

**INTERIM MONTH REPORT
FOR SEPTEMBER 1 – SEPTEMBER 9, 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 September 1 through September 9, 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 September 9, 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 in the September 1, 2005 sampling event 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 September 9, 2005, approximately 50 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 September 9, 2005, approximately 108 million gallons of water had been treated and re-injected at the Frank Perkins Road ETR System.

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 in the Thermal Treatment Unit. Table 1 showing a grid summary

of the excavations and munitions recovered will be included in the September Monthly Progress Report.

UXO clearance continued at Polygon 2 of the J-2 Range.

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.

Site work was not conducted for the J-3 Range soil RRA during the reporting period of September 1 – 9, 2005.

2. SUMMARY OF ACTIONS TAKEN

Drilling progress as of September 9, 2005 is summarized in Table 2.

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	
MW-393	J-2 Range (J2P-60/20E)	325	88	
DP-396	Northwest Corner (CP-32G)	76		
DP-397	Northwest Corner (CP-32H)	104		
MW-398	J-1 Range (J1P-33)	190	91	
ft bgs = feet below ground surface				

Completed drilling at MW-393 (J-2P-60/20E), DP-396 (CP-32G) and DP-397 (CP-32H). Refusal was reached at DP-396 and DP-397 before the water table was encountered. Commenced drilling at MW-398 (J1P-33). 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-393 and MW-398. Groundwater samples were collected from recently installed wells and as part of the August round of the 2005 Long-Term Groundwater Monitoring (LTGM) Plan. Process water samples were collected from the Pew Road and Frank Perkins Road ETR systems.

Anomaly investigation continued in Grid K-36 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 September Monthly Progress Report.

There have been no munitions and explosives of concern (MEC) items destroyed in the controlled detonation chamber (CDC) during early September.

The Technical Team of the Impact Area Groundwater Study Program office at Camp Edwards did not meet during the first two weeks of September. The next meeting of the Technical Team is scheduled for September 15, 2005.

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 reporting period of August 26, 2005 through September 9, 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 August 26, 2005 through September 9, 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 August 26, 2005 through September 9, 2005, one well, MW-360M2 (J-1 Range), had a first-time validated detection of RDX above the HA of 2 ppb and 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 August 26, 2005 through September 9, 2005, no wells had first-time validated detections of perchlorate above or below the concentration of 4 ppb.

Rush data 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.

Table 7 includes detections from the following areas:

Demo Area 1

- Process water samples collected from the Frank Perkins Road ETR system influent (FPR-INF) and mid-fluent (FPR-MID-1) had detections of perchlorate. Process water samples collected from the influent (FPR-INF) also had detections of RDX and HMX, which were confirmed by PDA spectra.
- Process water samples collected from the Pew Road ETR system influent (PR-INF) and mid-fluent (PR-MID-1) had detections of perchlorate. These are the first detections of perchlorate in mid-fluent samples since the second GAC exchange (first and second pair of vessels)

conducted on August 1, 2005. Process water samples collected from the influent (PR-INF) also had detections of RDX, which were confirmed by PDA spectra.

J-2 Range

- Profile samples from MW-393 (J2P-60/20E) had detections of explosives, perchlorate and VOCs. Perchlorate was detected in ten intervals at 135, and 155 to 235 feet below the water table (bwt). RDX was confirmed by PDA spectra, but with interference, in two intervals at 115 and 135 feet below the water table. 1,3,5-Trinitrobenzene was confirmed by PDA spectra, but with interference, in one interval at 15 feet below the water table and 2,4-diamino-6-nitrotoluene (2,4-DANT) was confirmed by PDA spectra, but with interference, in one interval at 235 feet below the water table. Well screens will be set at the depth (130 to 140 ft bwt) corresponding to the maximum RDX detection and shallowest perchlorate detection, at the depth (180 to 190 ft bwt) corresponding to the mid-point of the perchlorate detections, and at the depth (225-235 ft bwt) corresponding to the deepest perchlorate detection.

4. DELIVERABLES SUBMITTED

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09/09/2005

5. SCHEDULED ACTIONS

Scheduled actions through the end of September include complete well installation at MW-392 (J3P-40) and complete drilling at MW-398 (J1P-33), 90WT0010, and J2P-58/J2E-12. 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 from Snake Pond. Well development will continue for recently installed wells. Activities conducted as part of the Demo 1 groundwater RRA, the J-2 Range soil RRA and the J-1 Range Supplemental Geophysical Anomaly Investigation will continue. A BIP of one item is scheduled at the J-1 Range for September 15, 2005.

