INTERIM MONTH REPORT
FOR DECEMBER 1 – DECEMBER 10, 2004

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 December 1 through December 10, 2004.

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 December 10, 2004. 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 has been designed and 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. Perchlorate was detected in mid-fluent samples collected after the first pair of Granular Activated Carbon (GAC) vessels. Perchlorate and RDX have not been detected in samples collected after the second pair of GAC vessels or in the effluent. The GAC media will be exchanged when breakthrough of perchlorate is detected after the second of the three pairs of GAC vessels. As of December 10, 2004, approximately 12.9 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 December 10, 2004, approximately 22.2 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 consists 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.

As of December 10, 2004, the total amount of soil excavated at Demo Area 1 is 16,545 cubic yards, with an additional 150 cubic yards excavated at Demo Area 1 burn pits. Confirmation soil sampling continues at excavated locations.

Impact Area Soil RRA

The Impact Area Soil RRA consists of the removal and treatment of contaminated soil and targets at Targets 23 and 42. Remaining target areas will be addressed in a supplemental plan. Soil will be removed from Targets 23 and 42, in area of approximately 15,700 square feet, to a depth of approximately 2 feet, for a total volume of removed soil of approximately 1,160 cubic yards of soil.

UXO subsurface clearance continues at Target 42. To date, 590 cubic yards have been removed from Target 23 and 544 cubic yards have been removed from Target 42 and transferred to the Demo Area 1 staging area for treatment in the Thermal Treatment Unit (TTU).

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 selected explosives and perchlorate. Soil will be removed from the 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. Based on modifications made during finalization of the RRA Workplan, the proposed removal and treatment scope increased to a total removal approximated at 93,835 square feet and 5,361 cubic yards to a maximum depth of 2.5 feet. Soil will be treated in the Thermal Treatment Unit.

Conducted UXO subsurface clearance at Berm 5, at Polygon 2, and at the anomalies north and northeast of Polygon 2. Completed excavation of the first additional (1 foot) cut at Berm 5 and at the first additional (1 foot) cut at the anomaly north of Polygon 2. A total of 5,852 cubic yards of soil has been excavated and transported to Demo Area 1 staging area for treatment in the Thermal Treatment Unit.

J-3 Range Soil RRA

The J-3 Range Soil RRA consists of the removal and treatment of contaminated soil from two general areas, referred to as the Demolition Area and the Melt/Pour Facility Area. At the Demolition Area, located in the middle of the J-3 Range, soil will be removed from the Detonation Pit, the Burn Box, and the area in the vicinity of Target 2, with total soil removal approximated at 14,000 square feet and 1,300 cubic yards of soil to a maximum depth of 3 feet. At the Melt/Pour Facility, located in the southern portion of the range, approximately 1,000 cubic yards of soil will be removed from an area encompassing approximately 8,800 square feet, to a maximum depth of 6 feet. Soil will be treated in the Thermal Treatment Unit.

Completed UXO subsurface clearance in the area west of the Detonation Pit. Completed excavation of the fourth additional (1 foot) lift at the area west of the Detonation Pit. A total of 2,587 cubic yards of soils has been excavated from J-3 Range RRA sites and transported to the Demo Area 1 soil stockpile area.

2. SUMMARY OF ACTIONS TAKEN

Drilling progress as of December 10, 2004 is summarized in Table 1.

Table 1. Drilling progress as of December 10, 2004

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Depth to Water Table (ft bgs)	Completed Well Screens (ft bgs)
MW-356	J-3 Range (J3P-44)	296	103	
MW-357	J-2 Range (J2P-48)	332	101	185-195; 277-287
MW-359	J-3 Range (J3P-39)	307	95	150-160; 185-195
MW-360	J-1 Range (J1P-20)	311	97	
MW-361	J-3 Range (J3P-34)	225	14	60-70; 104-114; 134-144
MW-362	J-2 Range (J2P-49)	120	94	

bgs = below ground surface

Completed well installation at MW-357 (J2P-48), MW-359 (J3P-39), and MW-361 (J3P-34). Completed drilling MW-360 (J1P-20). Commenced drilling at MW-362 (J2P-49). Well installation at MW-356 (J2P-44) is scheduled for the end of December. Well development continued for recently installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-360, MW-361 and MW-362. Groundwater samples were collected from Bourne water supply and monitoring wells, recently installed wells, and as part of the December round of the 2004 LTGM. Groundwater sampling commenced at selected monitoring wells as part of the Demo Area 1 System Performance and Ecological Impact Monitoring (SPEIM) Plan. Process water samples were collected from the Pew Road and Frank Perkins Road ETR systems. Investigation-derived waste (IDW) samples were collected from the GAC treatment system. Pre- and post-BIP samples were collected from the Former A Range and the J-3 Range. Soil samples were collected from the Former A Range.

The following are the notes from the December 9, 2004 Technical Team meeting of the Impact Area Groundwater Study Program office at Camp Edwards:

Punchlist Items
There were no Punchlist items from the 11/18/04 Technical Team meeting.

J-2 Range East Groundwater Investigation Update
Jay Ehret (USACE) discussed the status of the off-post well locations to further evaluate the J-2 East groundwater plume. The IAGWSP well status summary is up to date, with some minor new developments, as follows. Well installation at Route 130 location (J2P-49) is underway and expected to be completed this month. Arrangements for access are in progress for proposed location #7 on 12 Farrell Drive. Drilling is expected to begin at that location in January 2005. The J-2 East Wood Road swath (J2E-11) ROA was approved today. Verbal approval (from Karen Wilson) for Camp Good News extraction well (EW0032) has also been received.

J-2 Range North Groundwater RRA Update
Dave Hill (IAGWSP) discussed the status of the J-2 North GW RRA. Modeling has been underway at Jacobs for about one month. Lynne Jennings (USEPA) and Jane Dolan (USEPA) asked for more information on the scenarios under evaluation. Mike Goydas (Jacobs

Engineering) summarized that two scenarios (one well and two well extraction systems with side-gradient re-injection) are being considered. A project note is expected to be generated in mid-January 2005. Lynne Jennings asked that proposed configurations and additional details be provided and discussed at the next tech meeting (January 13, 2005), or before. Jane Dolan asked to be provided with plume shells (Mike Goydas to provide) and the list of analyses to be performed for pre-treatment requirements (Thom Davidson (USACE) to provide)

Lynne Jennings cautioned that source control removals should be conducted before or simultaneously with GW remedy selections. Thom Davidson stated that a proposal for J-2 anomaly removal is on going and likely to aid in identification of possible source areas.

J-3 Groundwater RRA Update

The J-3 Wellfield Design Project Note was distributed by Dave Hill to USEPA and MADEP representatives for concurrence and signature.

USGS Diffusion Sampler Update

Ben Gregson (IAGWSP) handed out a report (Inwell Diffusion Sampling for Explosives and Perchlorate at the Massachusetts Military Reservation) and briefly discussed a USGS experimental procedure for collection of groundwater samples for explosives and perchlorate using porous polyethylene pipe diffusion samplers. The samplers have been tested in the laboratory using site water collected from MMR. Initial field studies are now underway at two selected locations at MMR. Results will be available in December 2004 or January 2005. More extensive field testing (15-20 wells) will be conducted in spring 2005 if initial field study results are promising. This technique offers the benefit of ease of sampling, especially in locations where vehicular access limitations exist.

