INTERIM MONTH REPORT
FOR NOVEMBER 1 – NOVEMBER 11, 2005

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

MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from November 1 through November 11, 2005.

1. SUMMARY OF REMEDIATION ACTIONS

The following is a description of remediation actions taken as part of or in preparation for Rapid Response Action (RRA) Plans for various Areas of Concern at Camp Edwards through November 11, 2005. A Rapid Response Action 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.

Demo Area 1 Groundwater RRA

The Demo Area 1 Groundwater RRA consists of the removal and treatment of contaminated groundwater to control further migration of explosives and perchlorate. Extraction, treatment, and recharge systems (ETR) at Frank Perkins Road and Pew Road include single extraction wells, ex-situ treatment processes to remove explosives and perchlorate from the groundwater and injection wells to return treated water to the aquifer.

The Pew Road ETR continues operation at a flow rate of 100 gallons per minute (gpm). Perchlorate and hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) have been detected in influent samples. The Granular Activated Carbon (GAC) media was exchanged in the first and second pair of treatment vessels on March 9, 2005 and again on August 1, 2005. Perchlorate breakthrough was detected after the first pair of GAC vessels and has not been detected after the second pair of GAC vessels. RDX has not been detected in any mid-fluent samples. Perchlorate and RDX have not been detected in samples collected from the effluent. As of November 11, 2005, approximately 59 million gallons of water have been treated and re-injected at the Pew Road ETR System.

The Frank Perkins Road ETR continues operation at a flow rate of 220 gpm. Perchlorate, RDX, and octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) have been detected in influent samples. Perchlorate was detected in mid-fluent samples collected after the first pair of GAC vessels in each of the three treatment containers. The GAC vessels are followed by ion exchange (IX) vessels, which are designed for treatment of perchlorate. Perchlorate and RDX have not been detected in mid-fluent samples collected after the IX vessels or in effluent samples. As of November 11, 2005, approximately 126 million gallons of water had been treated and re-injected at the Frank Perkins Road ETR System.

Demo Area 1 Soil RRA

The Demo Area 1 Soil RRA consisted of the removal of all geophysical anomalies within the perimeter road (7.4 acres) and the removal and thermal treatment of contaminated soil from in and around the Demo 1 kettle hole. A total of 16,641 cubic yards of soil was excavated at Demo Area 1, with an additional 195 cubic yards excavated at Demo Area 1 burn pits.

Completed placing topsoil outside the 120-foot contour as part of site restoration.

J-2 Range Soil RRA

The J-2 Range Soil RRA consists of the removal and treatment of soil in six general areas within the J-2 Range that contain explosives and perchlorate. Soil removal locations include Twin Berms Area, Berm 2, Berm 5, Fixed Firing Points 3 and 4 (FFP-3 and 4) and adjacent Range Road Burn Area (RRBA), Disposal Area 1, and Disposal Area 2. A total of 6,500 cubic yards of soil was excavated and treated at the Thermal Treatment Unit. Table 1 showing a grid summary of the excavations and munitions recovered will be included in the November Monthly Progress Report.

Soil excavated from the J-2 Range was disposed of off-site.

J-3 Range Soil RRA

The J-3 Range Soil RRA consists of the removal and treatment of contaminated soil from the Demolition Area and Melt/Pour Building Area. A total of 1,085 cubic yards of soil was excavated from the Demolition Area. A total of 1,146 cubic yards of soil was excavated from the Melt/Pour Building Area. Soil has been treated in the Thermal Treatment Unit or containerized for off-site disposal.

Well pad clearance and down-hole clearance was conducted for well J-3 EW00032.

2. SUMMARY OF ACTIONS TAKEN

Drilling progress as of November 11, 2005 is summarized in Table 2.