**TABLE 3
SAMPLING PROGRESS
INTERIM MONTHLY 08/31/2005 - 09/09/2005**

SAMPLE_ID	GIS_LOCID	AOC	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
58MW0015A-A	58MW0015	CS-19	09/02/2005	GROUNDWATER	160.68	169.94	36	45
58MW0016C-A	58MW0016	CS-19	09/02/2005	GROUNDWATER	116.7	126.33	0	10
90MW0023-A	90MW0023	L RANGE	09/07/2005	GROUNDWATER	161	166	69.68	74.68
90MW0034-A	90MW0034	L RANGE	09/08/2005	GROUNDWATER	94	99	28.75	33.63
90MW0034-D	90MW0034	L RANGE	09/08/2005	GROUNDWATER	94	99	28.75	33.63
90MW0041-A	90MW0041	L RANGE	09/08/2005	GROUNDWATER	125	130	31.5	36.5
90WT0003-A	90WT0003	L RANGE	09/07/2005	GROUNDWATER	91.5	101.5	0	10
90WT0019-A	90WT0019	L RANGE; FS-12	09/07/2005	GROUNDWATER	96	106	0	10
90WT0019-D	90WT0019	L RANGE; FS-12	09/07/2005	GROUNDWATER	96	106	0	10
MW-383D-	MW-383	J-3 RANGE	09/06/2005	GROUNDWATER	297.31	307.31	191.61	201.61
MW-383M1-	MW-383	J-3 RANGE	09/06/2005	GROUNDWATER	265.89	275.89	160.19	170.19
MW-383M2-	MW-383	J-3 RANGE	09/06/2005	GROUNDWATER	150.59	160.59	44.89	54.89
MW-388M1-	MW-388	J-2 RANGE	09/01/2005	GROUNDWATER	175.18	185.18	104.18	114.18
MW-388M2-	MW-388	J-2 RANGE	09/01/2005	GROUNDWATER	144.75	155.75	73.75	84.75
MW-388M3-	MW-388	J-2 RANGE	09/01/2005	GROUNDWATER	86.03	96.03	15.03	25.03
W01M1A	MW-1	CIA	09/06/2005	GROUNDWATER	220	225	104	109
W01M2A	MW-1	CIA	09/06/2005	GROUNDWATER	160	165	44	49
W01M2D	MW-1	CIA	09/06/2005	GROUNDWATER	160	165	44	49
W01SSA	MW-1	CIA	09/06/2005	GROUNDWATER	114	124	0	10
W02-09M1A	02-09	WESTERN BOU	09/09/2005	GROUNDWATER	74	84	65.26	75.26
W02-09M2A	02-09	WESTERN BOU	09/09/2005	GROUNDWATER	59	69	50.3	60.3
W02-10M1A	02-10	WESTERN BOU	09/09/2005	GROUNDWATER	135	145	94	104
W02-10M2A	02-10	WESTERN BOU	09/09/2005	GROUNDWATER	110	120	68.61	78.61
W02-10M3A	02-10	WESTERN BOU	09/09/2005	GROUNDWATER	85	95	43.65	53.65
W02-10M3D	02-10	WESTERN BOU	09/09/2005	GROUNDWATER	85	95	43.65	53.65
W103M2A	MW-103	CIA	09/07/2005	GROUNDWATER	282	292	140	150
W103M2D	MW-103	CIA	09/07/2005	GROUNDWATER	282	292	140	150
W132M1A	MW-132	J-3 RANGE	09/08/2005	GROUNDWATER	224	234	187	197
W132SSA	MW-132	J-3 RANGE	09/08/2005	GROUNDWATER	37	47	0	10
W132SSD	MW-132	J-3 RANGE	09/08/2005	GROUNDWATER	37	47	0	10
W153M1A	MW-153	L RANGE	09/07/2005	GROUNDWATER	199	209	108	118
W153M2A	MW-153	L RANGE	09/07/2005	GROUNDWATER	144	154	53	63
W153M3A	MW-153	L RANGE	09/07/2005	GROUNDWATER	124	134	33	43
W156SSA	MW-156	PHASE 2b	09/09/2005	GROUNDWATER	77	87	7	17
W178M1A	MW-178	CIA	09/06/2005	GROUNDWATER	257	267	117	127
W178M2A	MW-178	CIA	09/06/2005	GROUNDWATER	167	177	27	37
W179DDA	MW-179	CIA	09/01/2005	GROUNDWATER	329	339	188.1	198.1
W179M1A	MW-179	CIA	09/01/2005	GROUNDWATER	187	197	46.1	56.1