Long-Term Groundwater Monitoring Optimization Update

Dave Margolis (USACE) provided an introduction to the Long-Term Groundwater Monitoring Optimization program. Mike Goydas led a discussion and slide presentation on the topic. Copies of the slide presentation were distributed. The motivation for the implementation of the optimization system is to address the progression of the site monitoring data needs as they move from delineation to design phases. The goals of the program include definition and refinement of data needs, and identification of data gaps/inadequacies including temporal/spatial data needs. The optimization approach includes subdivision of the plume based on operable units (OU) and phase focused data quality objectives. The optimization approach will examine existing data and make adjustments to the monitoring plans based on phase focused objectives using intuitive and analytical approaches. This includes tools such as 3D kriging and variogram analysis to estimate current needs and fate and transport modeling to address future needs. This analysis will allow identification of critical locations and redundant locations. Mike Goydas proposed that a more detailed discussion and presentation be scheduled in January 2005. It was also proposed that test case plans be developed for the J-3/L Range and CIA OUs in mid-February 2005.

Lynne Jennings stated that re-visiting the groundwater sampling plan makes sense, but expressed concern about using the CIA GW plume as a test case before a more complete investigation has been performed, and in consideration of the complexity and non-traditional nature of the plume. Ms. Jennings suggested that a list of possible test cases be developed before the presentation in January 2005. Dave Hill agreed to prepare a list of possible OUs and sequence for application of the optimization plan.

Western Boundary Update

Bill Gallagher (IAGWSP) handed out a map (Western Boundary Perchlorate Plume Map) and led a discussion regarding the status of perchlorate sampling at the Western Boundary locations. Wells installed at the Monument Beach Wellfield have been sampled for approximately 1.5 years with no detection greater than 0.5 ppb of perchlorate. Sampling of production wells 01G, 04G, and 06G also continues on a weekly basis. The last detections were observed in April 2004, at locations 03G (0.22 ppb) and 04G (0.18 ppb) when analyzed by the MADEP modified perchlorate method 314.0, which had lower reporting limits than the standard perchlorate method 314.0. No detections have been seen since that time. Mr. Gallagher proposed moving these wells into the LTGM process. An outline of possible perchlorate sources (requested by Todd Borci, EPA) was previously submitted to EPA and MADEP. Mr. Gallagher is awaiting feedback on the outline. Carol Keating (USEPA) will coordinate with USEPA representatives and set up meeting to discuss this issue.

Bill Gallagher mentioned that sampling has been completed at the Gun and Mortar Positions, and IAGWSP is awaiting feedback from USEPA on the risk assessment approach as described in the Health and Environmental Risk Assessment (HERA) Work Plan. Lynne Jennings stated that USEPA and MADEP representatives are planning to meet next week to discuss the HERA, and expect to have comments by late December 2004 or January 2005.

CIA Source Area Evaluation Update

Bill Gallagher (IAGWSP) is planning to meet with AMEC representatives next week to discuss modeling work at the CIA and develop selection of areas for focus of RRA. Mr. Gallagher will contact Desiree Moyer (USEPA) to set up a date for collaborative meeting (possibly December 16, 2004). Lynne Jennings suggested that data be presented at the next tech meeting (January 13, 2005) and conceptual alternatives be discussed at the following tech meeting (January 27, 2005).

Program Schedule Update

Ben Gregson (IAGWSP) stated that IAGWSP is working on updating the Revised Combined Schedule, which was last provided in September 2004. The revised schedule will be available in about one week. Mr. Gregson also inquired about the status of extension requests at EPA. Lynne Jennings asked if the extension requests can be summarized on the revised schedule. Mr. Gregson stated that they are included in the schedule notes.

Demo 1 Soil RRA Update

Paul Nixon (IAGWSP) provided an update on the Demo 1 Soil Rapid Response Action (RRA). The thermal treatment unit (TTU) was re-started on November 29, 2004. Some system problems developed due to the closed valve at the bottom of the cyclone. The problem was resolved by reducing the process throughput from approximately 30 tons/hour to15-20 tons per hour. The TTU is expected to complete all scheduled soil processing by December 21, 2004. Jane Dolan asked if samples from the bottom of the cooling tower had been collected (for lead, mercury, and perchlorate analysis) after processing of J2 Range soils, in accordance with the project note. Paul Nixon will check on this and perform sampling at an appropriate time, if it has not already been performed. Paul Nixon will also provide cyclone sample results.

Tech Meeting Vision and Value

Ben Gregson (IAGWSP) asked for input for modification of the tech meeting content and frequency. Gina Kaso (USACE) asked that when meeting agenda items are added, specific information about points of interest be provided from the requestor to ensure that the appropriate information and personnel are available to provide the most beneficial information exchange at the tech meeting. Dave Margolis (USACE) mentioned consideration of monthly all day tech

meetings as an alternative to the bi-weekly frequency. Hap Gonser (IAGWSP) recommended that meeting attendees introduce themselves and provide brief background descriptions at the beginning of the meeting. Desiree Moyer suggested that the subsequent tech meeting agenda be discussed at the end of each tech meeting. For the next tech meeting agenda, Ms. Moyer requested an update and status on the J-2 North Groundwater RRA, CIA source area evaluation, and BA-1.

3. SUMMARY OF DATA RECEIVED

Table 3 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 November 27, 2004 through December 10, 2004.

Table 4 summarizes first time validated detections of explosives below the MCL/HA for drinking water or of perchlorate below a 4 ppb concentration received from November 27, 2004 through December 10, 2004.

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 November 27, 2004 through December 10, 2004, two wells, MW-107M1 (Impact Area) and MW-227M1 (J-3 Range) had first time validated detections of HMX below the HA. One well, MW-227M1 (J-3 Range) had a first time validated detection of hexahydro-1-mononitroso-3,5-dinitro-1,3,5-triazine (MNX). There is no MCL or HA established for MNX.

Perchlorate in Groundwater Compared to MCL/HAs

For validated data received from November 27, 2004 through December 10, 2004, no wells had first time validated detections of perchlorate above the concentration of 4 ppb. Three wells, MW-344M2 & S (Northwest Corner) and MW-89M2 (Impact Area) had first time validated detections of perchlorate below the concentration of 4 ppb.

Rush data are summarized in Table 5. 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 5 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 5. 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 5, 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 5 includes detections from the following areas:

J-1 Range

- Profile samples from MW-360 (J1P-20) had detections of explosives and VOCs. Of the explosive detections, 2,4,6-trinitrotoluene (TNT) was confirmed by PDA spectra, but with interference, in one interval at 13 ft bwt. Well screens will be set at the depth (5 to 15 ft bwt) corresponding to the TNT detection, and at the depth (150 to 160 ft bwt) corresponding to cross-gradient detections of perchlorate in profile samples at MW-290.

J-3 Range

- Profile samples from MW-356 (J3P-44) had detections of explosives, perchlorate and VOCs. Of the explosives detections, 2,6-dinitrotoluene (2,6-DNT) was confirmed by PDA spectra, but with interference, in one interval at 7 ft below water table (bwt), and HMX was confirmed by PDA spectra in one interval at 87 ft bwt. Perchlorate was detected in four intervals between 7 and 47 ft bwt. Well screens will be set at the depth (2.4 to 12.4 ft bwt) corresponding to the top of the perchlorate detections, at the depth (37.4 to 47.4 ft bwt) corresponding to the bottom of the perchlorate detections, and at the depth (82.4 to 92.4 ft bwt) of the HMX detection.