Table 2. Drilling progress as of November 11, 2005

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Depth to Water Table (ft bgs)	Completed Well Screens (ft bgs)
MW-392	J-3 Range (J3P-40)	327	101	150-160; 315-325
MW-402	J-1 Range (J1P-36)	215	71	155-165; 190 -200
MW-404	Demo 2 (D2P-8)	240	184	181-191; 200-210; 219-229
DP-405	Northwest Corner (NWP-21/GP-19)	121	81	
MW-406	Demo 2 (D2P-10)	230	178	
DP-395	Northwest Corner (CP-32E1)			

ft bgs = feet below ground surface

Completed well installation at MW-392 (J3P-40), MW-402 (J1P-36) and MW-404 (D2P-8), and completed drilling at DP-405 (NWP-21) and MW-406 (D2P-10). Commenced drilling at DP-395 (CP-32E1) but water was not encountered. Well development of recently installed wells continued.

Samples collected during the reporting period are summarized in Table 3. Groundwater profile samples were collected from MW-402, DP-405 and MW-406. Groundwater samples were collected from recently installed wells, from residential wells, and as part of the August round of the 2005 Long-Term Groundwater Monitoring (LTGM) Plan. The October Quarterly round of the LTGM Plan was completed on November 9, 2005.

Completed anomaly investigation in Grids K-37, K-38, K-41, H-0, I-0, and J-0, and commenced anomaly investigation in eight polygons at the J-1 Range firing line, as part of the J-1 Range Supplemental Geophysical Anomaly Investigation. Table 4 showing a grid sheet summary for

excavations and munitions recovered for the J-1 Range Geophysical Investigation will be included in the November Monthly Progress Report.

During the reporting period of November 1 to 11, a total of 14,989 munitions and explosives of concern (MEC) items were destroyed in the controlled detonation chamber (CDC).

The Technical Team of the Impact Area Groundwater Study Program office at Camp Edwards did not meet between November 1 and 11.

3. SUMMARY OF DATA RECEIVED

Table 5 summarizes the detections that exceeded an EPA Maximum Contaminant Level (MCL) or Health Advisory (HA) for drinking water for explosives, or exceeded a 4 ppb concentration for perchlorate received for the period of October 28 through November 11, 2005.

Table 6 summarizes first-time validated detections of explosives below the MCL/HA for drinking water or of perchlorate below a 4 ppb concentration received from October 28 through November 11, 2005.

First time validated detections of explosives and perchlorate in groundwater compared to the MCL/HAs are summarized below:

Explosives in Groundwater Compared to MCL/HAs

For validated data received from October 28 through November 11, 2005, one well, MW-207M2 (Impact Area), had a first-time validated detection of RDX above the HA of 2 ppb. One well, MW-112M2 (Impact Area), had a first-time validated detection of HMX below the HA of 400 ppb.

Perchlorate in Groundwater Compared to MCL/HAs

For validated data received from October 28 through November 11, 2005, no wells had first-time validated detections of perchlorate above or below the concentration of 4 ppb.

Rush data received from November 1 through November 11, 2005 are summarized in Table 7. These data are for analyses that are performed on a fast turn around time, typically 1-10 days. Perchlorate and explosive analyses for monitoring wells, and perchlorate, explosive and volatile organic compound (VOC) analyses for groundwater profile samples, are conducted in this timeframe, as well as any analyses pursuant to a special request. The rush data are not validated, but are provided as an indication of the most recent preliminary results. Table 7 summarizes only detects, and does not show samples with non-detects.

The status of the explosive detections with respect to confirmation using Photo Diode Array (PDA) spectra is indicated in Table 7. PDA is a procedure that has been implemented for the explosive analysis, to reduce the likelihood of false positive identifications. Where the PDA status is “YES” in Table 7, the detected compound is verified as properly identified. Where the status is “NO”, the identification of an explosive has been determined to be a false positive. Where the status is blank, PDA has not yet been used to evaluate the detection, or PDA is not applicable because the analyte is a VOC or perchlorate. Most explosive detections verified by PDA are confirmed to be present upon completion of validation.

During the reporting period November 1 to 11, no rush data with detections were received, therefore Table 7 is not included in this report.

