 1	BH-661	D1P-4_301-306	N	07/07/2016	GW Profile	301	306
J3 Range	MW-144M2	MW-144M2_F16	N	07/07/2016	Ground Water	130	140
Central Impact Area	CIAEW3-EFF	CIAEW3-EFF_070716	N	07/07/2016	Ground Water	0	0
Central Impact Area	CIAEW3-MIDGAC	CIAEW3-POST GAC#1_070716	N	07/07/2016	Ground Water	0	0
Central Impact Area	CIAEW3-MIDIX	CIAEW3-POST IX_070716	N	07/07/2016	Ground Water	0	0
Central Impact Area	CIAEW3-INF	CIAEW3-INF_070716	N	07/07/2016	Ground Water	0	0
Demolition Area 1	BH-661	D1P-4_291-296	N	07/06/2016	GW Profile	291	296
Demolition Area 1	BH-661	D1P-4_281-286	N	07/06/2016	GW Profile	281	286
Demolition Area 1	BH-661	D1P-4_271-276	N	07/06/2016	GW Profile	271	276
Central Impact Area	CIAEW3-EFF	CIAEW3-EFF_070516	N	07/05/2016	Ground Water	0	0
Central Impact Area	CIAEW3-MIDGAC	CIAEW3-POST GAC#1_070516	N	07/05/2016	Ground Water	0	0
Central Impact Area	CIAEW3-MIDIX	CIAEW3-POST IX_070516	N	07/05/2016	Ground Water	0	0
Central Impact Area	CIAEW3-INF	CIAEW3-INF_070516	N	07/05/2016	Ground Water	0	0

**TABLE 2**  
**VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS**  
**Data Received July 2016**

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
Western Boundary	4036000-04G	4036000-04G_16Q2	55	65	06/16/2016	SW6850	Perchlorate	0.27		UG/L	2.0		0.019	0.20
Western Boundary	4036000-03G	4036000-03G_16Q2	50	60	06/16/2016	SW6850	Perchlorate	0.14	J	UG/L	2.0		0.019	0.20
Western Boundary	4036000-06G	4036000-06G_16Q2	108	128	06/16/2016	SW6850	Perchlorate	0.11	J	UG/L	2.0		0.019	0.20
Western Boundary	4036000-01G	4036000-01G_16Q2	38	70	06/16/2016	SW6850	Perchlorate	0.15	J	UG/L	2.0		0.019	0.20
Northwest Corner	RSNW06	RSNW06_S16	0	0	06/15/2016	SW6850	Perchlorate	0.20		UG/L	2.0		0.019	0.20
Northwest Corner	MW-301S	MW-301S_S16	97	107	06/15/2016	SW6850	Perchlorate	0.20		UG/L	2.0		0.019	0.20
Northwest Corner	MW-320S	MW-320S_S16	114	124	06/14/2016	SW6850	Perchlorate	0.14	J	UG/L	2.0		0.019	0.20
Northwest Corner	MW-344S	MW-344S_S16	115.5	125.5	06/14/2016	SW6850	Perchlorate	0.18	J	UG/L	2.0		0.019	0.20
Northwest Corner	MW-344M2	MW-344M2_S16	145	155	06/14/2016	SW6850	Perchlorate	1.5		UG/L	2.0		0.019	0.20
Northwest Corner	MW-344M2	MW-344M2_S16D	145	155	06/14/2016	SW6850	Perchlorate	1.5		UG/L	2.0		0.019	0.20
Northwest Corner	MW-277S	MW-277S_S16	102	112	06/14/2016	SW6850	Perchlorate	0.16	J	UG/L	2.0		0.019	0.20
Northwest Corner	MW-277M1	MW-277M1_S16	130	140	06/14/2016	SW6850	Perchlorate	0.13	J	UG/L	2.0		0.019	0.20
Northwest Corner	MW-287S	MW-287S_S16	133	143	06/13/2016	SW6850	Perchlorate	0.19	J	UG/L	2.0		0.019	0.20
Northwest Corner	MW-279S	MW-279S_S16	66	76	06/13/2016	SW6850	Perchlorate	0.26		UG/L	2.0		0.019	0.20
Northwest Corner	MW-279M2	MW-279M2_S16	83	88	06/13/2016	SW6850	Perchlorate	0.87		UG/L	2.0		0.019	0.20
Northwest Corner	MW-279M2	MW-279M2_S16D	83	88	06/13/2016	SW6850	Perchlorate	0.92		UG/L	2.0		0.019	0.20
Northwest Corner	MW-279M1	MW-279M1_S16	96	106	06/13/2016	SW6850	Perchlorate	0.20		UG/L	2.0		0.019	0.20
Northwest Corner	MW-297S	MW-297S_S16	72	82	06/09/2016	SW6850	Perchlorate	0.23		UG/L	2.0		0.019	0.20
Northwest Corner	MW-284M2	MW-284M2_S16	45	55	06/09/2016	SW6850	Perchlorate	0.62		UG/L	2.0		0.019	0.20
Northwest Corner	MW-284M1	MW-284M1_S16	115	125	06/09/2016	SW6850	Perchlorate	0.12	J	UG/L	2.0		0.019	0.20
Northwest Corner	MW-270M1	MW-270M1_S16	74	79	06/08/2016	SW6850	Perchlorate	0.25		UG/L	2.0		0.019	0.20
Northwest Corner	MW-270D	MW-270D_S16	132	137	06/08/2016	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.21		UG/L	0.60		0.025	0.20
Northwest Corner	MW-278S	MW-278S_S16	80	90	06/08/2016	SW6850	Perchlorate	0.35		UG/L	2.0		0.019	0.20
Northwest Corner	MW-278M2	MW-278M2_S16	97	102	06/08/2016	SW6850	Perchlorate	0.38		UG/L	2.0		0.019	0.20
Northwest Corner	MW-278M1	MW-278M1_S16	113	123	06/08/2016	SW6850	Perchlorate	0.35		UG/L	2.0		0.019	0.20
Northwest Corner	MW-323S	MW-323S_S16	73	83	06/07/2016	SW6850	Perchlorate	0.11	J	UG/L	2.0		0.019	0.20
Northwest Corner	MW-323M1	MW-323M1_S16	195	205	06/07/2016	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.74		UG/L	0.60	X	0.025	0.20
Northwest Corner	MW-441M2	MW-441M2_S16	109.5	119.5	06/07/2016	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.46		UG/L	400		0.019	0.20
Northwest Corner	MW-441M2	MW-441M2_S16	109.5	119.5	06/07/2016	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.9		UG/L	0.60	X	0.025	0.20
Northwest Corner	MW-441M2	MW-441M2_S16D	109.5	119.5	06/07/2016	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.46		UG/L	400		0.019	0.20
Northwest Corner	MW-441M2	MW-441M2_S16D	109.5	119.5	06/07/2016	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.8		UG/L	0.60	X	0.025	0.20
Western Boundary	MW-233M3	MW-233M3_S16	231	241	06/06/2016	SW6850	Perchlorate	0.066	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-268M1	MW-268M1_S16	97	107	06/06/2016	SW6850	Perchlorate	0.062	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-80M2	MW-80M2_S16	99	109	06/06/2016	SW6850	Perchlorate	0.045	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-80M1	MW-80M1_S16	130	140	06/06/2016	SW6850	Perchlorate	0.083	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-213M3	MW-213M3_S16	77	82	06/02/2016	SW6850	Perchlorate	0.14	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-213M2	MW-213M2_S16	89	99	06/02/2016	SW6850	Perchlorate	0.24		UG/L	2.0		0.019	0.20
Western Boundary	MW-213M2	MW-213M2_S16D	89	99	06/02/2016	SW6850	Perchlorate	0.22		UG/L	2.0		0.019	0.20
Western Boundary	MW-280M3	MW-280M3_S16	185	195	06/02/2016	SW6850	Perchlorate	0.059	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-280M2	MW-280M2_S16	202	212	06/02/2016	SW6850	Perchlorate	0.034	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-280M1	MW-280M1_S16	255	265	06/02/2016	SW6850	Perchlorate	0.033	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 July 2016**