- Profile samples from MW-359 (J3P-39) had detections of explosives, perchlorate, and VOCs. Of the explosive detections, 2,6-DNT was confirmed by PDA spectra, but with interference, in five intervals between 85 and 175 ft bwt. Perchlorate was detected in two intervals at 55 and 65 ft bwt. Well screens were set at the depth (55 to 65 ft bwt) corresponding to the perchlorate detections, and at the depth (90 to 100 ft bwt) corresponding to the core of the J-3 Plume at MW-198 and MW-197.

- Profile samples from MW-361 (J3P-34) had detections of VOCs. Well screens were set at the depth (45.7 to 55.7 ft bwt) corresponding to the cross-gradient depth of RDX detections in profile samples at MW-171, at the depth (89.7 to 99.7 ft bwt) corresponding to the cross-gradient depth of perchlorate detections in profile samples at MW-251, and at the depth (119.7 to 129.7 ft bwt) corresponding to forward particle tracks from the location of perchlorate detections at MW-329.

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 Pew Road ETR system influent (PR-INF) and mid-fluent (PR-MID-1) had detections of perchlorate.

4. DELIVERABLES SUBMITTED

Draft BIP Summary Report for October – December 2003	12/06/2004
Draft Demo Area 2 Soil RRA Data Summary Report	12/08/2004
Monthly Progress Report # 92 for November 2004	12/08/2004

5. SCHEDULED ACTIONS

Scheduled actions through the end of December include complete well installation at MW-356 (J3P-44) and complete well drilling at MW-362 (J2P-49). Commence drilling at MW-363 (NWP-21A). Groundwater sampling of Bourne water supply and monitoring wells, recently installed wells, and as part of the December round of the 2004 LTGM Program will continue. Soil sampling at the Former A Range will continue.

TABLE 2
SAMPLING PROGRESS
INTERIM MONTHLY 12/01/2004 - 12/10/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
HDA11220402AA	A11220402	12/10/2004	CRATER GRID	0	0.16		
HDA11220403AA	A11220403	12/10/2004	CRATER GRID	0	0.16		
4036000-01G-A	4036000-01G	12/06/2004	GROUNDWATER	38	69.8	6	12
4036000-04G-A	4036000-04G	12/06/2004	GROUNDWATER	54.6	64.6	6	12
4036000-06G-A	4036000-06G	12/06/2004	GROUNDWATER	108	128	6	12
90MP0059A-A	90MP0059	12/01/2004	GROUNDWATER	145.89	148.39	139	142
90MP0059A-A	90MP0059A	12/01/2004	GROUNDWATER	145.89	148.39	139	142
90MP0059B-A	90MP0059	12/01/2004	GROUNDWATER	116.39	118.89	110	113
90MP0059C-A	90MP0059	12/01/2004	GROUNDWATER	91.89	94.39	85	88
90MP0060C-A	90MP0060	12/03/2004	GROUNDWATER	126.52	129.02	111.52	114.02
90MP0060D-A	90MP0060	12/03/2004	GROUNDWATER	102.02	104.52	87.02	89.52
90MW0003-A	90MW0003	12/01/2004	GROUNDWATER	144	149	52.11	57.11
90MW0019-A	90MW0019	12/02/2004	GROUNDWATER	161	166	78	83
90MW0031-A	90MW0031	12/01/2004	GROUNDWATER	195.32	200.22	112	117
90MW0041-A	90MW0041	12/03/2004	GROUNDWATER	125.37	130.23	31.5	36.5
90MW0070-A	90MW0070	12/02/2004	GROUNDWATER	132.5	137.5	78	83
90MW0071-A	90MW0071	12/02/2004	GROUNDWATER	150	155	82	87
90MW0071-D	90MW0071	12/02/2004	GROUNDWATER	150	155	82	87
90MW0104A-A	90MW104A	12/03/2004	GROUNDWATER	138.4	143.4		
90MW0104B-A	90MW104A	12/03/2004	GROUNDWATER	115	120		
90MW0104C-A	90MW0104C	12/01/2004	GROUNDWATER	84.81	89.81		
90MW0104C-A	90MW104A	12/01/2004	GROUNDWATER	84.81	89.81		
MW00-4-A	00-4	11/30/2004	GROUNDWATER	64	70	38	44
MW-346M1-	MW-346	12/09/2004	GROUNDWATER	245	255	130	140
MW-346M2-	MW-346	12/09/2004	GROUNDWATER	205	215	90	100
MW-346M3-	MW-346	12/09/2004	GROUNDWATER	175	185	60	70
MW-346M4-	MW-346	12/09/2004	GROUNDWATER	140	150	25	35
MW-349M1-	MW-349	12/07/2004	GROUNDWATER	229	239	109.7	119.7
MW-349M2-	MW-349	12/09/2004	GROUNDWATER	195	205	75.7	85.7
MW-349M2-FD	MW-349	12/09/2004	GROUNDWATER	195	205	75.7	85.7
MW-349M3-	MW-349	12/07/2004	GROUNDWATER	174	184	54.7	64.7
TW00-6-A	00-6	11/30/2004	GROUNDWATER	36	42	9.6	15.6
TW00-7-A	00-7	11/29/2004	GROUNDWATER	57	63	25.5	31.5
TW00-7-D	00-7	11/29/2004	GROUNDWATER	57	63	25.5	31.5
TW1-88B-A	1-88	11/30/2004	GROUNDWATER	105.5	105.5	69.6	69.6
W02-04M1A	02-04	11/29/2004	GROUNDWATER	123	133	73.97	83.97
W02-05M1A	02-05	12/10/2004	GROUNDWATER	110	120	81.44	91.44
W02-05M2A	02-05	12/10/2004	GROUNDWATER	92	102	63.41	73.41
W02-05M3A	02-05	12/10/2004	GROUNDWATER	70	80	41.37	51.37
W02-07M1A	02-07	11/29/2004	GROUNDWATER	135	145	101.14	111.14
W02-07M2A	02-07	11/29/2004	GROUNDWATER	107	117	72.86	82.86

