MONTHLY PROGRESS REPORT #209
FOR AUGUST 2014

EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 and 1-2000-0014

JOINT BASE CAPE COD (JBCC)
(FORMERLY THE MASSACHUSETTS MILITARY RESERVATION (MMR))
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from 1 August to 31 August 2014.

1. SUMMARY OF REMEDIATION ACTIONS

The following is a description of Remediation Actions (RA) underway at Camp Edwards as of August 2014. 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 was operating at a flow rate of 250 gpm with over 2.107billion gallons of water treated and re-injected as of 29 August 2014. No Frank Perkins Road facility shut downs occurred in August.

The Pew Road Mobile Treatment Unit (MTU) continues to operate at a flow rate of 105 gpm with over 376 million gallons of water treated and re-injected as of 29 August 2014. The following Pew Road MTU shut down occurred in August:

- Shut down on 27 August 2014 at 1240 due to a media exchange, and restarted on 29 August 2014 at 0910; and
- Shut down on 29 August 2014 at 1906 due to a system alarm, and restarted on 2 September 2014 at 0748.

The Base Boundary RA continues to operate at a flow rate of 65 gpm with over 86.6 million gallons of water treated and re-injected as of 29 August 2014. No Base Boundary MTU shut downs occurred in August.

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 August 2014, over 226 million gallons of water have been treated and re-injected. The following J-1 Range Southern system shut downs occurred in August:

- Shut down on 10 August 2014 at 0741 due to a mechanical issue, and restarted on 11 August 2014 at 0942; and
- Shut down on 15 August 2014 at 1827 due to a power outage, and restarted on 18 August 2014 at 1020.

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 29 August 2014, over 87 million gallons of water have been treated and re-injected. The following J-1 Range Northern MTU shut down occurred in August.

- Shut down on 26 August 2014 at 1332 due to a mechanical issue, and restarted on 27 August 2014 at 1100.

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 three 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 195 gpm. As of 29 August 2014, over 744 million gallons of water have been treated and re-injected. The following J-3 system shut downs and re-starts occurred in August:

- Shut down on 22 August 2014 at 0841 due to a power outage, and restarted on 22 August 2014 at 0944; and
- Shut down (Extraction Well EW-IP1 only) on 23 August 2014 at 0407 due to a power outage, and restarted on 25 August 2014 at 0905.

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 Infiltration (ETI) 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 August 2014, over 528 million gallons of water have been treated and re-injected. No Northern Treatment Building shut downs occurred in August.

The Northern MTUs E and F continue to operate at a flow rate of 250 gpm. As of 29 August 2014, over 920 million gallons of water have been treated and re-injected. No J-2 Range Northern MTU shut downs occurred in August.

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 August 2014, over 610 million gallons of water have been treated and re-injected. The following shut down of MTU H and I occurred in August:

- MTUs H and I were shut down on 22 August 2014 at 0835 due to power outage and was restarted on 22 August 2014 at 1200.

MTU J continues to operate at a flow rate of 120 gpm. As of 29 August 2014, over 286 million gallons of water have been treated and re-injected. No shut downs of MTU J occurred in August:

MTU K continues to operate at a flow rate of 125 gpm. As of 29 August 2014, over 349 million gallons of water have been treated and re-injected. The following shut down of MTU H and I occurred in August:

- MTU K was shut down on 27 August 2014 at 1350 for a media exchange, and was restarted on 29 August 2014 at 1035.

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: two 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 two infiltration galleries to return treated water to the aquifer. The CIA systems 1 and 2 continue to run at a combined total flow rate of 500 gpm. As of 29 August 2014, over 157 million gallons of water have been treated and re-injected. No CIA treatment facility shutdowns occurred in August.

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, 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 from the CIA, Demolition Area 1, J-2 Range Eastern, J-2 Range Northern, J-3 Range, and Small Arms Ranges.

Soil samples were collected from the Small Arms Ranges.

Performed well development at CIA (MW-626), J-2 Range Northern (MW-640), and I Range (MW-630).

Continued vegetation clearance at J-2 Range.

Continued collection of cued Metal Mapper data 16-Acre area, and initiated vegetation clearance at CIA Phase II 10-acre area.

JBCC IAGWSP Tech Update Meeting Minutes 14 August

This meeting was very brief, and no meeting minutes are available for it.

JBCC IAGWSP Tech Update Meeting Minutes 28 August

Project and Fieldwork Update

An update was provided on Central Impact Area fieldwork. Figures depicting clearance work to date were shown and distributed. IAGWSP outlined where crews are currently working: there are two metal mapper teams operating. Dawson is performing vegetation clearance in the new 10-acre area. Approximately 1/2 clearance of the 100% QA grid has been completed. A BEM was performed on August 27th. IAGWSP will provide a project note to propose removal of the consolidated shot location. The meandering path for the J-2 Range source work has been finalized and vegetation clearance on it is ongoing.

Drilling Update
Drilling on the two monitoring well locations on Michael Road in Pocasset is scheduled to begin on September 22nd. The neighborhood notice has been finalized and will be sent prior to the start of drilling.

Demo 1
An update was provided on the appraisal of property in Pocasset. The USACE appraiser delivered the appraisal offer to the Mendes family. The family had a few questions for USACE regarding access to the property and indicated that the siblings were in agreement and all indications were that they would accept the offer. IAGWSP will provide an update of progress at the next tech meeting. EPA will look at setting a system start-up date enforceable milestone.