J-1 Range

- Profile samples from MW-402 (J1P-36) were non-detect for explosives and perchlorate in all sampled intervals. Well screens will be set at the depth (84 to 94 ft bwt) corresponding to the depth of modeled forward particle tracks from high detections at the base boundary and at the depth (119 to 129 ft bwt) corresponding to the depth below modeled forward particle tracks from the deepest detections at the base boundary. A piezometer will be set at the water table for synoptic measurements.

4. DELIVERABLES SUBMITTED

Former K Range Draft Remedial Investigation Report	11/03/2005
Demo 1 Groundwater RRA Final Completion of Work Report	11/04/2005
Monthly Progress Report # 103 for October 2005	11/09/2005

5. SCHEDULED ACTIONS

Scheduled actions through the end of November include complete well installation at DP-405 (NWP-21/GP-19) and MW-406 (D2P-10), complete installation of DP-407 (SSP-DP2A), and commence drilling well J1P-30. Groundwater sampling of recently installed wells and as part of the August round of the 2005 LTGM will continue. Surface water samples will be collected at Snake Pond. Well development will continue for recently installed wells. Activities conducted as part of the Demo 1 groundwater RRA, the Demo 1 soil RRA, the J-2 soil RRA, the J-2 soil RRA, and the J-1 Range Supplemental Geophysical Anomaly Investigation will continue. Additional polygons will be investigated as part of the J-1 Range Supplemental Geophysical Anomaly Investigation.

TABLE 3
SAMPLING PROGRESS
INTERIM MONTHLY 10/31/2005 - 11/11/2005

SAMPLE_ID	GIS_LOCID	AOC	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
27MW0017A-A	27MW0017A	LF-1;PHASE IiB	11/08/2005	GROUNDWATER	134	139	65	70
27MW0017A-A-QA	27MW0017A	LF-1;PHASE IiB	11/08/2005	GROUNDWATER	134	139	65	70
27MW0017B-A	27MW0017B	LF-1;GUN & MO	11/08/2005	GROUNDWATER	104	109	21	26
27MW0017B-A-QA	27MW0017B	LF-1;GUN & MO	11/08/2005	GROUNDWATER	104	109	21	26
27MW2061-A	27MW2061	LF-1;GUN & MO	11/09/2005	GROUNDWATER	66	76	0	10
27MW2061-A-QA	27MW2061	LF-1;GUN & MO	11/09/2005	GROUNDWATER	66	76	0	10
27MW2071-A	27MW2071	LF-1;GUN & MO	11/09/2005	GROUNDWATER	72	82	0	10
27MW2071-A-QA	27MW2071	LF-1;GUN & MO	11/09/2005	GROUNDWATER	72	82	0	10
