

**WEEKLY PROGRESS UPDATE
FOR APRIL 19 - APRIL 23, 1999**

**EPA REGION I ADMINISTRATIVE ORDER SDWA I-97-1019
MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA**

The following summary of progress is for the period from April 19 - April 23, 1999.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of April 23 is summarized in Table 1. Groundwater profile samples collected during the week are summarized in Table 2 (sample type = "profile"). Sampling of new wells continued during the week, as indicated in Table 2 (sample type = "groundwater"). Plans have been made to remobilize the UXO and Drilling Contractors for soil sampling in Demo 1, due to drier conditions at the sampling locations. Soil and sediment samples were collected at the J3 wetland. Soil Sampling at the KD and U Ranges commenced but is currently on hold pending final resolution of the analyte list.

Table 1. Drilling Progress as of April 23, 1999				
Boring	Purpose	Total Depth (ft bgs)	Depth BWT (ft)	Completed Screen (ft bgs)
MW-44	Phase IIa well upgradient of MW-23	238	111	123-133 142-152 182-192
MW-72	Small Arms Range Well (B Range)	127	8	117-127

bgs = below ground surface
BWT = below water table

There were no technical meetings during this reporting period.

2. SUMMARY OF DATA RECEIVED

Preliminary non-validated results are summarized in Table 3 for samples collected over the preceding two-week period. Table 3 indicates where some results in which explosives were detected have been confirmed non-detect using Photo Diode Array (PDA) data.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period included the following:

Weekly Progress Update (April 12-April 16)
Draft Supplement #1 to the Field Sampling Plan for Groundwater

April 21, 1999
April 22, 1999

4. SCHEDULED ACTIONS

Scheduled actions for the week of April 26 are as follows. Groundwater sampling will continue for the Far Field wells, Phase IIa wells, and supplemental IRP wells.

TABLE 2
SAMPLING PROGRESS
4/19-4/23

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED
03MW70AE	FIELDQC	4/20/1999	FIELDQC	0	0
03MW70AT	FIELDQC	4/20/1999	FIELDQC	0	0
27MW0012AE	FIELDQC	4/19/1999	FIELDQC	0	0
27MW0012AT	FIELDQC	4/19/1999	FIELDQC	0	0
90MW0019E	FIELDQC	4/21/1999	FIELDQC	0	0
90MW0019T	FIELDQC	4/21/1999	FIELDQC	0	0
90MW0029BT	FIELDQC	4/23/1999	FIELDQC	0	0
90MW0031E	FIELDQC	4/22/1999	FIELDQC	0	0
90MW0031T	FIELDQC	4/22/1999	FIELDQC	0	0
HC23F1CAE	FIELDQC	4/20/1999	FIELDQC	0	0
HC23F1CAT	FIELDQC	4/19/1999	FIELDQC	0	0
HC44A1BAT	FIELDQC	4/22/1999	FIELDQC	0	0
03MW0048	03MW0048	4/19/1999	GROUNDWATER	52	57
03MW0070A	03MW0070A	4/20/1999	GROUNDWATER	ukn	ukn
11MW0002	11MW0002	4/19/1999	GROUNDWATER	0	10
27MW0012A	27MW0012A	4/19/1999	GROUNDWATER	69	74
27MW0017A	27MW0017A	4/19/1999	GROUNDWATER	65	70
90MW0004	90MW0004	4/20/1999	GROUNDWATER	73	78
90MW0005	90MW0005	4/19/1999	GROUNDWATER	98	103
90MW0013	90MW0013	4/20/1999	GROUNDWATER	0	10
90MW0014	90MW0014	4/21/1999	GROUNDWATER	78	83
90MW0019	90MW0019	4/21/1999	GROUNDWATER	78	83
90MW0021	90MW0021	4/22/1999	GROUNDWATER	78	83
90MW0029B	90MW0029B	4/23/1999	GROUNDWATER	0	10
90MW0031	90MW0031	4/22/1999	GROUNDWATER	112	117
90MW0038	90MW0038	4/21/1999	GROUNDWATER	29	34
90WT0015	90WT0015	4/23/1999	GROUNDWATER	0	10
W50SSA	W50SSA	4/23/1999	GROUNDWATER	0	10
DW3620	GAC WATER	4/20/1999	IDW	0	0
DW3823	GAC WATER	4/23/1999	IDW	0	0
HC23D1AAA	23D	4/19/1999	SOIL GRID	0"	3"
HC23D1AAD	23D	4/19/1999	SOIL GRID	0"	3"
HC23D1BAA	23D	4/20/1999	SOIL GRID	3"	6"
HC23D1CAA	23D	4/20/1999	SOIL GRID	6"	12"
HC23D3CAA	23D	4/20/1999	SOIL GRID	6"	12"
HC23E1AAA	23E	4/20/1999	SOIL GRID	0"	3"
HC23E1BAA	23E	4/19/1999	SOIL GRID	3"	6"
HC23E1CAA	23E	4/19/1999	SOIL GRID	6"	12"
HC23F1CAA	23F	4/19/1999	SOIL GRID	6"	12"
HC44A1AAA	44A	4/22/1999	SOIL GRID	3"	6"
HC44A1BAA	44A	4/22/1999	SOIL GRID	3"	6"
HC44A1CAA	44A	4/22/1999	SOIL GRID	6"	12"