J-3 Range
EPA provided a revised remedy selction plan. MassDEP was provided a copy with EPA's changes to review. The redline strikeout of the draft/final RI/FS will be provided to the agencies next week. EPA proposed holding the public comment period in conjunction with the JBCC CT meeting in October and is targeting the end of the calendar year for the final Decision Document.

Small Arms Ranges Decision Document Status
The Small Arms Ranges DD was discussed. The document is with EPA. It will be provided to MassDEP for their approval process next week.

Action Items
The action items were discussed and updated.

JBCC Cleanup Team Meeting

The JBCC Cleanup Team (JBCCCT), formerly the MMR Cleanup Team (MMRCT) met on August 13, 2014, and the next meeting is scheduled to meet on October 15, 2014. The Cleanup Team meeting discusses late breaking news and responses to action items, as well as updates from the IAGWSP and 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 August through 31 August 2014. 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, Jonathan Bourne Library, Falmouth Public Library, and Sandwich Public Library).

2. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

- Monthly Progress Report No. 208 for July 2014 8/10/2014
- Draft Central Impact Area System Startup Monitoring Report 8/07/2014
- Final Demolition Area 1 2014 Environmental and System Performance Monitoring Report Response Action Groundwater Treatment Systems 8/08/2014
- Final Small Arms Ranges 2014 Annual Interim Environmental Monitoring Report 8/14/2014
- Project Note Addendum to the May 2014 Project Note for "Sampling, Soil Removal, and Monitoring at Small Arms Ranges" 8/15/2014
- Land Use Controls Monitoring Report 8/27/2014

3. SCHEDULED ACTIONS

The following documents are being prepared or revised during September 2014:

- CIA Project Note for ESTCP Metal Mapper Results;
- CIA 2013 Source Report;
- CIA System Start-up Report;
- J-2 Range Project Note for Additional Wells to evaluate source response;
- J-3 Range Draft RI/FS;
- J-3 Range Draft Remedy Selection Plan;
- Small Arms Ranges Decision Document;
- Training Areas Draft Investigation Report;
- J-1 Range Southern 6 Month System Start-up Report;
- J-1 Range Northern System Start-up Report;
- J-1 Range Northern and J-1 Range Southern 2014 Annual Interim Environmental Monitoring Report;
- Former A Range 2014 Annual Environmental Monitoring Report;
- Demolition Area 2 2014 Annual Environmental Monitoring Report;
- J-2 Range Eastern and J-2 Range Northern Environmental Monitoring Work Plan;
- Northwest Corner 2014 Annual Environmental Monitoring Report; and
- Central Impact Area 2014 Interim Environmental Monitoring Report.