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

TABLE 2
SAMPLING PROGRESS
INTERIM MONTHLY 12/01/2004 - 12/10/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W02-07M3A	02-07	11/29/2004	GROUNDWATER	47	57	13	23
W02-10M1A	02-10	12/10/2004	GROUNDWATER	135	145	94	104
W02-10M2A	02-10	12/10/2004	GROUNDWATER	110	120	68.61	78.61
W02-10M3A	02-10	12/10/2004	GROUNDWATER	85	95	43.65	53.65
W114M1A	MW-114	12/07/2004	GROUNDWATER	177	187	96	106
W129M3A	MW-129	12/07/2004	GROUNDWATER	96	106	26	36
W139M1A	MW-139	12/06/2004	GROUNDWATER	194	204	110	120
W139M2A	MW-139	12/06/2004	GROUNDWATER	154	164	70	80
W148M1A	MW-148	12/01/2004	GROUNDWATER	90	100	29	39
W148M1D	MW-148	12/01/2004	GROUNDWATER	90	100	29	39
W148SSA	MW-148	12/01/2004	GROUNDWATER	61	71	0	10
W153M1A	MW-153	12/03/2004	GROUNDWATER	199	209	108	118
W153M2A	MW-153	12/03/2004	GROUNDWATER	144	154	53	63
W15M1A	MW-15	12/10/2004	GROUNDWATER	163	173	55	65
W15M2A	MW-15	12/10/2004	GROUNDWATER	144	154	36	46
W162M2A	MW-162	12/07/2004	GROUNDWATER	125.5	135.5	49.28	59.28
W165M1A	MW-165	12/07/2004	GROUNDWATER	184.5	194.5	106	116
W165M2A	MW-165	12/07/2004	GROUNDWATER	124.5	134.5	46	56
W173M3A	MW-173	12/08/2004	GROUNDWATER	188	198	52.2	62.2
W175M2A	MW-175	12/07/2004	GROUNDWATER	199	209	71.66	81.66
W175M3A	MW-175	12/07/2004	GROUNDWATER	162	167	34.65	39.65
W210M1A	MW-210	12/06/2004	GROUNDWATER	201	211	99.69	109.69
W210M2A	MW-210	12/06/2004	GROUNDWATER	156	166	54.69	64.69
W211M1A	MW-211	12/06/2004	GROUNDWATER	200	210	55	65
W211M2A	MW-211	12/06/2004	GROUNDWATER	175	185	29.7	39.7
W211M2D	MW-211	12/06/2004	GROUNDWATER	175	185	29.7	39.7
W214M2A	MW-214	12/08/2004	GROUNDWATER	165	175	78.45	88.45
W217M4A	MW-217	12/02/2004	GROUNDWATER	68	73	63	68
W218M1A	MW-218	12/02/2004	GROUNDWATER	128	133	123	128
W218M2A	MW-218	12/02/2004	GROUNDWATER	98	103	93	98
W218M3A	MW-218	12/02/2004	GROUNDWATER	78	83	73	78
W218M3D	MW-218	12/02/2004	GROUNDWATER	78	83	73	78
W221M1A	MW-221	12/07/2004	GROUNDWATER	216	226	70.79	80.79
W221M2A	MW-221	12/07/2004	GROUNDWATER	178	188	32.85	42.85
W221M3A	MW-221	12/07/2004	GROUNDWATER	156	166	10.86	20.86
W225M1A	MW-225	12/07/2004	GROUNDWATER	175	185	77.1	87.1
W225M2A	MW-225	12/07/2004	GROUNDWATER	145	155	46.48	56.48
W225M2D	MW-225	12/07/2004	GROUNDWATER	145	155	46.48	56.48
W225M3A	MW-225	12/08/2004	GROUNDWATER	125	135	26.48	36.48
W227M3D	MW-227	11/18/2004	GROUNDWATER	65	75	11.39	21.39
W231M1A	MW-231	12/09/2004	GROUNDWATER	210	220	104.15	114.15

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

TABLE 2
SAMPLING PROGRESS
INTERIM MONTHLY 12/01/2004 - 12/10/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W231M2A	MW-231	12/09/2004	GROUNDWATER	165	175	58.33	68.33
W240M1A	MW-240	12/09/2004	GROUNDWATER	198	208	100	110
W240M2A	MW-240	12/09/2004	GROUNDWATER	125	135	26.45	36.45
W243M1A	MW-243	12/01/2004	GROUNDWATER	114.5	124.5	48.85	58.85
W243M2A	MW-243	12/01/2004	GROUNDWATER	84.5	94.5	15.82	25.82
W243M3A	MW-243	12/01/2004	GROUNDWATER	69.5	79.5	0.81	10.81
W243M3D	MW-243	12/01/2004	GROUNDWATER	69.5	79.5	0.81	10.81
W247M1A	MW-247	12/02/2004	GROUNDWATER	180	190	157.72	167.72
W247M2A	MW-247	12/02/2004	GROUNDWATER	125	135	102.78	112.78
W247M3A	MW-247	12/02/2004	GROUNDWATER	95	105	72.8	82.8
W248M3A	MW-248	12/09/2004	GROUNDWATER	143	153	31.5	41.5
W250M1A	MW-250	12/02/2004	GROUNDWATER	185	195	174.65	184.65
W250M1A-QA	MW-250	12/02/2004	GROUNDWATER	185	195	174.65	184.65
W250M2A	MW-250	12/02/2004	GROUNDWATER	145	155	134.82	144.82
W250M2A-QA	MW-250	12/02/2004	GROUNDWATER	145	155	134.82	144.82
W250M3A	MW-250	12/02/2004	GROUNDWATER	95	105	84.85	94.85
W250M3A-QA	MW-250	12/02/2004	GROUNDWATER	95	105	84.85	94.85
W252M2A	MW-252	12/09/2004	GROUNDWATER	145	155	31.62	41.61
W252M3A	MW-252	12/09/2004	GROUNDWATER	115	125	1.63	11.63
W255M2A	MW-255	12/09/2004	GROUNDWATER	170	180	60.43	70.43
W255M2D	MW-255	12/09/2004	GROUNDWATER	170	180	60.43	70.43
W258M1A	MW-258	12/09/2004	GROUNDWATER	109	119	64.1	74.1
W258M2A	MW-258	12/09/2004	GROUNDWATER	87	92	42.2	47.2
W258M3A	MW-258	12/09/2004	GROUNDWATER	77	82	32.25	37.25
W30SSA	MW-30	12/03/2004	GROUNDWATER	26	36	0	10
W33DDA	MW-33	12/08/2004	GROUNDWATER	181.5	186.5	85	90
W341M1A	MW-341	12/10/2004	GROUNDWATER	290	300	130.66	140.66
W341M2A	MW-341	12/10/2004	GROUNDWATER	265	270	105.66	110.66
W341M3A	MW-341	12/10/2004	GROUNDWATER	210	220	50.66	60.66
W341M4A	MW-341	12/10/2004	GROUNDWATER	182	187	22.66	27.66
W34M2A	MW-34	12/08/2004	GROUNDWATER	131	141	53	63
W34M3A	MW-34	12/08/2004	GROUNDWATER	111	121	33	43
W74M1A	MW-74	12/08/2004	GROUNDWATER	170	180	76	86
W74M2A	MW-74	12/08/2004	GROUNDWATER	125	135	31	41
W74M2D	MW-74	12/08/2004	GROUNDWATER	125	135	31	41
W75M1A	MW-75	12/08/2004	GROUNDWATER	140	150	59	69
W75M2A	MW-75	12/08/2004	GROUNDWATER	115	125	34	44
W77M1A	MW-77	12/08/2004	GROUNDWATER	180	190	98	108
W77M1D	MW-77	12/08/2004	GROUNDWATER	180	190	98	108
W78M1A	MW-78	12/08/2004	GROUNDWATER	135	145	58	68
W78M2A	MW-78	12/08/2004	GROUNDWATER	115	125	38	48