4261000-02G-A	4261000-02G	WATER SUPPLY	11/08/2005	GROUNDWATER	53	63		
4261000-03G-A	4261000-03G	WATER SUPPLY	11/08/2005	GROUNDWATER	50	60		
4261000-04G-A	4261000-04G	WATER SUPPLY	11/08/2005	GROUNDWATER	101	116		
4261000-05G-A	4261000-05G	WATER SUPPLY	11/08/2005	GROUNDWATER	58	68		
4261000-06G-A	4261000-06G	WATER SUPPLY	11/08/2005	GROUNDWATER	85	105		
4261000-09G-A	4261000-09G	WATER SUPPLY	11/08/2005	GROUNDWATER	62	77		
4261000-09G-D	4261000-09G	WATER SUPPLY	11/08/2005	GROUNDWATER	62	77		
4261000-10G-A	4261000-10G	WATER SUPPLY	11/08/2005	GROUNDWATER	115	135		
4261000-11G-A	4261000-11G	WATER SUPPLY	11/08/2005	GROUNDWATER	98	118		
4261020-01G-A	4261020-01G	WATER SUPPLY	11/09/2005	GROUNDWATER				
58MW0007E-A	58MW0007E	CS-19	11/09/2005	GROUNDWATER	134	139	8	13
58MW0009C-A	58MW0009C	CS-19	11/01/2005	GROUNDWATER	168.21	173.21	41	47
58MW0009C-A-QA	58MW0009C	CS-19	11/01/2005	GROUNDWATER	168.21	173.21	41	47
58MW0009E-A	58MW0009E	CS-19	11/01/2005	GROUNDWATER	133.4	138.4	6.5	11.5
58MW0009E-A-QA	58MW0009E	CS-19	11/01/2005	GROUNDWATER	133.4	138.4	6.5	11.5
58MW0010B-A	58MW0010B	CS-19	11/02/2005	GROUNDWATER	219.8	224.8	90.15	95.15
58MW0010B-D	58MW0010B	CS-19	11/02/2005	GROUNDWATER	219.8	224.8	90.15	95.15
58MW0011D-A	58MW0011D	CS-19	11/01/2005	GROUNDWATER	175.4	180.4	49.5	54.5
58MW0011D-A-QA	58MW0011D	CS-19	11/01/2005	GROUNDWATER	175.4	180.4	49.5	54.5
58MW0011E-A	58MW0011E	CS-19	11/02/2005	GROUNDWATER	145	150	15.7	20.7
58MW0011E-D	58MW0011E	CS-19	11/02/2005	GROUNDWATER	145	150	15.7	20.7
58MW0016A-A	58MW0016	CS-19	11/02/2005	GROUNDWATER	175.9	185.05	54.22	63.22
58MW0020B-A	58MW0020B	CS-19	11/09/2005	GROUNDWATER	205	205	43	43
58MW0020B-D	58MW0020B	CS-19	11/09/2005	GROUNDWATER	205	205	43	43
90MP0060C-A	90MP0060	J-3 RANGE	11/11/2005	GROUNDWATER	126.52	129.02	111.52	114.02
90MP0060D-A	90MP0060	J-3 RANGE	11/11/2005	GROUNDWATER	102.02	104.52	87.02	89.52
90MP0060F-A	90MP0060	J-3 RANGE	11/11/2005	GROUNDWATER	47.02	49.52		
90MP0060F-D	90MP0060	J-3 RANGE	11/11/2005	GROUNDWATER	47.02	49.52		
90MW0101A-A	90MW0101A	J-3 RANGE	11/11/2005	GROUNDWATER	112.69	117.5	104.4	109.4
90MW0101A-D	90MW0101A	J-3 RANGE	11/11/2005	GROUNDWATER	112.69	117.5	104.4	109.4