TABLE 1
Sampling Progress: 1 August to 31 August 2014

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
J2 Range Eastern	J2MW-05M2	J2MW-05M2_F14	N	08/29/2014	Ground Water	185	195
J2 Range Eastern	J2MW-05M1	J2MW-05M1_F14	N	08/29/2014	Ground Water	225	235
Demolition Area 1	MW-258M1	MW-258M1_T14	N	08/29/2014	Ground Water	109	119
Demolition Area 1	MW-532M2	MW-532M2_T14	N	08/29/2014	Ground Water	138	148
Demolition Area 1	MW-532M1	MW-532M1_T14	N	08/29/2014	Ground Water	168	178
Demolition Area 1	MW-431	MW-431_T14	N	08/29/2014	Ground Water	88	188
Demolition Area 1	MW-432	MW-432_T14	N	08/29/2014	Ground Water	88	188
J3 Range	MW-171M2	MW-171M2_F14	N	08/28/2014	Ground Water	81	86
J2 Range Northern	MW-585M3	MW-585M3_F14	N	08/26/2014	Ground Water	198.5	208.5
J2 Range Northern	MW-585M3	MW-585M3_F14D	FD	08/26/2014	Ground Water	198.5	208.5
J2 Range Northern	MW-585M2	MW-585M2_F14	N	08/26/2014	Ground Water	218.5	228.5
J2 Range Northern	MW-585M2	MW-585M2_F14D	FD	08/26/2014	Ground Water	218.5	228.5
J2 Range Northern	MW-585M1	MW-585M1_F14	N	08/26/2014	Ground Water	240	250
J2 Range Northern	MW-289S	MW-289S_F14	N	08/26/2014	Ground Water	105	115
J2 Range Northern	MW-289M2	MW-289M2_F14	N	08/26/2014	Ground Water	162	172
J2 Range Northern	MW-289M2	MW-289M2_F14D	FD	08/26/2014	Ground Water	162	172
J2 Range Northern	MW-289M1	MW-289M1_F14	N	08/26/2014	Ground Water	305	315
J2 Range Northern	MW-588M2	MW-588M2_F14	N	08/25/2014	Ground Water	198	208
J2 Range Northern	MW-588M2	MW-588M2_F14D	FD	08/25/2014	Ground Water	198	208
J2 Range Northern	MW-588M1	MW-588M1_F14	N	08/25/2014	Ground Water	238	248
J2 Range Northern	MW-293S	MW-293S_F14	N	08/25/2014	Ground Water	110.1	120.1
J2 Range Northern	MW-293M2	MW-293M2_F14	N	08/25/2014	Ground Water	196.4	206.4
J2 Range Northern	MW-293M1	MW-293M1_F14	N	08/25/2014	Ground Water	296	306
J2 Range Northern	MW-587M2	MW-587M2_F14	N	08/25/2014	Ground Water	220	230
J2 Range Northern	MW-587M2	MW-587M2_F14D	FD	08/25/2014	Ground Water	220	230
J2 Range Northern	MW-587M1	MW-587M1_F14	N	08/22/2014	Ground Water	250	260
J2 Range Northern	MW-313M3	MW-313M3_F14	N	08/22/2014	Ground Water	195.1	205.6
J2 Range Northern	MW-313M2	MW-313M2_F14	N	08/22/2014	Ground Water	215.5	225.5
J2 Range Northern	MW-313M1	MW-313M1_F14	N	08/22/2014	Ground Water	255.4	265.4
SW Range	MW-466S	MW-466S_AUG14	N	08/22/2014	Ground Water	132.95	142.95
J2 Range Northern	MW-327M3	MW-327M3_F14	N	08/22/2014	Ground Water	220.2	230.2
T Range	MW-467S	MW-467S_AUG14	N	08/22/2014	Ground Water	124.94	134.94
K Range	MW-474S	MW-474S_AUG14	N	08/21/2014	Ground Water	86.4	96.4
J2 Range Northern	MW-327M2	MW-327M2_F14	N	08/21/2014	Ground Water	265	275
J2 Range Northern	MW-327M1	MW-327M1_F14	N	08/21/2014	Ground Water	296.1	306
N Range	NR02DR	MISNR02DR-A	N	08/21/2014	SOIL	0	0.25
N Range	NR01DR	MISNR01DR-A_R2	FR	08/21/2014	SOIL	0	0.25
J2 Range Northern	J2EW3-MW1-B	J2EW3-MW1-B_F14	N	08/21/2014	Ground Water	210.7	220.7
N Range	NR01DR	MISNR01DR-A_R1	FR	08/21/2014	SOIL	0	0.25
J2 Range Northern	J2EW3-MW1-C	J2EW3-MW1-C_F14	N	08/21/2014	Ground Water	245.7	255.7
N Range	NR01DR	MISNR01DR-A	N	08/21/2014	SOIL	0	0.25
C Range	CR04S	MISCR04S-A_R2	FR	08/20/2014	SOIL	0	0.25
C Range	CR04S	MISCR04S-A_R1	FR	08/20/2014	SOIL	0	0.25
SW Range	MW-465S	MW-465S_AUG14	N	08/20/2014	Ground Water	136.46	146.46
C Range	CR04S	MISCR04S-A	N	08/20/2014	SOIL	0	0.25
J Range	MW-471S	MW-471S_AUG14	N	08/20/2014	Ground Water	84.6	94.6
J Range	MW-471S	MW-471S_AUG14D	FD	08/20/2014	Ground Water	84.6	94.6
J2 Range Northern	J2EW2-MW3-B	J2EW2-MW3-B_F14	N	08/19/2014	Ground Water	212.7	222.7
J2 Range Northern	J2EW2-MW3-B	J2EW2-MW3-B_F14D	FD	08/19/2014	Ground Water	212.7	222.7
C Range	CR04N	MISCR04N-A	N	08/19/2014	SOIL	0	0.25
J2 Range Northern	J2EW2-MW3-C	J2EW2-MW3-C_F14	N	08/19/2014	Ground Water	246	256
J Range	MW-472S	MW-472S_AUG14	N	08/19/2014	Ground Water	85.3	95.3
C Range	CR02DR	MISCR02DR-A_R2	FR	08/19/2014	SOIL	0	0.25
C Range	CR02DR	MISCR02DR-A_R1	FR	08/19/2014	SOIL	0	0.25
J2 Range Northern	J2EW3-MW-2-B	J2EW3-MW-2-B_F14	N	08/19/2014	Ground Water	216.2	226.2
C Range	CR02DR	MISCR02DR-A	N	08/19/2014	SOIL	0	0.25
J2 Range Northern	J2EW3-MW-2-C	J2EW3-MW-2-C_F14	N	08/18/2014	Ground Water	251.1	261.1
J2 Range Northern	J2EW2-MW2-A	J2EW2-MW2-A_F14	N	08/18/2014	Ground Water	144.5	154.5
J2 Range Northern	J2EW2-MW2-B	J2EW2-MW2-B_F14	N	08/18/2014	Ground Water	209.8	219.8
J2 Range Northern	J2EW2-MW2-C	J2EW2-MW2-C_F14	N	08/18/2014	Ground Water	248.8	258.8
J2 Range Northern	MW-322M1	MW-322M1_F14	N	08/18/2014	Ground Water	245.8	255.8
J2 Range Northern	MW-340M2	MW-340M2_F14	N	08/15/2014	Ground Water	215.8	225.1
J2 Range Northern	MW-340M1	MW-340M1_F14	N	08/15/2014	Ground Water	255.9	265.9
J2 Range Northern	MW-640M2	MW-640M2_R1	N	08/14/2014	Ground Water	215.5	225.5
J2 Range Northern	MW-640M1	MW-640M1_R1	N	08/14/2014	Ground Water	245.5	255.5
J2 Range Northern	MW-586M2	MW-586M2_F14	N	08/14/2014	Ground Water	211	221
J2 Range Northern	MW-586M1	MW-586M1_F14	N	08/12/2014	Ground Water	237	247
J2 Range Northern	J2EW1-MW1-C	J2EW1-MW1-C_F14	N	08/12/2014	Ground Water	240.8	250.8
J2 Range Northern	J2EW1-MW1-B	J2EW1-MW1-B_F14	N	08/12/2014	Ground Water	205.8	215.8