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
Western Boundary	MW-02-09M2	MW-02-09M2_S16	59	69	06/01/2016	SW6850	Perchlorate	0.089	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-02-09M1	MW-02-09M1_S16	74	84	06/01/2016	SW6850	Perchlorate	0.15	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-02-08M3	MW-02-08M3_S16	62	67	06/01/2016	SW6850	Perchlorate	0.10	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-02-08M2	MW-02-08M2_S16	82	87	06/01/2016	SW6850	Perchlorate	0.12	J	UG/L	2.0		0.019	0.20
Western Boundary	MW-02-07M3	MW-02-07M3_S16	47	57	06/01/2016	SW6850	Perchlorate	0.14	J	UG/L	2.0		0.019	0.20
Demolition Area 2	MW-161S	MW-161S_S16	145.5	155.5	05/25/2016	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.21		UG/L	400		0.019	0.20
Demolition Area 2	MW-161S	MW-161S_S16	145.5	155.5	05/25/2016	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.9		UG/L	0.60	X	0.025	0.20
Demolition Area 2	MW-161S	MW-161S_S16D	145.5	155.5	05/25/2016	SW8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	0.23		UG/L	400		0.019	0.20
Demolition Area 2	MW-161S	MW-161S_S16D	145.5	155.5	05/25/2016	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	2.0		UG/L	0.60	X	0.025	0.20
Demolition Area 2	MW-573M2	MW-573M2_S16	155.4	165.4	05/23/2016	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.9		UG/L	0.60	X	0.025	0.20
Demolition Area 2	MW-573M2	MW-573M2_S16D	155.4	165.4	05/23/2016	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	1.8		UG/L	0.60	X	0.025	0.20
Demolition Area 2	MW-435M2	MW-435M2_S16	149.6	159.9	05/23/2016	SW8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.24		UG/L	0.60		0.025	0.20

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