Profiling methods may include: Volatiles, Explosives, and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, Perchlorate and Wet Chemistry
Other Sample Types methods are variable
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SAMPLE_ID	GIS_LOCID	AOC	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
95-6A-A	95-6A	NW CORNER	11/03/2005	GROUNDWATER	167.5	177.5	142.5	152.5
95-6B-A	95-6B	NW CORNER	11/03/2005	GROUNDWATER	119	129	94	104
97-2E-A	97-2E	WESTERN BOU	11/11/2005	GROUNDWATER	94.5	94.5	49.8	49.8
MW-369M1-	MW-369	J-1 RANGE	11/08/2005	GROUNDWATER	254.07	264.07	137.87	147.87
MW-369M2-	MW-369	J-1 RANGE	11/08/2005	GROUNDWATER	216	226	99.8	109.8
MW-369M2-FD	MW-369	J-1 RANGE	11/08/2005	GROUNDWATER	216	226	99.8	109.8
MW-369M3-	MW-369	J-1 RANGE	11/08/2005	GROUNDWATER	175.32	185.32	59.12	69.12
MW-370M1-	MW-370	J-1 RANGE	11/07/2005	GROUNDWATER	245.62	255.62	123.62	133.62
MW-370M2-	MW-370	J-1 RANGE	11/07/2005	GROUNDWATER	215.54	225.54	93.54	103.54
MW-370M3-	MW-370	J-1 RANGE	11/07/2005	GROUNDWATER	174.96	184.96	52.96	62.96
MW-399M1-	MW-399	J-1 RANGE	11/02/2005	GROUNDWATER	237	247	139	149
MW-399M2-	MW-399	J-1 RANGE	11/02/2005	GROUNDWATER	125	135	27	37
MW-400M1-	MW-400	J-1 RANGE	10/31/2005	GROUNDWATER	195	205	127.5	137.5
MW-400M2-	MW-400	J-1 RANGE	10/31/2005	GROUNDWATER	140	150	72.5	82.5
RSNW04-A	RSNW04	NW CORNER	11/10/2005	GROUNDWATER	0	0		
RSNW05-A	RSNW05	NW CORNER	11/10/2005	GROUNDWATER	0	0		
RSNW05-D	RSNW05	NW CORNER	11/10/2005	GROUNDWATER	0	0		
RSNW06-A	RSNW06	NW CORNER	11/10/2005	GROUNDWATER	0	0		
SMR-2-A	SMR-2	J-2 RANGE	11/05/2005	GROUNDWATER	121	131	19	29
SPRING1-A	SPRING1	WESTERN BOU	11/02/2005	GROUNDWATER	0	0	0	0
SPRING1-D	SPRING1	WESTERN BOU	11/02/2005	GROUNDWATER	0	0	0	0
USCGANTST-A	USCGANTST	OTHER	11/02/2005	GROUNDWATER	0	0		
USCGANTST-D	USCGANTST	OTHER	11/02/2005	GROUNDWATER	0	0		
W09SSA	MW-9	CIA	11/01/2005	GROUNDWATER	113	123	0	10
W130DDA	MW-130	J-2 RANGE	11/05/2005	GROUNDWATER	320	330	217	227
W130M1A	MW-130	J-2 RANGE	11/05/2005	GROUNDWATER	160	170	57	67
W130SSA	MW-130	J-2 RANGE	11/05/2005	GROUNDWATER	103	113	0	10
W130SSA-QA	MW-130	J-2 RANGE	11/05/2005	GROUNDWATER	103	113	0	10
W134M2A	MW-134	CIA	11/10/2005	GROUNDWATER	170	180	25	35
W163SSA	MW-163	J-3 RANGE	11/09/2005	GROUNDWATER	38	48	0	10
W163SSA-QA	MW-163	J-3 RANGE	11/09/2005	GROUNDWATER	38	48	0	10
W167M3A	MW-167	PHASE 2b	11/10/2005	GROUNDWATER	100	110	21	31
W184M1A	MW-184	CIA	11/01/2005	GROUNDWATER	186	196	58.2	68.2
W184M2A	MW-184	CIA	11/01/2005	GROUNDWATER	126	136	0	10
W184M2D	MW-184	CIA	11/01/2005	GROUNDWATER	126	136	0	10
W197M1A	MW-197	J-3 RANGE	11/04/2005	GROUNDWATER	120	125	99.6	104.6
W197M1A-QA	MW-197	J-3 RANGE	11/04/2005	GROUNDWATER	120	125	99.6	104.6
W197M2A	MW-197	J-3 RANGE	11/04/2005	GROUNDWATER	80	85	59.3	64.3