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 08/31/2005 - 09/09/2005**

SAMPLE_ID	GIS_LOCID	AOC	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W19SSA	MW-19	DEMO 1	09/07/2005	GROUNDWATER	38	48	0	10
W201M1A	MW-201	CIA	09/08/2005	GROUNDWATER	306	316	106.9	116.9
W201M2A	MW-201	CIA	09/08/2005	GROUNDWATER	286	296	86.9	96.9
W201M2D	MW-201	CIA	09/08/2005	GROUNDWATER	286	296	86.9	96.9
W229M2A	MW-229	J-2 RANGE	08/31/2005	GROUNDWATER	206	216	93.28	103.28
W229M3A	MW-229	J-2 RANGE	08/31/2005	GROUNDWATER	141	151	28.27	38.27
W265M2A	MW-265	J-1 RANGE	08/31/2005	GROUNDWATER	225	235	97.6	107.6
W265M2A-QA	MW-265	J-1 RANGE	08/31/2005	GROUNDWATER	225	235	97.6	107.6
W265M3A	MW-265	J-1 RANGE	08/31/2005	GROUNDWATER	200	210	72.44	82.44
W265M3A-QA	MW-265	J-1 RANGE	08/31/2005	GROUNDWATER	200	210	72.44	82.44
W270DDA	MW-270	NW CORNER	09/01/2005	GROUNDWATER	132	137	108.96	113.96
W270M1A	MW-270	NW CORNER	09/01/2005	GROUNDWATER	74	79	50.89	55.89
W270M1A-QA	MW-270	NW CORNER	09/01/2005	GROUNDWATER	74	79	50.89	55.89
W270SSA	MW-270	NW CORNER	09/01/2005	GROUNDWATER	22	32	0	10
W270SSA-QA	MW-270	NW CORNER	09/01/2005	GROUNDWATER	22	32	0	10
W43M1A	MW-43	CIA	09/06/2005	GROUNDWATER	223	233	90	100
W43M2A	MW-43	CIA	09/06/2005	GROUNDWATER	200	210	67	77
W43M2D	MW-43	CIA	09/06/2005	GROUNDWATER	200	210	67	77
W43SSA	MW-43	CIA	09/06/2005	GROUNDWATER	129	139	0	10
W44M1A	MW-44	CIA	09/08/2005	GROUNDWATER	182	192	53	63
W44M2A	MW-44	CIA	09/08/2005	GROUNDWATER	142	152	13	23
W44SSA	MW-44	CIA	09/08/2005	GROUNDWATER	123	133	0	10
W56M1A	MW-56	J-2 RANGE	09/01/2005	GROUNDWATER	176	186	101	111
W56M1A-QA	MW-56	J-2 RANGE	09/01/2005	GROUNDWATER	156	166	81	91
W56M2A	MW-56	J-2 RANGE	09/01/2005	GROUNDWATER	131	141	56	66
W56M2A-QA	MW-56	J-2 RANGE	09/01/2005	GROUNDWATER	131	141	56	66
W56M3A	MW-56	J-2 RANGE	09/01/2005	GROUNDWATER	106	116	31	41
W56M3A-QA	MW-56	J-2 RANGE	09/01/2005	GROUNDWATER	106	116	31	41
W56SSA	MW-56	J-2 RANGE	09/01/2005	GROUNDWATER	76	86	1	11
W64M1A	MW-64	GUN & MORTAR	09/09/2005	GROUNDWATER	129	139	38	48
W64M1D	MW-64	GUN & MORTAR	09/09/2005	GROUNDWATER	129	139	38	48
W64M2A	MW-64	GUN & MORTAR	09/09/2005	GROUNDWATER	100	105	9	14
W73SSA	MW-73	DEMO 1	09/07/2005	GROUNDWATER	38.5	48.5	0	10
W95M2A	MW-95	CIA	09/06/2005	GROUNDWATER	167	177	43	53
W95SSA	MW-95	CIA	09/06/2005	GROUNDWATER	125.2	135.2	1	11
W97M1A	MW-97	CIA	09/07/2005	GROUNDWATER	235	245	112	122
W97M2A	MW-97	CIA	09/08/2005	GROUNDWATER	185	195	62	72
W97M3A	MW-97	CIA	09/08/2005	GROUNDWATER	140	150	17	27