N = Normal Sample
FD = Field Duplicate

TABLE 1
Sampling Progress: 1 August to 31 August 2014

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
J2 Range Northern	J2EW1-MW1-A	J2EW1-MW1-A_F14	N	08/12/2014	Ground Water	140.8	150.8
Central Impact Area	MW-626M2	MW-626M2_R1	N	08/11/2014	Ground Water	236.2	246.2
Central Impact Area	MW-626M1	MW-626M1_R1	N	08/11/2014	Ground Water	281.2	291.2
I Range	MW-639S	MW-639S_R1	N	08/11/2014	Ground Water	87	97
J2 Range Northern	MW-589M2	MW-589M2_F14	N	08/07/2014	Ground Water	211	221
J2 Range Northern	MW-589M2	MW-589M2_F14D	FD	08/07/2014	Ground Water	211	221
J2 Range Northern	MW-589M1	MW-589M1_F14	N	08/07/2014	Ground Water	240	250
Demolition Area 1	PR-EFF	PR-EFF-101A	N	08/07/2014	Process Water	0	0
Demolition Area 1	PR-MID-2	PR-MID-2-101A	N	08/07/2014	Process Water	0	0
Demolition Area 1	PR-MID-1	PR-MID-1-101A	N	08/07/2014	Process Water	0	0
Demolition Area 1	PR-INF	PR-INF-101A	N	08/07/2014	Process Water	0	0
J2 Range Northern	MW-229M4	MW-229M4_F14	N	08/07/2014	Ground Water	117	127
Demolition Area 1	FPR-2-EFF	FPR-2-EFF-101A	N	08/07/2014	Process Water	0	0
Demolition Area 1	FPR-2-GAC-MID3A	FPR-2-GAC-MID3A-101A	N	08/07/2014	Process Water	0	0
Demolition Area 1	FPR2-POST-IX-A	FPR2-POST-IX-A-101A	N	08/07/2014	Process Water	0	0
Demolition Area 1	FPR-2-INF	FPR-2-INF-101A	N	08/07/2014	Process Water	0	0
J2 Range Northern	MW-229M3	MW-229M3_F14	N	08/07/2014	Ground Water	141	151
Demolition Area 1	D1-EFF	D1-EFF-49A	N	08/07/2014	Process Water	0	0
Demolition Area 1	D1-MID-2	D1-MID-2-49A	N	08/07/2014	Process Water	0	0
J2 Range Northern	MW-229M2	MW-229M2_F14	N	08/07/2014	Ground Water	206	216
Demolition Area 1	D1-MID-1	D1-MID-1-49A	N	08/07/2014	Process Water	0	0
Demolition Area 1	D1-INF	D1-INF-49A	N	08/07/2014	Process Water	0	0
M-2	FM2R02DR	MISFM2R02DR-A	N	08/07/2014	SOIL	0	0.25
J2 Range Northern	MW-229M1	MW-229M1_F14	N	08/07/2014	Ground Water	286	296
J2 Range Northern	MW-234M2	MW-234M2_F14	N	08/06/2014	Ground Water	110	120
J2 Range Northern	MW-234M2	MW-234M2_F14D	FD	08/06/2014	Ground Water	110	120
M-2	FM2R05DR	MISFM2R05DR-A	N	08/06/2014	SOIL	0	0.25
J2 Range Northern	MW-234M1	MW-234M1_F14	N	08/06/2014	Ground Water	130	140
M-2	FM2R04DR	MISFM2R04DR-A	N	08/06/2014	SOIL	0	0.25
J3 Range	J3-EFF	J3-EFF-95A	N	08/06/2014	Process Water	0	0
J3 Range	J3-MID-2	J3-MID-2-95A	N	08/06/2014	Process Water	0	0
J2 Range Northern	MW-130S	MW-130S_F14	N	08/06/2014	Ground Water	103	113
J3 Range	J3-MID-1	J3-MID-1-95A	N	08/06/2014	Process Water	0	0
J3 Range	J3-INF	J3-INF-95A	N	08/06/2014	Process Water	0	0
J1 Range Southern	J1S-EFF	J1S-EFF-81A	N	08/06/2014	Process Water	0	0
M-2	FM2R03DR	MISFM2R03DR-A_R2	FR	08/06/2014	SOIL	0	0.25
J1 Range Southern	J1S-MID-2	J1S-MID-2-81A	N	08/06/2014	Process Water	0	0
J2 Range Northern	MW-130M1	MW-130M1_F14	N	08/06/2014	Ground Water	160	170
J1 Range Southern	J1S-INF-2	J1S-INF-2-81A	N	08/06/2014	Process Water	0	0
M-2	FM2R03DR	MISFM2R03DR-A_R1	FR	08/06/2014	SOIL	0	0.25
J2 Range Northern	MW-130D	MW-130D_F14	N	08/06/2014	Ground Water	320	330
Central Impact Area	CIA2-EFF	CIA2-EFF-07A	N	08/06/2014	Process Water	0	0
Central Impact Area	CIA2-MID2	CIA2-MID2-07A	N	08/06/2014	Process Water	0	0
Central Impact Area	CIA2-MID1	CIA2-MID1-07A	N	08/06/2014	Process Water	0	0
Central Impact Area	CIA2-INF	CIA2-INF-07A	N	08/06/2014	Process Water	0	0
M-2	FM2R03DR	MISFM2R03DR-A	N	08/06/2014	SOIL	0	0.25
Central Impact Area	CIA1-EFF	CIA1-EFF-07A	N	08/06/2014	Process Water	0	0
Central Impact Area	CIA1-MID2	CIA1-MID2-07A	N	08/06/2014	Process Water	0	0
Central Impact Area	CIA1-MID1	CIA1-MID1-07A	N	08/06/2014	Process Water	0	0
J2 Range Northern	MW-230M2	MW-230M2_F14	N	08/06/2014	Ground Water	110	120
Central Impact Area	CIA1-INF	CIA1-INF-07A	N	08/06/2014	Process Water	0	0
J2 Range Northern	MW-230M1	MW-230M1_F14	N	08/06/2014	Ground Water	130	140
Central Impact Area	MW-607M3	MW-607M3_R3	N	08/05/2014	Ground Water	157.4	167.4
J2 Range Eastern	J2E-EFF-IH	J2E-EFF-IH-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-MID-2H	J2E-MID-2H-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-MID-1H	J2E-MID-1H-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-MID-2I	J2E-MID-2I-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-MID-1I	J2E-MID-1I-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-INF-I	J2E-INF-I-71A	N	08/05/2014	Process Water	0	0
Central Impact Area	MW-607M2	MW-607M2_R3	N	08/05/2014	Ground Water	177.4	187.4
Central Impact Area	MW-607M1	MW-607M1_R3	N	08/05/2014	Ground Water	207.4	217.4
J2 Range Eastern	J2E-EFF-K	J2E-EFF-K-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-MID-2K	J2E-MID-2K-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-MID-1K	J2E-MID-1K-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-INF-K	J2E-INF-K-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-EFF-J	J2E-EFF-J-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-MID-2J	J2E-MID-2J-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-MID-1J	J2E-MID-1J-71A	N	08/05/2014	Process Water	0	0
J2 Range Eastern	J2E-INF-J	J2E-INF-J-71A	N	08/05/2014	Process Water	0	0