Profiling methods may include: Volatiles, Explosives, and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, Perchlorate and Wet Chemistry
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SBD = Sample Begin Depth, measured in feet bgs
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SAMPLE_ID	GIS_LOCID	AOC	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W197M2A-QA	MW-197	J-3 RANGE	11/04/2005	GROUNDWATER	80	85	59.3	64.3
W197M3A	MW-197	J-3 RANGE	11/04/2005	GROUNDWATER	60	65	39.4	44.4
W197M3A-QA	MW-197	J-3 RANGE	11/04/2005	GROUNDWATER	60	65	39.4	44.4
W197M3D	MW-197	J-3 RANGE	11/04/2005	GROUNDWATER	60	65	39.4	44.4
W198M1A	MW-198	J-3 RANGE	11/02/2005	GROUNDWATER	150	155	127.8	132.8
W198M1A-QA	MW-198	J-3 RANGE	11/02/2005	GROUNDWATER	150	155	127.8	132.8
W198M2A	MW-198	J-3 RANGE	11/02/2005	GROUNDWATER	120	125	98.4	103.4
W198M2A-QA	MW-198	J-3 RANGE	11/02/2005	GROUNDWATER	120	125	98.4	103.4
W209M1A	MW-209	CIA	11/08/2005	GROUNDWATER	240	250	121	131
W209M2A	MW-209	CIA	11/09/2005	GROUNDWATER	220	230	110	120
W209M2D	MW-209	CIA	11/09/2005	GROUNDWATER	220	230	110	120
W234M1A	MW-234	J-2 RANGE	11/07/2005	GROUNDWATER	130	140	25.3	35.3
W234M1A-QA	MW-234	J-2 RANGE	11/07/2005	GROUNDWATER	130	140	25.3	35.3
W234M2A	MW-234	J-2 RANGE	11/07/2005	GROUNDWATER	110	120	1.6	11.6
W234M2A-QA	MW-234	J-2 RANGE	11/07/2005	GROUNDWATER	110	120	1.6	11.6
W236SSA	MW-236	L RANGE	11/07/2005	GROUNDWATER	96	106	0	10
W241M1A	MW-241	L RANGE	11/07/2005	GROUNDWATER	97	107	2.75	12.75
W241M1A-QA	MW-241	L RANGE	11/07/2005	GROUNDWATER	97	107	2.75	12.75
W241M1D	MW-241	L RANGE	11/07/2005	GROUNDWATER	97	107	2.75	12.75
W244M1A	MW-244	J-1 RANGE	11/03/2005	GROUNDWATER	270	280	150.73	160.73
W244SSA	MW-244	CIA	11/03/2005	GROUNDWATER	118	128	0	10
W247M1A	MW-247	J-3 RANGE	11/11/2005	GROUNDWATER	180	190	157.72	167.72
W247M2A	MW-247	J-3 RANGE	11/11/2005	GROUNDWATER	125	135	102.78	112.78
W249M1A	MW-249	CIA	11/09/2005	GROUNDWATER	243	253	101.95	111.95
W249M2A	MW-249	FORMER A	11/08/2005	GROUNDWATER	174	184	32.9	42.9
W249M3A	MW-249	FORMER A	11/08/2005	GROUNDWATER	154	164	12.9	22.9
W263M1A	MW-263	J-2 RANGE	11/07/2005	GROUNDWATER	190	200	83.63	93.63
W263M1A-QA	MW-263	J-2 RANGE	11/07/2005	GROUNDWATER	190	200	83.63	93.63
W263M2A	MW-263	J-2 RANGE	11/07/2005	GROUNDWATER	115	125	8.66	18.66
W263M2A-QA	MW-263	J-2 RANGE	11/07/2005	GROUNDWATER	115	125	8.66	18.66
W293M1A	MW-293	J-2 RANGE	11/04/2005	GROUNDWATER	296	306	190.07	200.07
W293M2A	MW-293	J-2 RANGE	11/04/2005	GROUNDWATER	196	206	90.22	100.22
W293M2D	MW-293	J-2 RANGE	11/04/2005	GROUNDWATER	196	206	90.22	100.22
W293SSA	MW-293	J-2 RANGE	11/04/2005	GROUNDWATER	110	120	3.91	13.91
W305M1A	MW-305	J-2 RANGE	11/04/2005	GROUNDWATER	203	213	99.82	109.82
W306M2A	MW-306	J-1 RANGE	11/02/2005	GROUNDWATER	165	175	61	71
W310M1A	MW-310	J-2 RANGE	11/07/2005	GROUNDWATER	171	181	86	96
W322M1A	MW-322	J-2 RANGE	11/04/2005	GROUNDWATER	245	255	126	136