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
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**TABLE 3
SAMPLING PROGRESS
INTERIM MONTHLY 08/31/2005 - 09/09/2005**

SAMPLE_ID	GIS_LOCID	AOC	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
FPR-EFF-33A	FPR-EFF		09/06/2005	PROCESS WATER	0	0		
FPR-EFF-A-33A	FPR-EFF		09/06/2005	PROCESS WATER	0	0		
FPR-EFF-A-33B	FPR-EFF		09/06/2005	PROCESS WATER	0	0		
FPR-EFF-B-33A	FPR-EFF		09/06/2005	PROCESS WATER	0	0		
FPR-EFF-B-33B	FPR-EFF		09/06/2005	PROCESS WATER	0	0		
FPR-EFF-C-33A	FPR-EFF		09/06/2005	PROCESS WATER	0	0		
FPR-EFF-C-33B	FPR-EFF		09/06/2005	PROCESS WATER	0	0		
FPR-INF-A-33A	FPR-INF		09/06/2005	PROCESS WATER	0	0		
FPR-MID-1A-33A	FPR-MID-1		09/06/2005	PROCESS WATER	0	0		
FPR-MID-1B-33A	FPR-MID-1		09/06/2005	PROCESS WATER	0	0		
FPR-MID-1C-33A	FPR-MID-1		09/06/2005	PROCESS WATER	0	0		
FPR-MID-2A-33A	FPR-MID-2		09/06/2005	PROCESS WATER	0	0		
FPR-MID-2A-33D	FPR-MID-2		09/06/2005	PROCESS WATER	0	0		
FPR-MID-2B-33A	FPR-MID-2		09/06/2005	PROCESS WATER	0	0		
FPR-MID-2B-33D	FPR-MID-2		09/06/2005	PROCESS WATER	0	0		
FPR-MID-2C-33A	FPR-MID-2		09/06/2005	PROCESS WATER	0	0		
FPR-MID-2C-33D	FPR-MID-2		09/06/2005	PROCESS WATER	0	0		
PR-EFF-34A	PR-EFF		09/01/2005	PROCESS WATER	0	0		
PR-INF-34A	PR-INF		09/01/2005	PROCESS WATER	0	0		
PR-MID-1-34A	PR-MID-1		09/01/2005	PROCESS WATER	0	0		
PR-MID-2-34A	PR-MID-2		09/01/2005	PROCESS WATER	0	0		
MW-393-15	MW-393		09/02/2005	PROFILE	233	233	145	145
MW-393-16	MW-393		09/02/2005	PROFILE	243	243	155	155
MW-393-17	MW-393		09/02/2005	PROFILE	253	253	165	165
MW-393-18	MW-393		09/02/2005	PROFILE	263	263	175	175
MW-393-19	MW-393		09/02/2005	PROFILE	273	273	185	185
MW-393-21	MW-393		09/06/2005	PROFILE	283	283	195	195
MW-393-22	MW-393		09/06/2005	PROFILE	293	293	205	205
MW-393-23	MW-393		09/06/2005	PROFILE	303	303	215	215
MW-393-24	MW-393		09/06/2005	PROFILE	313	313	225	225
MW-393-25	MW-393		09/06/2005	PROFILE	323	323	235	235
MW-393-25FD	MW-393		09/06/2005	PROFILE	323	323	235	235
MW-398-01	MW-398		09/09/2005	PROFILE	180	180	89.1	89.1
MW-398-02	MW-398		09/09/2005	PROFILE	190	190	99.1	99.1

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Groundwater methods include: Volatiles, Semivolatiles, Explosives,
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**TABLE 5
VALIDATED DETECTS EXCEEDING MCLs OR
HEALTH ADVISORY LIMITS
INTERIM MONTHLY
DATA RECEIVED 08/26/05-09/09/05**