N = Normal Sample
FD = Field Duplicate

TABLE 1

Sampling Progress: 1 August to 31 August 2014

Area Of Concern	Location	Field Sample ID	Sample Type	Date Sampled	Matrix	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
Central Impact Area	MW-609M2	MW-609M2_R3	N	08/05/2014	Ground Water	182.4	192.4
Central Impact Area	MW-609M1	MW-609M1_R3	N	08/05/2014	Ground Water	210.4	220.4
Central Impact Area	MW-608M4	MW-608M4_R3	N	08/04/2014	Ground Water	185.4	195.4
J2 Range Northern	J2N-EFF-G	J2N-EFF-G-95A	N	08/04/2014	Process Water	0	0
J2 Range Northern	J2N-MID-2G	J2N-MID-2G-95A	N	08/04/2014	Process Water	0	0
J2 Range Northern	J2N-MID-1G	J2N-MID-1G-95A	N	08/04/2014	Process Water	0	0
J2 Range Northern	J2N-INF-G	J2N-INF-G-95A	N	08/04/2014	Process Water	0	0
Central Impact Area	MW-608M3	MW-608M3_R3	N	08/04/2014	Ground Water	220.4	230.4
Central Impact Area	MW-608M2	MW-608M2_R3	N	08/04/2014	Ground Water	253.4	263.4
Central Impact Area	MW-608M2	MW-608M2_R3D	FD	08/04/2014	Ground Water	253.4	263.4
J2 Range Northern	J2N-EFF-EF	J2N-EFF-EF-95A	N	08/04/2014	Process Water	0	0
J2 Range Northern	J2N-MID-2F	J2N-MID-2F-95A	N	08/04/2014	Process Water	0	0
J2 Range Northern	J2N-MID-1F	J2N-MID-1F-95A	N	08/04/2014	Process Water	0	0
J2 Range Northern	J2N-INF-EF	J2N-INF-EF-95A	N	08/04/2014	Process Water	0	0
J2 Range Northern	J2N-MID-2E	J2N-MID-2E-95A	N	08/04/2014	Process Water	0	0
J2 Range Northern	J2N-MID-1E	J2N-MID-1E-95A	N	08/04/2014	Process Water	0	0
Central Impact Area	MW-608M1	MW-608M1_R3	N	08/04/2014	Ground Water	267.4	277.4
J1 Range Northern	J1N-EFF	J1N-EFF-10A	N	08/04/2014	Process Water	0	0
J1 Range Northern	J1N-MID2	J1N-MID2-10A	N	08/04/2014	Process Water	0	0
J1 Range Northern	J1N-MID1	J1N-MID1-10A	N	08/04/2014	Process Water	0	0
J1 Range Northern	J1N-INF2	J1N-INF2-10A	N	08/04/2014	Process Water	0	0
Former D Range	FDR135U	MISFDR135U-A	N	08/01/2014	SOIL	0	0.25
Former D Range	FDR135GT	MISFDR135GT-A_R2	FR	08/01/2014	SOIL	0	0.25
Former D Range	FDR135GT	MISFDR135GT-A_R1	FR	08/01/2014	SOIL	0	0.25
Former D Range	FDR135GT	MISFDR135GT-A	N	08/01/2014	SOIL	0	0.25
Former B Range	FBR140QR	MISFBR140QR-A	N	08/01/2014	SOIL	0	0.25