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SAMPLE_ID	GIS_LOCID	AOC	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W322SSA	MW-322	J-2 RANGE	11/04/2005	GROUNDWATER	119	129	0	10
W327M3A	MW-327	J-2 RANGE	11/04/2005	GROUNDWATER	220	230	107	117
W335M1A	MW-335	J-2 RANGE	11/04/2005	GROUNDWATER	255	265	145.2	155.2
W335M2A	MW-335	J-2 RANGE	11/03/2005	GROUNDWATER	215	225	105.25	115.25
W339M1A	MW-339	J-2 RANGE	11/07/2005	GROUNDWATER	233	243	125	135
W339M1D	MW-339	J-2 RANGE	11/07/2005	GROUNDWATER	233	243	125	135
W339M2A	MW-339	J-2 RANGE	11/07/2005	GROUNDWATER	213	223	105	115
W342M1A	MW-342	J-2 RANGE	11/10/2005	GROUNDWATER	194	204	112.5	122.5
W342M2A	MW-342	J-2 RANGE	11/10/2005	GROUNDWATER	164	174	82.5	92.5
W342SSA	MW-342	J-2 RANGE	11/10/2005	GROUNDWATER	86.5	96.5	5	15
W38SSA	MW-38	CIA	11/02/2005	GROUNDWATER	115	125	0	10
W38SSD	MW-38	CIA	11/02/2005	GROUNDWATER	115	125	0	10
W40SSA	MW-40	CIA	11/03/2005	GROUNDWATER	115.5	125.5	0	10
W71M1A	MW-71	GUN & MORTAR	11/09/2005	GROUNDWATER	180	190	22	32
W71SSA	MW-71	GUN & MORTAR	11/09/2005	GROUNDWATER	158	168	0	10
W91M1A	MW-91	CIA	11/10/2005	GROUNDWATER	170	180	45	55
W91M1A-QA	MW-91	CIA	11/10/2005	GROUNDWATER	170	180	45	55
W93M1A	MW-93	CIA	11/03/2005	GROUNDWATER	185	195	56	66
W93M1A-QA	MW-93	CIA	11/03/2005	GROUNDWATER	185	195	56	66
W93M2A	MW-93	CIA	11/03/2005	GROUNDWATER	145	155	16	26
W93M2A-QA	MW-93	CIA	11/03/2005	GROUNDWATER	145	155	16	26
W94M1A	MW-94	CIA	11/01/2005	GROUNDWATER	160	170	36	46
W94M2A	MW-94	CIA	11/01/2005	GROUNDWATER	140	150	16	26
W94SSA	MW-94	CIA	11/01/2005	GROUNDWATER	124	134	0	10
W94SSD	MW-94	CIA	11/01/2005	GROUNDWATER	124	134	0	10
XXM973-A	97-3	WESTERN BOU	11/08/2005	GROUNDWATER	75	85	36	46
DP-405-01	DP-405	NORTHWEST C	11/03/2005	PROFILE	78	83	-2.5	2.5
DP-405-02	DP-405	NORTHWEST C	11/03/2005	PROFILE	88	93	7.5	12.5
DP-405-03	DP-405	NORTHWEST C	11/03/2005	PROFILE	98	103	17.5	22.5
DP-405-04	DP-405	NORTHWEST C	11/04/2005	PROFILE	108	113	27.5	32.5
MW-402-15	MW-402	J-1 RANGE	10/31/2005	PROFILE	220	225	149	154
MW-402-17	MW-402	J-1 RANGE	11/01/2005	PROFILE	230	235	159	164
MW-402-18	MW-402	J-1 RANGE	11/01/2005	PROFILE	240	245	169	174
MW-402-19	MW-402	J-1 RANGE	11/02/2005	PROFILE	250	255	179	184
MW-402-20	MW-402	J-1 RANGE	11/03/2005	PROFILE	290	295	219	224
MW-406-01	MW-406	DEMO-2	11/09/2005	PROFILE	185	185	7	7
MW-406-02	MW-406	DEMO-2	11/09/2005	PROFILE	190	190	12	12
MW-406-03	MW-406	DEMO-2	11/09/2005	PROFILE	200	200	22	22