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

TABLE 2
SAMPLING PROGRESS
INTERIM MONTHLY 12/01/2004 - 12/10/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
JEGACDLM01-	JEGACDLM01	12/07/2004	IDW	0	0		
JEGACDLM05-	JEGACDLM05	12/02/2004	IDW	0	0		
JEGACDLM05-	JEGACDLM05	12/10/2004	IDW	0	0		
JEGACDLM11-	JEGACDLM11	12/06/2004	IDW	0	0		
JEGACDLM11-	JEGACDLM11	12/07/2004	IDW	0	0		
JEGACDLM11-	JEGACDLM11	12/02/2004	IDW	0	0		
FPR-EFF-16A	FPR-EFF	12/07/2004	PROCESS WATER	0	0		
FPR-EFF-A-16A	FPR-EFF	12/07/2004	PROCESS WATER	0	0		
FPR-EFF-A-16B	FPR-EFF	12/07/2004	PROCESS WATER	0	0		
FPR-EFF-B-16A	FPR-EFF	12/07/2004	PROCESS WATER	0	0		
FPR-EFF-B-16B	FPR-EFF	12/07/2004	PROCESS WATER	0	0		
FPR-EFF-C-16A	FPR-EFF	12/07/2004	PROCESS WATER	0	0		
FPR-EFF-C-16B	FPR-EFF	12/07/2004	PROCESS WATER	0	0		
FPR-INF-16A	FPR-INF	12/07/2004	PROCESS WATER	0	0		
FPR-INF-A-15AA	FPR-INF	12/01/2004	PROCESS WATER	0	0		
FPR-INF-A-16B	FPR-INF	12/07/2004	PROCESS WATER	0	0		
FPR-INF-B-16B	FPR-INF	12/07/2004	PROCESS WATER	0	0		
FPR-INF-C-16B	FPR-INF	12/07/2004	PROCESS WATER	0	0		
FPR-MID-1A-15AA	FPR-MID-1	12/01/2004	PROCESS WATER	0	0		
FPR-MID-1A-16A	FPR-MID-1	12/07/2004	PROCESS WATER	0	0		
FPR-MID-1B-16A	FPR-MID-1	12/07/2004	PROCESS WATER	0	0		
FPR-MID-1C-16A	FPR-MID-1	12/07/2004	PROCESS WATER	0	0		
FPR-MID-2A-16A	FPR-MID-2	12/07/2004	PROCESS WATER	0	0		
FPR-MID-2B-16A	FPR-MID-2	12/07/2004	PROCESS WATER	0	0		
FPR-MID-2C-16A	FPR-MID-2	12/07/2004	PROCESS WATER	0	0		
PR-EFF-18A	PR-EFF	12/09/2004	PROCESS WATER	0	0		
PR-INF-17AA	PR-INF	12/01/2004	PROCESS WATER	0	0		
PR-INF-18A	PR-INF	12/09/2004	PROCESS WATER	0	0		
PR-MID-1-17AA	PR-MID-1	12/01/2004	PROCESS WATER	0	0		
PR-MID-1-18A	PR-MID-1	12/09/2004	PROCESS WATER	0	0		
PR-MID-2-18A	PR-MID-2	12/09/2004	PROCESS WATER	0	0		
MW-360-11	MW-360	12/01/2004	PROFILE	210	210	113	113
MW-360-13	MW-360	12/02/2004	PROFILE	230	230	133	133
MW-360-13FD	MW-360	12/02/2004	PROFILE	230	230	133	133
MW-360-14	MW-360	12/02/2004	PROFILE	240	240	143	143
MW-360-15	MW-360	12/02/2004	PROFILE	250	250	153	153
MW-360-16	MW-360	12/02/2004	PROFILE	260	260	163	163
MW-360-17	MW-360	12/02/2004	PROFILE	270	270	173	173
MW-360-18	MW-360	12/02/2004	PROFILE	280	280	183	183
MW-360-19	MW-360	12/02/2004	PROFILE	290	290	193	193
MW-360-21	MW-360	12/07/2004	PROFILE	310	310	213	213

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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TABLE 2
SAMPLING PROGRESS
INTERIM MONTHLY 12/01/2004 - 12/10/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
MW-361-09	MW-361	12/01/2004	PROFILE	110	115	95.7	100.7
MW-361-10	MW-361	12/01/2004	PROFILE	120	125	105.7	110.7
MW-361-11	MW-361	12/01/2004	PROFILE	130	135	115.7	120.7
MW-361-13	MW-361	12/02/2004	PROFILE	140	145	125.7	130.7
MW-361-13FD	MW-361	12/02/2004	PROFILE	140	145	125.7	130.7
MW-361-14	MW-361	12/02/2004	PROFILE	150	155	135.7	140.7
MW-361-15	MW-361	12/02/2004	PROFILE	160	165	145.7	150.7
MW-361-16	MW-361	12/02/2004	PROFILE	170	175	155.7	160.7
MW-361-17	MW-361	12/02/2004	PROFILE	180	185	165.7	170.7
MW-361-18	MW-361	12/02/2004	PROFILE	190	195	175.7	180.7
MW-361-19	MW-361	12/02/2004	PROFILE	200	205	185.7	190.7
MW-361-21	MW-361	12/03/2004	PROFILE	210	215	195.7	200.7
MW-361-23	MW-361	12/06/2004	PROFILE	219	220	204.7	205.7
MW-362-01	MW-362	12/10/2004	PROFILE	110	115	16.4	21.4
SSJ3P42001	ECC120304J301 (post)	12/09/2004	SOIL COMPOSITE				
HCA11220402BG	A11220402	12/06/2004	SOIL GRAB	0	0.16		
HCA11220403BG	A11220403	12/06/2004	SOIL GRAB	0	0.16		
SSJ3P42001	ECC120304J301 (pre)	12/09/2004	SOIL GRAB				
HC132BA1AAA	132BA	12/06/2004	SOIL GRID	0	0.5		
HC132BA1AAD	132BA	12/06/2004	SOIL GRID	0	0.5		
HC132BA1BAA	132BA	12/06/2004	SOIL GRID	1.5	2		
HC132BB1AAA	132BB	12/06/2004	SOIL GRID	0	0.5		
HC132BB1BAA	132BB	12/06/2004	SOIL GRID	1.5	2		
HC132BC1AAA	132BC	12/06/2004	SOIL GRID	0	0.5		
HC132BC1BAA	132BC	12/06/2004	SOIL GRID	1.5	2		
HC132E1AAA	132E	12/06/2004	SOIL GRID	0	0.5		
HC132E1BAA	132E	12/06/2004	SOIL GRID	1.5	2		
HD132AL1AAA	132AL	12/06/2004	SOIL GRID	0	0.5		
HD132AL1BAA	132AL	12/06/2004	SOIL GRID	1.5	2		
HD132AM1AAA	132AM	12/06/2004	SOIL GRID	0	0.5		
HD132AM1BAA	132AM	12/06/2004	SOIL GRID	1.5	2		
HD132AN1AAA	132AN	12/06/2004	SOIL GRID	0	0.5		
HD132AN1AAD	132AN	12/06/2004	SOIL GRID	0	0.5		
HD132AN1BAA	132AN	12/06/2004	SOIL GRID	1.5	2		
HD132BA1AAA	132BA	12/06/2004	SOIL GRID	0	0.5		
HD132BA1AAD	132BA	12/06/2004	SOIL GRID	0	0.5		
HD132BA1BAA	132BA	12/06/2004	SOIL GRID	1.5	2		
HD132BB1AAA	132BB	12/06/2004	SOIL GRID	0	0.5		
HD132BB1BAA	132BB	12/06/2004	SOIL GRID	1.5	2		
HD132BC1AAA	132BC	12/08/2004	SOIL GRID	0	0.5		
HD132BC1BAA	132BC	12/08/2004	SOIL GRID	1.5	2		