WELL/LOCID	SAMPLE ID	SAMPLED	AOC	METHOD	ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-343	MW-343M2-	07/18/2005	J-3 RANGE	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	35		UG/L	73.82	78.82	2	X
MW-360	MW-360M2-	07/25/2005	J-1 RANGE	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	3.4		UG/L	5	15	2	X
MW-348	MW-348M2-	07/19/2005	J-2 RANGE	E314.0	PERCHLORATE	51.6		UG/L	89.54	99.54	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 08/26/05-09/09/05**

WELL/LOCID	SAMPLE ID	SAMPLED	AOC	METHOD	ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW LIMIT	>DW LIMIT
MW-360M2	MW-360M2-	07/25/2005	J-1 RANGE	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,	0.92		UG/L	5	15	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

**TABLE 7
DETECTED COMPOUNDS-UNVALIDATED
INTERIM MONTHLY FOR 09/01/05 - 09/09/05**

SAMPLE ID	LOCID OR WELL	SAMPLED	SAMP TYPE	AOC	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
FPR-INF-A-33A	FPR-INF	09/06/2005	PROCESS WATER		0	0			8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
FPR-INF-A-33A	FPR-INF	09/06/2005	PROCESS WATER		0	0			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
FPR-INF-A-33A	FPR-INF	09/06/2005	PROCESS WATER		0	0			E314.0	PERCHLORATE	
FPR-MID-1A-33A	FPR-MID-1	09/06/2005	PROCESS WATER		0	0			E314.0	PERCHLORATE	
FPR-MID-1B-33A	FPR-MID-1	09/06/2005	PROCESS WATER		0	0			E314.0	PERCHLORATE	
FPR-MID-1C-33A	FPR-MID-1	09/06/2005	PROCESS WATER		0	0			E314.0	PERCHLORATE	
PR-INF-34A	PR-INF	09/01/2005	PROCESS WATER		0	0			8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
PR-INF-34A	PR-INF	09/01/2005	PROCESS WATER		0	0			E314.0	PERCHLORATE	
PR-MID-1-34A	PR-MID-1	09/01/2005	PROCESS WATER		0	0			E314.0	PERCHLORATE	
MW-393-01	MW-393	08/22/2005	PROFILE		103	103	15	15	8260B	CHLOROFORM	
MW-393-01	MW-393	08/22/2005	PROFILE		103	103	15	15	8330N	1,3-DINITROBENZENE	NO
MW-393-01	MW-393	08/22/2005	PROFILE		103	103	15	15	8330N	3-NITROTOLUENE	NO
MW-393-01	MW-393	08/22/2005	PROFILE		103	103	15	15	8330N	4-NITROTOLUENE	NO
MW-393-01	MW-393	08/22/2005	PROFILE		103	103	15	15	8330N	NITROGLYCERIN	NO
MW-393-01	MW-393	08/22/2005	PROFILE		103	103	15	15	8330N	1,3,5-TRINITROBENZENE	YES+
MW-393-01	MW-393	08/22/2005	PROFILE		103	103	15	15	8330N	PICRIC ACID	NO
MW-393-01	MW-393	08/22/2005	PROFILE		103	103	15	15	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-01	MW-393	08/22/2005	PROFILE		103	103	15	15	8330N	2,4-DINITROTOLUENE	NO
MW-393-02	MW-393	08/22/2005	PROFILE		113	113	25	25	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-02	MW-393	08/22/2005	PROFILE		113	113	25	25	8260B	CHLOROFORM	
MW-393-02	MW-393	08/22/2005	PROFILE		113	113	25	25	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-02	MW-393	08/22/2005	PROFILE		113	113	25	25	8330N	PICRIC ACID	NO
MW-393-02	MW-393	08/22/2005	PROFILE		113	113	25	25	8330N	NITROGLYCERIN	NO
MW-393-02	MW-393	08/22/2005	PROFILE		113	113	25	25	8330N	2,4-DINITROTOLUENE	NO
MW-393-03	MW-393	08/22/2005	PROFILE		123	123	35	35	8260B	CHLOROFORM	
MW-393-03	MW-393	08/22/2005	PROFILE		123	123	35	35	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-03	MW-393	08/22/2005	PROFILE		123	123	35	35	8330N	NITROGLYCERIN	NO