N = Normal Sample
FD = Field Duplicate

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
Data Received August 2014

Area of Concern	Location ID	Field Sample ID	Top Depth (ft bgs)	Bottom Depth (ft bgs)	Date Sampled	Test Method	Analyte	Result Value	Qualifier	Units	MCL/HA	> MCL/HA	MDL	RL
J2 Range Northern	MW-63M2	MW-63M2_F14	214	224	07/24/2014	SW6850	Perchlorate	0.030	J	UG/L	2.0		0.019	0.20
J2 Range Northern	MW-63M1	MW-63M1_F14	244	254	07/24/2014	SW6850	Perchlorate	0.021	J	UG/L	2.0		0.019	0.20
J2 Range Northern	MW-345M2	MW-345M2_F14	236.6	246.6	07/24/2014	SW6850	Perchlorate	0.023	J	UG/L	2.0		0.019	0.20
L Range	MW-242M1	MW-242M1_F14	235	245	07/23/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	3.9		UG/L	0.60	X	0.026	0.20
L Range	MW-595M1	MW-595M1_F14	255.3	265.3	07/23/2014	SW8330	2,4,6-Trinitrotoluene	0.38		UG/L	2.0		0.029	0.20
L Range	MW-595M1	MW-595M1_F14	255.3	265.3	07/23/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.62		UG/L	0.60	X	0.026	0.20
J3 Range	90MW0014	90MW0014_F14	103	108	07/23/2014	SW6850	Perchlorate	0.29		UG/L	2.0		0.019	0.20
J3 Range	MW-361M3	MW-361M3_F14	60	70	07/21/2014	SW6850	Perchlorate	0.040	J	UG/L	2.0		0.019	0.20
J3 Range	MW-361M2	MW-361M2_F14	104	114	07/21/2014	SW6850	Perchlorate	0.020	J	UG/L	2.0		0.019	0.20
J3 Range	MW-361M1	MW-361M1_F14	134	144	07/21/2014	SW6850	Perchlorate	0.12	J	UG/L	2.0		0.019	0.20
J3 Range	RS0011OSNK	RS0011OSNK_F14	0	0	07/17/2014	SW6850	Perchlorate	0.43		UG/L	2.0		0.019	0.20
J3 Range	90PZ0204	90PZ0204_F14	80	85	07/17/2014	SW6850	Perchlorate	0.055	J	UG/L	2.0		0.019	0.20
J3 Range	MW-217M2	MW-217M2_F14	138	143	07/17/2014	SW6850	Perchlorate	0.050	J	UG/L	2.0		0.019	0.20
J3 Range	90PZ0211	90PZ0211_F14	80	110	07/17/2014	SW6850	Perchlorate	0.066	J	UG/L	2.0		0.019	0.20
J3 Range	MW-155M1	MW-155M1_F14	124	134	07/16/2014	SW6850	Perchlorate	0.076	J	UG/L	2.0		0.019	0.20
J3 Range	MW-227M3	MW-227M3_F14	65	75	07/16/2014	SW6850	Perchlorate	0.041	J	UG/L	2.0		0.019	0.20
J3 Range	MW-227M2	MW-227M2_F14	110	120	07/16/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	0.69		UG/L	400		0.023	0.20
J3 Range	MW-227M2	MW-227M2_F14	110	120	07/16/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	1.3		UG/L	0.60	X	0.026	0.20
J3 Range	MW-227M2	MW-227M2_F14	110	120	07/16/2014	SW6850	Perchlorate	2.2		UG/L	2.0	X	0.019	0.20
J3 Range	MW-227M2	MW-227M2_F14D	110	120	07/16/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	0.68		UG/L	400		0.023	0.20
J3 Range	MW-227M2	MW-227M2_F14D	110	120	07/16/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	1.3		UG/L	0.60	X	0.026	0.20
J3 Range	MW-227M2	MW-227M2_F14D	110	120	07/16/2014	SW6850	Perchlorate	2.1		UG/L	2.0	X	0.019	0.20
J2 Range Northern	MW-620M1	MW-620M1_R2	268.6	278.6	07/16/2014	SW6850	Perchlorate	0.020	J	UG/L	2.0		0.019	0.20
J3 Range	MW-343M2	MW-343M2_F14	166.8	171.8	07/15/2014	SW6850	Perchlorate	0.51		UG/L	2.0		0.019	0.20
J3 Range	MW-343M1	MW-343M1_F14	214.8	224.8	07/15/2014	SW6850	Perchlorate	1.3		UG/L	2.0		0.019	0.20
J3 Range	MW-343M1	MW-343M1_F14D	214.8	224.8	07/15/2014	SW6850	Perchlorate	1.3		UG/L	2.0		0.019	0.20
J3 Range	MW-243M2	MW-243M2_F14	84.5	94.5	07/15/2014	SW6850	Perchlorate	0.38		UG/L	2.0		0.019	0.20
J3 Range	MW-243M1	MW-243M1_F14	114.5	124.5	07/15/2014	SW6850	Perchlorate	0.45		UG/L	2.0		0.019	0.20
J3 Range	MW-295M2	MW-295M2_F14	117	127	07/15/2014	SW6850	Perchlorate	0.096	J	UG/L	2.0		0.019	0.20
J3 Range	MW-295M1	MW-295M1_F14	145	155	07/15/2014	SW6850	Perchlorate	1.9		UG/L	2.0		0.019	0.20
J3 Range	MW-359M2	MW-359M2_F14	148.6	158.6	07/15/2014	SW6850	Perchlorate	0.19	J	UG/L	2.0		0.019	0.20
J3 Range	MW-163S	MW-163S_F14	38	48	07/14/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	0.34		UG/L	400		0.023	0.20
J3 Range	MW-163S	MW-163S_F14	38	48	07/14/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	2.6		UG/L	0.60	X	0.026	0.20
J3 Range	MW-163S	MW-163S_F14	38	48	07/14/2014	SW6850	Perchlorate	2.8		UG/L	2.0	X	0.019	0.20
J3 Range	MW-163S	MW-163S_F14D	38	48	07/14/2014	SW6850	Perchlorate	2.8		UG/L	2.0	X	0.019	0.20
J3 Range	MW-232M2	MW-232M2_F14	61	66	07/14/2014	SW6850	Perchlorate	0.51		UG/L	2.0		0.019	0.20
J3 Range	MW-232M1	MW-232M1_F14	77.5	82.5	07/14/2014	SW6850	Perchlorate	0.51		UG/L	2.0		0.019	0.20
J3 Range	MW-198M4	MW-198M4_F14	70	75	07/14/2014	SW6850	Perchlorate	0.58		UG/L	2.0		0.019	0.20
J3 Range	MW-198M4	MW-198M4_F14	70	75	07/14/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	5.0		UG/L	400		0.023	0.20
J3 Range	MW-198M4	MW-198M4_F14	70	75	07/14/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	5.1		UG/L	0.60	X	0.026	0.20
J3 Range	MW-198M4	MW-198M4_F14D	70	75	07/14/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	5.1		UG/L	0.60	X	0.026	0.20
J3 Range	MW-198M4	MW-198M4_F14D	70	75	07/14/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	5.1		UG/L	400		0.023	0.20
J3 Range	MW-198M3	MW-198M3_F14	100	105	07/14/2014	SW6850	Perchlorate	2.4		UG/L	2.0	X	0.019	0.20