Profiling methods may include: Volatiles, Explosives, and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, Perchlorate and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet
AOC = Area of Concern
CIA = Central Impact Area

TABLE 3
SAMPLING PROGRESS
INTERIM MONTHLY 10/31/2005 - 11/11/2005

SAMPLE_ID	GIS_LOCID	AOC	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
MW-406-04	MW-406	DEMO-2	11/09/2005	PROFILE	210	210	32	32
MW-406-05	MW-406	DEMO-2	11/09/2005	PROFILE	220	220	42	42
MW-406-06	MW-406	DEMO-2	11/09/2005	PROFILE	230	230	52	52

Profiling methods may include: Volatiles, Explosives, and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, Perchlorate and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet
AOC = Area of Concern
CIA = Central Impact Area

TABLE 5
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
INTERIM MONTHLY
DATA RECEIVED 10/28/05-11/11/05

WELL/LOCID	SAMPLE ID	SAMPLED	AOC	METHOD	ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
58MW0002	58MW0002-A	08/05/2005	CS-19	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	13		UG/L	0	5	2	X
58MW0016	58MW0016C-A	09/02/2005	CS-19	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	2.2		UG/L	0	10	2	X
MW-105	W105M1A	08/02/2005	CIA	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	4.7		UG/L	78	88	2	X
MW-112	W112M2A	08/29/2005	CIA	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	2.1		UG/L	26	36	2	X
MW-113	W113M2A	08/08/2005	CIA	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	9.8	J	UG/L	48	58	2	X
MW-164	W164M2A	09/22/2005	J-1 RANGE	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	4.9		UG/L	49	59	2	X
MW-19	W19SSA	08/08/2005	DEMO 1	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	14		UG/L	0	10	2	X
MW-204	W204M1A	08/18/2005	CIA	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	7.1		UG/L	81	91	2	X
MW-207	W207M2A	08/18/2005	CIA	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	2.4		UG/L	79.33	89.33	2	X
MW-207	W207M1A	08/16/2005	CIA	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	8.6		UG/L	100.52	110.52	2	X
MW-211	W211M1A	08/08/2005	DEMO 1	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	5.7		UG/L	55	65	2	X
MW-211	W211M1D	08/08/2005	DEMO 1	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	5.8		UG/L	55	65	2	X
MW-23	W23M1A	08/01/2005	CIA	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	2.3		UG/L	103	113	2	X
MW-73	W73SSA	08/08/2005	DEMO 1	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	9.3		UG/L	0	10	2	X
MW-95	W95M1A	08/31/2005	CIA	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	4.9		UG/L	78	88	2	X
90MW0022	90MW0022-A	08/11/2005	J-3 RANGE	E314.0	PERCHLORATE	10.2		UG/L	72.79	77.79	4	X
MW-143	W143M1A	08/19/2005	J-3 RANGE	E314.0	PERCHLORATE	5.2		UG/L	114	124	4	X
MW-211	W211M1A	08/08/2005	DEMO 1	E314.0	PERCHLORATE	50.6		UG/L	55	65	4	X
MW-211	W211M1D	08/08/2005	DEMO 1	E314.0	PERCHLORATE	50.8		UG/L	55	65	4	X
MW-341	W341M3A	08/08/2005	DEMO 1	E314.0	PERCHLORATE	20		UG/L	50.66	60.66	4	X

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)
J = ESTIMATED DETECT
AOC = Area of Concern
CIA = Central Impact Area

TABLE 6
VALIDATED DETECTS BELOW MCLs OR HEALTH ADVISORY
LIMITS NOT PREVIOUSLY DETECTED
INTERIM MONTHLY
DATA RECEIVED 10/23/05-11/11/05

WELL/LOCID	SAMPLE_ID	SAMPLED	AOC	METHOD	ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW_LIMIT	>DW_LIMIT
WL112M2	W112M2A	08/29/2005	CIA	8330NX	OCTAHYDRO-1,3,5,7-TETRANITRO-1,	0.29		UG/L	26	36	400	

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)
J = ESTIMATED DETECT
AOC = Area of Concern
CIA = Central Impact Area