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
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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
INTERIM MONTHLY
DATA RECEIVED 11/24/04-12/10/04

WELL/LOCID	SAMPLE_ID	SAMPLED	METHOD	ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW_LIMIT	>DW_LIMIT
MW-247	W247M2A	10/12/2004	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-T	2.9		UG/L	102.78	112.78	2	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

TABLE 4
VALIDATED DETECTS BELOW MCLs OR HEALTH ADVISORY LIMITS NOT PREVIOUSLY DETECTED
INTERIM MONTHLY
DATA RECEIVED 11/24/04-12/10/04

WELL/LOCID	SAMPLE_ID	SAMPLED	METHOD	ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW_LIMIT	>DW_LIMIT
WL227M1	W227M1A	09/21/2004	8330NX	HEXAHYDRO-1-MONONITROSO-3,5-D	0.62		UG/L	76.38	86.38		
WL107M1	W107M1A	09/23/2004	8330NX	OCTAHYDRO-1,3,5,7-TETRANITRO-1,	0.26		UG/L	35	45	400	
WL227M1	W227M1A	09/21/2004	8330NX	OCTAHYDRO-1,3,5,7-TETRANITRO-1,	0.32		UG/L	76.38	86.38	400	
WL344M2	W344M2A	09/27/2004	E314.0	PERCHLORATE	0.72	J	UG/L	27.62	37.62	4	
WL344S	W344SSA	09/27/2004	E314.0	PERCHLORATE	0.59	J	UG/L	0	8.07	4	
WL89M2	W89M2A	10/06/2004	E314.0	PERCHLORATE	0.6	J	UG/L	72	82	4	

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)

TABLE 5
DETECTED COMPOUNDS-UNVALIDATED
INTERIM MONTHLY FOR 12/01/04 - 12/10/04

SAMPLE_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
FPR-INF-A-15AA	FPR-INF	12/01/2004	PROCESS WATER	0	0			E314.0	PERCHLORATE	
FPR-MID-1A-15A	FPR-MID-1	12/01/2004	PROCESS WATER	0	0			E314.0	PERCHLORATE	
PR-INF-17AA	PR-INF	12/01/2004	PROCESS WATER	0	0			E314.0	PERCHLORATE	
PR-MID-1-17AA	PR-MID-1	12/01/2004	PROCESS WATER	0	0			E314.0	PERCHLORATE	
MW-356-01	MW-356	11/17/2004	PROFILE	110	110	7.4	7.4	8260B	CHLOROFORM	
MW-356-01	MW-356	11/17/2004	PROFILE	110	110	7.4	7.4	8330N	2,6-DINITROTOLUENE	YES+
MW-356-01	MW-356	11/17/2004	PROFILE	110	110	7.4	7.4	8330N	PENTAERYTHRITOL TETRANITRATE	NO
MW-356-01	MW-356	11/17/2004	PROFILE	110	110	7.4	7.4	8330N	PICRIC ACID	NO
MW-356-01	MW-356	11/17/2004	PROFILE	110	110	7.4	7.4	E314.0	PERCHLORATE	
MW-356-02	MW-356	11/17/2004	PROFILE	120	120	17.4	17.4	8260B	CHLOROFORM	
MW-356-02	MW-356	11/17/2004	PROFILE	120	120	17.4	17.4	E314.0	PERCHLORATE	
MW-356-03	MW-356	11/17/2004	PROFILE	130	130	27.4	27.4	8260B	CHLOROFORM	
MW-356-03FD	MW-356	11/17/2004	PROFILE	130	130	27.4	27.4	8260B	CHLOROFORM	
MW-356-04	MW-356	11/17/2004	PROFILE	140	140	37.4	37.4	8260B	CHLOROFORM	
MW-356-04	MW-356	11/17/2004	PROFILE	140	140	37.4	37.4	E314.0	PERCHLORATE	
MW-356-05	MW-356	11/17/2004	PROFILE	150	150	47.4	47.4	8260B	CHLOROFORM	
MW-356-05	MW-356	11/17/2004	PROFILE	150	150	47.4	47.4	E314.0	PERCHLORATE	
MW-356-07	MW-356	11/18/2004	PROFILE	160	160	57.4	57.4	8260B	CHLOROFORM	
MW-356-07	MW-356	11/18/2004	PROFILE	160	160	57.4	57.4	8260B	METHYL TERT-BUTYL ETHER	
MW-356-07	MW-356	11/18/2004	PROFILE	160	160	57.4	57.4	8330N	NITROGLYCERIN	NO
MW-356-07	MW-356	11/18/2004	PROFILE	160	160	57.4	57.4	8330N	2,4-DINITROTOLUENE	NO
MW-356-08	MW-356	11/18/2004	PROFILE	170	170	67.4	67.4	8260B	METHYL TERT-BUTYL ETHER	
MW-356-08	MW-356	11/18/2004	PROFILE	170	170	67.4	67.4	8260B	CHLOROFORM	
MW-356-10	MW-356	11/18/2004	PROFILE	190	190	87.4	87.4	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
MW-356-12	MW-356	11/18/2004	PROFILE	210	210	107.4	107.4	8330N	2,4-DINITROTOLUENE	NO
MW-356-12	MW-356	11/18/2004	PROFILE	210	210	107.4	107.4	8330N	2,6-DINITROTOLUENE	NO
MW-356-12	MW-356	11/18/2004	PROFILE	210	210	107.4	107.4	8330N	NITROGLYCERIN	NO
MW-356-13	MW-356	11/19/2004	PROFILE	220	220	117.4	117.4	8260B	CHLOROFORM	

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES RECEIVED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BELOW GROUND SURFACE
SED = SAMPLE COLLECTION END DEPTH IN FEET BELOW GROUND SURFACE
BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed
+ = Interference in sample