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SAMPLE ID	LOCID OR WELL	SAMPLED	SAMP TYPE	AOC	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
MW-393-03	MW-393	08/22/2005	PROFILE		123	123	35	35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-03FD	MW-393	08/22/2005	PROFILE		123	123	35	35	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-03FD	MW-393	08/22/2005	PROFILE		123	123	35	35	8260B	CHLOROFORM	
MW-393-03FD	MW-393	08/22/2005	PROFILE		123	123	35	35	8330N	NITROGLYCERIN	NO
MW-393-03FD	MW-393	08/22/2005	PROFILE		123	123	35	35	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-04	MW-393	08/22/2005	PROFILE		133	133	45	45	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-04	MW-393	08/22/2005	PROFILE		133	133	45	45	8260B	CHLOROFORM	
MW-393-04	MW-393	08/22/2005	PROFILE		133	133	45	45	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-04	MW-393	08/22/2005	PROFILE		133	133	45	45	8330N	NITROGLYCERIN	NO
MW-393-05	MW-393	08/22/2005	PROFILE		143	143	55	55	8260B	CHLOROFORM	
MW-393-05	MW-393	08/22/2005	PROFILE		143	143	55	55	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-05	MW-393	08/22/2005	PROFILE		143	143	55	55	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-05	MW-393	08/22/2005	PROFILE		143	143	55	55	8330N	NITROGLYCERIN	NO
MW-393-06	MW-393	08/22/2005	PROFILE		153	153	65	65	8260B	CHLOROFORM	
MW-393-06	MW-393	08/22/2005	PROFILE		153	153	65	65	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-06	MW-393	08/22/2005	PROFILE		153	153	65	65	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-06	MW-393	08/22/2005	PROFILE		153	153	65	65	8330N	NITROGLYCERIN	NO
MW-393-07	MW-393	08/22/2005	PROFILE		163	163	75	75	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-07	MW-393	08/22/2005	PROFILE		163	163	75	75	8260B	CHLOROFORM	
MW-393-07	MW-393	08/22/2005	PROFILE		163	163	75	75	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-07	MW-393	08/22/2005	PROFILE		163	163	75	75	8330N	NITROGLYCERIN	NO
MW-393-08	MW-393	08/22/2005	PROFILE		173	173	85	85	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-08	MW-393	08/22/2005	PROFILE		173	173	85	85	8260B	CHLOROFORM	
MW-393-08	MW-393	08/22/2005	PROFILE		173	173	85	85	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-08	MW-393	08/22/2005	PROFILE		173	173	85	85	8330N	NITROGLYCERIN	NO
MW-393-09	MW-393	08/23/2005	PROFILE		183	183	95	95	8260B	CHLOROFORM	
MW-393-09	MW-393	08/23/2005	PROFILE		183	183	95	95	8260B	ACETONE	

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MW-393-10	MW-393	08/23/2005	PROFILE		193	193	105	105	8260B	CHLOROFORM	
MW-393-10	MW-393	08/23/2005	PROFILE		193	193	105	105	8260B	ACETONE	
MW-393-11	MW-393	08/23/2005	PROFILE		203	203	115	115	8260B	ACETONE	
MW-393-11	MW-393	08/23/2005	PROFILE		203	203	115	115	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-11	MW-393	08/23/2005	PROFILE		203	203	115	115	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES+
MW-393-12	MW-393	08/23/2005	PROFILE		213	213	125	125	8260B	ACETONE	
MW-393-12	MW-393	08/23/2005	PROFILE		213	213	125	125	8330N	NITROGLYCERIN	NO
MW-393-13	MW-393	08/23/2005	PROFILE		223	223	135	135	8260B	ACETONE	
MW-393-13	MW-393	08/23/2005	PROFILE		223	223	135	135	8330N	NO RESULTS AVAILABLE	
MW-393-13	MW-393	08/23/2005	PROFILE		223	223	135	135	E314.0	PERCHLORATE	
MW-393-13FD	MW-393	08/23/2005	PROFILE		223	223	135	135	8260B	ACETONE	
MW-393-13FD	MW-393	08/23/2005	PROFILE		223	223	135	135	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES+
MW-393-13FD	MW-393	08/23/2005	PROFILE		223	223	135	135	8330N	NITROGLYCERIN	NO
MW-393-13FD	MW-393	08/23/2005	PROFILE		223	223	135	135	E314.0	PERCHLORATE	
MW-393-15	MW-393	09/02/2005	PROFILE		233	233	145	145	8330N	NITROGLYCERIN	NO
MW-393-15	MW-393	09/02/2005	PROFILE		233	233	145	145	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
MW-393-15	MW-393	09/02/2005	PROFILE		233	233	145	145	8330N	2,4-DINITROTOLUENE	NO
MW-393-15	MW-393	09/02/2005	PROFILE		233	233	145	145	8330N	PICRIC ACID	NO
MW-393-16	MW-393	09/02/2005	PROFILE		243	243	155	155	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-16	MW-393	09/02/2005	PROFILE		243	243	155	155	8260B	CHLOROFORM	
MW-393-16	MW-393	09/02/2005	PROFILE		243	243	155	155	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-16	MW-393	09/02/2005	PROFILE		243	243	155	155	8330N	PICRIC ACID	NO
MW-393-16	MW-393	09/02/2005	PROFILE		243	243	155	155	8330N	NITROGLYCERIN	NO
MW-393-16	MW-393	09/02/2005	PROFILE		243	243	155	155	E314.0	PERCHLORATE	
MW-393-17	MW-393	09/02/2005	PROFILE		253	253	165	165	8260B	CHLOROFORM	
MW-393-17	MW-393	09/02/2005	PROFILE		253	253	165	165	8260B	CHLOROMETHANE	
MW-393-17	MW-393	09/02/2005	PROFILE		253	253	165	165	E314.0	PERCHLORATE	