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

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

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
Data Received August 2014

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
J3 Range	MW-198M3	MW-198M3_F14D	100	105	07/14/2014	SW6850	Perchlorate	2.6		UG/L	2.0	X	0.019	0.20
J3 Range	MW-198M2	MW-198M2_F14	120	125	07/14/2014	SW6850	Perchlorate	0.97		UG/L	2.0		0.019	0.20
J3 Range	MW-198M1	MW-198M1_F14	150	155	07/14/2014	SW6850	Perchlorate	0.024	J	UG/L	2.0		0.019	0.20
J3 Range	MW-142M2	MW-142M2_F14	140	150	07/08/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.21		UG/L	0.60		0.026	0.20
J3 Range	MW-142M2	MW-142M2_F14	140	150	07/08/2014	SW6850	Perchlorate	0.31		UG/L	2.0		0.019	0.20
J3 Range	MW-142M2	MW-142M2_F14	140	150	07/08/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	0.81		UG/L	400		0.023	0.20
J3 Range	MW-142M2	MW-142M2_F14D	140	150	07/08/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.23		UG/L	0.60		0.026	0.20
J3 Range	MW-142M2	MW-142M2_F14D	140	150	07/08/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	0.86		UG/L	400		0.023	0.20
J3 Range	90MW0054	90MW0054_F14	107	112	07/08/2014	SW6850	Perchlorate	6.7		UG/L	2.0	X	0.019	0.20
J3 Range	MW-157M3	MW-157M3_F14	70	80	07/08/2014	SW6850	Perchlorate	0.081	J	UG/L	2.0		0.019	0.20
J3 Range	MW-157M3	MW-157M3_F14	70	80	07/08/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	0.29		UG/L	400		0.023	0.20
J3 Range	MW-157M2	MW-157M2_F14	110	120	07/08/2014	SW6850	Perchlorate	0.16	J	UG/L	2.0		0.019	0.20
J3 Range	MW-157M1	MW-157M1_F14	154	164	07/08/2014	SW6850	Perchlorate	0.30		UG/L	2.0		0.019	0.20
J3 Range	MW-329M2	MW-329M2_F14	150.1	160.1	07/08/2014	SW6850	Perchlorate	0.38		UG/L	2.0		0.019	0.20
J3 Range	MW-329M1	MW-329M1_F14	180	190	07/07/2014	SW6850	Perchlorate	0.20		UG/L	2.0		0.019	0.20
J3 Range	MW-247M3	MW-247M3_F14	95	105	07/07/2014	SW6850	Perchlorate	0.20		UG/L	2.0		0.019	0.20
J3 Range	MW-247M2	MW-247M2_F14	125	135	07/07/2014	SW6850	Perchlorate	0.048	J	UG/L	2.0		0.019	0.20
J3 Range	MW-250M3	MW-250M3_F14	95	105	07/07/2014	SW6850	Perchlorate	0.61		UG/L	2.0		0.019	0.20
J3 Range	MW-250M3	MW-250M3_F14D	95	105	07/07/2014	SW6850	Perchlorate	0.60		UG/L	2.0		0.019	0.20
J3 Range	MW-250M2	MW-250M2_F14	145	155	07/07/2014	SW6850	Perchlorate	0.74		UG/L	2.0		0.019	0.20
J3 Range	MW-250M2	MW-250M2_F14	145	155	07/07/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	1.6		UG/L	0.60	X	0.026	0.20
J3 Range	MW-193S	MW-193S_F14	32.5	37.5	07/03/2014	SW6850	Perchlorate	0.053	J	UG/L	2.0		0.019	0.20
J3 Range	MW-193S	MW-193S_F14	32.5	37.5	07/03/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	1.7		UG/L	0.60	X	0.026	0.20
J3 Range	MW-193M1	MW-193M1_F14	57.5	62.5	07/03/2014	SW6850	Perchlorate	0.21		UG/L	2.0		0.019	0.20
J3 Range	MW-193M1	MW-193M1_F14	57.5	62.5	07/03/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	2.5		UG/L	400		0.023	0.20
J3 Range	MW-197M3	MW-197M3_F14	60.2	65.2	07/03/2014	SW6850	Perchlorate	0.38		UG/L	2.0		0.019	0.20
J3 Range	MW-197M3	MW-197M3_F14	60.2	65.2	07/03/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	1.6		UG/L	400		0.023	0.20
J3 Range	MW-197M2	MW-197M2_F14	80.2	85.2	07/03/2014	SW6850	Perchlorate	0.42		UG/L	2.0		0.019	0.20
J3 Range	MW-197M2	MW-197M2_F14	80.2	85.2	07/03/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	0.65		UG/L	400		0.023	0.20
J3 Range	90EW0001	90EW0001_F14	83.1	143.8	07/03/2014	SW6850	Perchlorate	0.43		UG/L	2.0		0.019	0.20
J3 Range	90EW0001	90EW0001_F14	83.1	143.8	07/03/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	0.96		UG/L	400		0.023	0.20
J3 Range	J3EW0032	J3EW0032_F14	102	152	07/03/2014	SW6850	Perchlorate	0.60		UG/L	2.0		0.019	0.20
J3 Range	J3EW0032	J3EW0032_F14	102	152	07/03/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	1.6		UG/L	0.60	X	0.026	0.20
J3 Range	J3EW0032	J3EW0032_F14D	102	152	07/03/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	1.5		UG/L	0.60	X	0.026	0.20
J3 Range	J3EWIP1	J3EWIP1_F14	153	193	07/03/2014	SW8330	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	0.29		UG/L	400		0.023	0.20
J3 Range	J3EWIP1	J3EWIP1_F14	153	193	07/03/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.34		UG/L	0.60		0.026	0.20
J3 Range	J3EWIP1	J3EWIP1_F14	153	193	07/03/2014	SW6850	Perchlorate	9.4		UG/L	2.0	X	0.019	0.20
J3 Range	J3EWIP1	J3EWIP1_F14D	153	193	07/03/2014	SW6850	Perchlorate	8.6		UG/L	2.0	X	0.019	0.20
J3 Range	J3-MW-1-B	J3-MW-1-B_F14	175.6	185.6	07/02/2014	SW6850	Perchlorate	0.93		UG/L	2.0		0.019	0.20
Northwest Corner	RSNW01	RSNW01_S14	0	0	06/25/2014	SW6860	Perchlorate	0.081		UG/L	2.0		0.011	0.050
Northwest Corner	RSNW06	RSNW06_S14	0	0	06/25/2014	SW6860	Perchlorate	0.36		UG/L	2.0		0.011	0.050
Western Boundary	4036000-04G	4036000-	55	65	06/25/2014	SW6860	Perchlorate	0.18		UG/L	2.0		0.011	0.050
Western Boundary	4036000-03G	4036000-	50	60	06/25/2014	SW6860	Perchlorate	0.15		UG/L	2.0		0.011	0.050