TABLE 5
DETECTED COMPOUNDS-UNVALIDATED
INTERIM MONTHLY FOR 12/01/04 - 12/10/04

SAMPLE_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
MW-356-13	MW-356	11/19/2004	PROFILE	220	220	117.4	117.4	8260B	METHYL TERT-BUTYL ETHER	
MW-356-13FD	MW-356	11/19/2004	PROFILE	220	220	117.4	117.4	8260B	METHYL TERT-BUTYL ETHER	
MW-356-13FD	MW-356	11/19/2004	PROFILE	220	220	117.4	117.4	8260B	CHLOROFORM	
MW-356-14	MW-356	11/19/2004	PROFILE	230	230	127.4	127.4	8260B	METHYL TERT-BUTYL ETHER	
MW-356-14	MW-356	11/19/2004	PROFILE	230	230	127.4	127.4	8330N	NITROGLYCERIN	NO
MW-356-16	MW-356	11/22/2004	PROFILE	250	250	147.4	147.4	8260B	CHLOROFORM	
MW-356-17	MW-356	11/22/2004	PROFILE	260	260	157.4	157.4	8260B	CHLOROFORM	
MW-356-19	MW-356	11/23/2004	PROFILE	270	270	167.4	167.4	8260B	CHLOROFORM	
MW-356-21	MW-356	11/24/2004	PROFILE	280	280	177.4	177.4	8260B	CARBON DISULFIDE	
MW-359-01	MW-359	11/15/2004	PROFILE	110	110	15	15	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-359-01	MW-359	11/15/2004	PROFILE	110	110	15	15	8260B	ACETONE	
MW-359-01	MW-359	11/15/2004	PROFILE	110	110	15	15	8260B	CHLOROFORM	
MW-359-01	MW-359	11/15/2004	PROFILE	110	110	15	15	8330N	PENTAERYTHRITOL TETRANITRATE	NO
MW-359-01	MW-359	11/15/2004	PROFILE	110	110	15	15	8330N	3-NITROTOLUENE	NO
MW-359-01	MW-359	11/15/2004	PROFILE	110	110	15	15	8330N	4-NITROTOLUENE	NO
MW-359-01	MW-359	11/15/2004	PROFILE	110	110	15	15	8330N	NITROGLYCERIN	NO
MW-359-02	MW-359	11/15/2004	PROFILE	120	120	25	25	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-359-02	MW-359	11/15/2004	PROFILE	120	120	25	25	8260B	ACETONE	
MW-359-02	MW-359	11/15/2004	PROFILE	120	120	25	25	8260B	CHLOROFORM	
MW-359-03	MW-359	11/15/2004	PROFILE	130	130	35	35	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-359-03	MW-359	11/15/2004	PROFILE	130	130	35	35	8260B	ACETONE	
MW-359-03	MW-359	11/15/2004	PROFILE	130	130	35	35	8260B	CHLOROFORM	
MW-359-03FD	MW-359	11/15/2004	PROFILE	130	130	35	35	8260B	CHLOROFORM	
MW-359-03FD	MW-359	11/15/2004	PROFILE	130	130	35	35	8260B	ACETONE	
MW-359-04	MW-359	11/15/2004	PROFILE	140	140	45	45	8260B	CHLOROFORM	
MW-359-04	MW-359	11/15/2004	PROFILE	140	140	45	45	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-359-04	MW-359	11/15/2004	PROFILE	140	140	45	45	8260B	ACETONE	
MW-359-05	MW-359	11/15/2004	PROFILE	150	150	55	55	8260B	2-BUTANONE (METHYL ETHYL KETONE)	

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DETECTED COMPOUNDS-UNVALIDATED
INTERIM MONTHLY FOR 12/01/04 - 12/10/04

SAMPLE_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
MW-359-05	MW-359	11/15/2004	PROFILE	150	150	55	55	8260B	ACETONE	
MW-359-05	MW-359	11/15/2004	PROFILE	150	150	55	55	8260B	CHLOROFORM	
MW-359-05	MW-359	11/15/2004	PROFILE	150	150	55	55	E314.0	PERCHLORATE	
MW-359-06	MW-359	11/15/2004	PROFILE	160	160	65	65	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-359-06	MW-359	11/15/2004	PROFILE	160	160	65	65	8260B	ACETONE	
MW-359-06	MW-359	11/15/2004	PROFILE	160	160	65	65	E314.0	PERCHLORATE	
MW-359-07	MW-359	11/15/2004	PROFILE	170	170	75	75	8260B	ACETONE	
MW-359-09	MW-359	11/16/2004	PROFILE	180	180	85	85	8260B	ACETONE	
MW-359-09	MW-359	11/16/2004	PROFILE	180	180	85	85	8260B	CHLOROFORM	
MW-359-09	MW-359	11/16/2004	PROFILE	180	180	85	85	8330N	2,6-DINITROTOLUENE	YES+
MW-359-09	MW-359	11/16/2004	PROFILE	180	180	85	85	8330N	NITROGLYCERIN	NO
MW-359-09	MW-359	11/16/2004	PROFILE	180	180	85	85	8330N	PENTAERYTHRITOL TETRANITRATE	NO
MW-359-09	MW-359	11/16/2004	PROFILE	180	180	85	85	8330N	PICRIC ACID	NO
MW-359-10	MW-359	11/16/2004	PROFILE	190	190	95	95	8260B	ACETONE	
MW-359-10	MW-359	11/16/2004	PROFILE	190	190	95	95	8260B	CHLOROFORM	
MW-359-11	MW-359	11/16/2004	PROFILE	200	200	105	105	8260B	ACETONE	
MW-359-12	MW-359	11/16/2004	PROFILE	210	210	115	115	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-359-12	MW-359	11/16/2004	PROFILE	210	210	115	115	8260B	ACETONE	
MW-359-12	MW-359	11/16/2004	PROFILE	210	210	115	115	8330N	2,6-DINITROTOLUENE	YES+
MW-359-12	MW-359	11/16/2004	PROFILE	210	210	115	115	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
MW-359-12	MW-359	11/16/2004	PROFILE	210	210	115	115	8330N	NITROBENZENE	NO
MW-359-12	MW-359	11/16/2004	PROFILE	210	210	115	115	8330N	NITROGLYCERIN	NO
MW-359-12	MW-359	11/16/2004	PROFILE	210	210	115	115	8330N	PENTAERYTHRITOL TETRANITRATE	NO
MW-359-12	MW-359	11/16/2004	PROFILE	210	210	115	115	8330N	PICRIC ACID	NO
MW-359-13	MW-359	11/17/2004	PROFILE	220	220	125	125	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-359-13	MW-359	11/17/2004	PROFILE	220	220	125	125	8260B	ACETONE	
MW-359-13	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	3-NITROTOLUENE	NO
MW-359-13	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	4-NITROTOLUENE	NO

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INTERIM MONTHLY FOR 12/01/04 - 12/10/04

SAMPLE_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
MW-359-13	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	PENTAERYTHRITOL TETRANITRATE	NO
MW-359-13	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	PICRIC ACID	NO
MW-359-13	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	2,6-DINITROTOLUENE	YES+
MW-359-13FD	MW-359	11/17/2004	PROFILE	220	220	125	125	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-359-13FD	MW-359	11/17/2004	PROFILE	220	220	125	125	8260B	ACETONE	
MW-359-13FD	MW-359	11/17/2004	PROFILE	220	220	125	125	8260B	METHYL TERT-BUTYL ETHER	
MW-359-13FD	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	3-NITROTOLUENE	NO
MW-359-13FD	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	PICRIC ACID	NO
MW-359-13FD	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	4-NITROTOLUENE	NO
MW-359-13FD	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	2-NITROTOLUENE	NO
MW-359-13FD	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	2,6-DINITROTOLUENE	YES+
MW-359-13FD	MW-359	11/17/2004	PROFILE	220	220	125	125	8330N	PENTAERYTHRITOL TETRANITRATE	NO
MW-359-14	MW-359	11/17/2004	PROFILE	230	230	135	135	8260B	ACETONE	
MW-359-14	MW-359	11/17/2004	PROFILE	230	230	135	135	8330N	PICRIC ACID	NO
MW-359-14	MW-359	11/17/2004	PROFILE	230	230	135	135	8330N	2,4-DINITROTOLUENE	NO
MW-359-14	MW-359	11/17/2004	PROFILE	230	230	135	135	8330N	2,6-DINITROTOLUENE	YES+
MW-359-14	MW-359	11/17/2004	PROFILE	230	230	135	135	8330N	3-NITROTOLUENE	NO
MW-359-14	MW-359	11/17/2004	PROFILE	230	230	135	135	8330N	4-NITROTOLUENE	NO
MW-359-14	MW-359	11/17/2004	PROFILE	230	230	135	135	8330N	NITROGLYCERIN	NO
MW-359-15	MW-359	11/17/2004	PROFILE	240	240	145	145	8260B	ACETONE	
MW-359-15	MW-359	11/17/2004	PROFILE	240	240	145	145	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-359-15	MW-359	11/17/2004	PROFILE	240	240	145	145	8330N	PICRIC ACID	NO
MW-359-18	MW-359	11/18/2004	PROFILE	270	270	175	175	8260B	CHLOROETHANE	
MW-359-18	MW-359	11/18/2004	PROFILE	270	270	175	175	8330N	2,4-DINITROTOLUENE	NO
MW-359-18	MW-359	11/18/2004	PROFILE	270	270	175	175	8330N	2,6-DINITROTOLUENE	YES+
MW-359-18	MW-359	11/18/2004	PROFILE	270	270	175	175	8330N	3-NITROTOLUENE	NO
MW-359-18	MW-359	11/18/2004	PROFILE	270	270	175	175	8330N	4-NITROTOLUENE	NO
MW-359-18	MW-359	11/18/2004	PROFILE	270	270	175	175	8330N	PICRIC ACID	NO