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MW-393-18	MW-393	09/02/2005	PROFILE		263	263	175	175	8260B	CHLOROFORM	
MW-393-18	MW-393	09/02/2005	PROFILE		263	263	175	175	E314.0	PERCHLORATE	
MW-393-19	MW-393	09/02/2005	PROFILE		273	273	185	185	8260B	CHLOROFORM	
MW-393-19	MW-393	09/02/2005	PROFILE		273	273	185	185	E314.0	PERCHLORATE	
MW-393-21	MW-393	09/06/2005	PROFILE		283	283	195	195	8260B	METHYL TERT-BUTYL ETHER	
MW-393-21	MW-393	09/06/2005	PROFILE		283	283	195	195	8260B	CHLOROFORM	
MW-393-21	MW-393	09/06/2005	PROFILE		283	283	195	195	E314.0	PERCHLORATE	
MW-393-22	MW-393	09/06/2005	PROFILE		293	293	205	205	8260B	ACETONE	
MW-393-22	MW-393	09/06/2005	PROFILE		293	293	205	205	8260B	CHLOROFORM	
MW-393-22	MW-393	09/06/2005	PROFILE		293	293	205	205	E314.0	PERCHLORATE	
MW-393-23	MW-393	09/06/2005	PROFILE		303	303	215	215	8260B	ACETONE	
MW-393-23	MW-393	09/06/2005	PROFILE		303	303	215	215	8260B	CHLOROFORM	
MW-393-23	MW-393	09/06/2005	PROFILE		303	303	215	215	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-23	MW-393	09/06/2005	PROFILE		303	303	215	215	E314.0	PERCHLORATE	
MW-393-24	MW-393	09/06/2005	PROFILE		313	313	225	225	8260B	ACETONE	
MW-393-24	MW-393	09/06/2005	PROFILE		313	313	225	225	8260B	CHLOROFORM	
MW-393-24	MW-393	09/06/2005	PROFILE		313	313	225	225	E314.0	PERCHLORATE	
MW-393-25	MW-393	09/06/2005	PROFILE		323	323	235	235	8260B	ACETONE	
MW-393-25	MW-393	09/06/2005	PROFILE		323	323	235	235	8260B	METHYL ETHYL KETONE (2-BUTANONE)	
MW-393-25	MW-393	09/06/2005	PROFILE		323	323	235	235	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-25	MW-393	09/06/2005	PROFILE		323	323	235	235	E314.0	PERCHLORATE	
MW-393-25FD	MW-393	09/06/2005	PROFILE		323	323	235	235	8260B	ACETONE	
MW-393-25FD	MW-393	09/06/2005	PROFILE		323	323	235	235	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES+
MW-393-25FD	MW-393	09/06/2005	PROFILE		323	323	235	235	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-393-25FD	MW-393	09/06/2005	PROFILE		323	323	235	235	8330N	4-NITROTOLUENE	NO
MW-393-25FD	MW-393	09/06/2005	PROFILE		323	323	235	235	8330N	3-NITROTOLUENE	NO
MW-393-25FD	MW-393	09/06/2005	PROFILE		323	323	235	235	E314.0	PERCHLORATE	

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