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

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

TABLE 2
VALIDATED EXPLOSIVE AND PERCHLORATE RESULTS
Data Received August 2014

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	4036000-06G	4036000-	108	128	06/25/2014	SW6860	Perchlorate	0.12		UG/L	2.0		0.011	0.050
Western Boundary	4036000-01G	4036000-	38	70	06/25/2014	SW6860	Perchlorate	0.14		UG/L	2.0		0.011	0.050
Northwest Corner	MW-314S	MW-314S_S14	24	34	06/24/2014	SW6860	Perchlorate	0.20		UG/L	2.0		0.011	0.050
Northwest Corner	MW-309S	MW-309S_S14	32	42	06/23/2014	SW6860	Perchlorate	0.11		UG/L	2.0		0.011	0.050
Northwest Corner	MW-309M1	MW-309M1_S14	65	75	06/23/2014	SW6860	Perchlorate	0.10		UG/L	2.0		0.011	0.050
Northwest Corner	MW-297M1	MW-297M1_S14	92	102	06/23/2014	SW6860	Perchlorate	0.46		UG/L	2.0		0.011	0.050
Northwest Corner	MW-298S	MW-298S_S14	83	93	06/23/2014	SW6860	Perchlorate	0.072		UG/L	2.0		0.011	0.050
Northwest Corner	95-16	95-16_S14	84	90	06/23/2014	SW6860	Perchlorate	0.042	J	UG/L	2.0		0.011	0.050
Northwest Corner	MW-270D	MW-270D_S14	132	137	06/17/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.33		UG/L	0.60		0.026	0.20
Northwest Corner	MW-284M1	MW-284M1_S14	115	125	06/17/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.20		UG/L	0.60		0.026	0.20
Northwest Corner	MW-441M2	MW-441M2_S14	109.5	119.5	06/16/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.84		UG/L	0.60	X	0.026	0.20
Northwest Corner	MW-441M2	MW-441M2_S14D	109.5	119.5	06/16/2014	SW8330	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.85		UG/L	0.60	X	0.026	0.20

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

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