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MW-360-01	MW-360	11/29/2004	PROFILE	110	110	13	13	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-360-01	MW-360	11/29/2004	PROFILE	110	110	13	13	8260B	CHLOROETHANE	
MW-360-01	MW-360	11/29/2004	PROFILE	110	110	13	13	8260B	CHLOROFORM	
MW-360-01	MW-360	11/29/2004	PROFILE	110	110	13	13	8330N	2,4,6-TRINITROTOLUENE	YES+
MW-360-01	MW-360	11/29/2004	PROFILE	110	110	13	13	8330N	NITROGLYCERIN	NO
MW-360-02	MW-360	11/29/2004	PROFILE	120	120	23	23	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-360-02	MW-360	11/29/2004	PROFILE	120	120	23	23	8260B	CHLOROFORM	
MW-360-03	MW-360	11/29/2004	PROFILE	130	130	33	33	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-360-03	MW-360	11/29/2004	PROFILE	130	130	33	33	8260B	CHLOROFORM	
MW-360-03FD	MW-360	11/29/2004	PROFILE	130	130	33	33	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-360-03FD	MW-360	11/29/2004	PROFILE	130	130	33	33	8260B	CHLOROFORM	
MW-360-04	MW-360	11/29/2004	PROFILE	140	140	43	43	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-360-04	MW-360	11/29/2004	PROFILE	140	140	43	43	8260B	CHLOROFORM	
MW-360-05	MW-360	11/29/2004	PROFILE	150	150	53	53	8260B	CHLOROFORM	
MW-360-09	MW-360	11/30/2004	PROFILE	190	190	93	93	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-360-09	MW-360	11/30/2004	PROFILE	190	190	93	93	8260B	ACETONE	
MW-360-09	MW-360	11/30/2004	PROFILE	190	190	93	93	8260B	CHLOROETHANE	
MW-360-10	MW-360	11/30/2004	PROFILE	200	200	103	103	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-360-10	MW-360	11/30/2004	PROFILE	200	200	103	103	8260B	ACETONE	
MW-360-10	MW-360	11/30/2004	PROFILE	200	200	103	103	8260B	CHLOROETHANE	
MW-360-11	MW-360	12/01/2004	PROFILE	210	210	113	113	8260B	ACETONE	
MW-360-11	MW-360	12/01/2004	PROFILE	210	210	113	113	8260B	CHLOROFORM	
MW-360-11	MW-360	12/01/2004	PROFILE	210	210	113	113	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-360-13	MW-360	12/02/2004	PROFILE	230	230	133	133	8260B	ACETONE	
MW-360-13	MW-360	12/02/2004	PROFILE	230	230	133	133	8330N	NITROGLYCERIN	NO
MW-360-13FD	MW-360	12/02/2004	PROFILE	230	230	133	133	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-360-13FD	MW-360	12/02/2004	PROFILE	230	230	133	133	8260B	ACETONE	
MW-360-13FD	MW-360	12/02/2004	PROFILE	230	230	133	133	8330N	NITROGLYCERIN	NO

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MW-360-15	MW-360	12/02/2004	PROFILE	250	250	153	153	8260B	CHLOROFORM	
MW-360-16	MW-360	12/02/2004	PROFILE	260	260	163	163	8260B	CHLOROFORM	
MW-360-17	MW-360	12/02/2004	PROFILE	270	270	173	173	8260B	CHLOROFORM	
MW-360-18	MW-360	12/02/2004	PROFILE	280	280	183	183	8260B	ACETONE	
MW-360-21	MW-360	12/07/2004	PROFILE	310	310	213	213	8260B	ACETONE	
MW-360-21	MW-360	12/07/2004	PROFILE	310	310	213	213	8330N	PICRIC ACID	NO
MW-360-21	MW-360	12/07/2004	PROFILE	310	310	213	213	8330N	NITROGLYCERIN	NO
MW-361-01	MW-361	11/30/2004	PROFILE	30	35	15.7	20.7	8260B	CHLOROFORM	
MW-361-02	MW-361	11/30/2004	PROFILE	40	45	25.7	30.7	8260B	CHLOROFORM	
MW-361-03	MW-361	11/30/2004	PROFILE	50	55	35.7	40.7	8260B	CHLOROFORM	
MW-361-03FD	MW-361	11/30/2004	PROFILE	50	55	35.7	40.7	8260B	CHLOROFORM	
MW-361-04	MW-361	11/30/2004	PROFILE	60	65	45.7	50.7	8260B	CHLOROFORM	
MW-361-05	MW-361	11/30/2004	PROFILE	70	75	55.7	60.7	8260B	CHLOROFORM	
MW-361-06	MW-361	11/30/2004	PROFILE	80	85	65.7	70.7	8260B	CHLOROFORM	
MW-361-07	MW-361	11/30/2004	PROFILE	90	95	75.7	80.7	8260B	CHLOROFORM	
MW-361-08	MW-361	11/30/2004	PROFILE	100	105	85.7	90.7	8260B	CHLOROFORM	
MW-361-09	MW-361	12/01/2004	PROFILE	110	115	95.7	100.7	8260B	CHLOROFORM	
MW-361-10	MW-361	12/01/2004	PROFILE	120	125	105.7	110.7	8260B	CHLOROFORM	
MW-361-11	MW-361	12/01/2004	PROFILE	130	135	115.7	120.7	8260B	BENZENE	
MW-361-11	MW-361	12/01/2004	PROFILE	130	135	115.7	120.7	8260B	CHLOROFORM	
MW-361-13	MW-361	12/02/2004	PROFILE	140	145	125.7	130.7	8260B	CHLOROFORM	
MW-361-13FD	MW-361	12/02/2004	PROFILE	140	145	125.7	130.7	8260B	CHLOROFORM	
MW-361-14	MW-361	12/02/2004	PROFILE	150	155	135.7	140.7	8260B	CHLOROFORM	
MW-361-15	MW-361	12/02/2004	PROFILE	160	165	145.7	150.7	8260B	CHLOROFORM	
MW-361-16	MW-361	12/02/2004	PROFILE	170	175	155.7	160.7	8260B	CHLOROFORM	
MW-361-17	MW-361	12/02/2004	PROFILE	180	185	165.7	170.7	8260B	CHLOROFORM	

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