Profiling methods include: Volatiles and Explosives

Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry

Other Sample Types methods are variable

SBD = Sample Begin Depth, measured in feet bgs for profile, and feet below water table for groundwater

SED = Sample End Depth, measured in feet bgs for profile, and feet below water table for groundwater

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 SAMPLING PROGRESS
 4/19-4/23

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED
HC44D1AAA	44D	4/22/1999	SOIL GRID	0"	3"
HC44D1BAA	44D	4/22/1999	SOIL GRID	3"	6"
HC44D1CAA	44D	4/22/1999	SOIL GRID	6"	12"
HD23D3AAA	23D	4/19/1999	SOIL GRID	0"	3"
HD23D3BAA	23D	4/19/1999	SOIL GRID	3"	6"
HD23E3AAA	23E	4/19/1999	SOIL GRID	0"	3"
HD23E3BAA	23E	4/19/1999	SOIL GRID	3"	6"
HD23E3CAA	23E	4/19/1999	SOIL GRID	6"	12"
HD23F3CAA	23F	4/19/1999	SOIL GRID	6"	12"
HD23H1AAA	23H	4/20/1999	SOIL GRID	0"	6"
HD23I1AAA	23I	4/20/1999	SOIL GRID	0"	6"
HD23J1AAA	23J	4/20/1999	SOIL GRID	0"	6"
HD23K1AAA	23K	4/20/1999	SOIL GRID	0"	6"
HD23K1AAD	23K	4/20/1999	SOIL GRID	0"	6"
HD44D3AAA	44D	4/22/1999	SOIL GRID	0"	3"
HD44D3BAA	44D	4/22/1999	SOIL GRID	3"	6"
HD44D3CAA	44D	4/22/1999	SOIL GRID	6"	12"

Profiling methods include: Volatiles and Explosives

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 4/12/99-4/23/99

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	LAB_METHOD	OGDEN_ANALYTE	PDA
15MW0009	15MW0009	4/13/1999	GROUNDWATER	0	0	8330N	1,3,5-TRINITROBENZENE	
G44MAA	MW-44	4/12/1999	PROFILE	137.6	137.6	8330N	3-NITROTOLUENE	NO
G44MAA	MW-44	4/12/1999	PROFILE	137.6	137.6	8330N	4-NITROTOLUENE	NO
G44MAA	MW-44	4/12/1999	PROFILE	137.6	137.6	8330N	NITROBENZENE	NO
G44MAA	MW-44	4/12/1999	PROFILE	137.6	137.6	8330N	NITROGLYCERIN	NO
G44MAA	MW-44	4/12/1999	PROFILE	137.6	137.6	8330N	PICRIC ACID	NO
G44MAA	MW-44	4/12/1999	PROFILE	137.6	137.6	OC21V	ACETONE	
G44MAA	MW-44	4/12/1999	PROFILE	137.6	137.6	OC21V	CHLOROMETHANE	
G44MAA	MW-44	4/12/1999	PROFILE	137.6	137.6	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MBA	MW-44	4/12/1999	PROFILE	147.6	147.6	8330N	1,3,5-TRINITROBENZENE	NO
G44MBA	MW-44	4/12/1999	PROFILE	147.6	147.6	8330N	3-NITROTOLUENE	NO
G44MBA	MW-44	4/12/1999	PROFILE	147.6	147.6	8330N	4-NITROTOLUENE	NO
G44MBA	MW-44	4/12/1999	PROFILE	147.6	147.6	8330N	NITROGLYCERIN	NO
G44MBA	MW-44	4/12/1999	PROFILE	147.6	147.6	8330N	PICRIC ACID	NO
G44MBA	MW-44	4/12/1999	PROFILE	147.6	147.6	OC21V	ACETONE	
G44MBA	MW-44	4/12/1999	PROFILE	147.6	147.6	OC21V	CHLOROMETHANE	
G44MBA	MW-44	4/12/1999	PROFILE	147.6	147.6	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MBD	MW-44	4/12/1999	PROFILE	147.6	147.6	8330N	1,3,5-TRINITROBENZENE	NO
G44MBD	MW-44	4/12/1999	PROFILE	147.6	147.6	8330N	3-NITROTOLUENE	NO
G44MBD	MW-44	4/12/1999	PROFILE	147.6	147.6	8330N	NITROGLYCERIN	NO
G44MBD	MW-44	4/12/1999	PROFILE	147.6	147.6	8330N	PICRIC ACID	NO
G44MBD	MW-44	4/12/1999	PROFILE	147.6	147.6	OC21V	ACETONE	
G44MBD	MW-44	4/12/1999	PROFILE	147.6	147.6	OC21V	CHLOROMETHANE	
G44MBD	MW-44	4/12/1999	PROFILE	147.6	147.6	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MCA	MW-44	4/13/1999	PROFILE	157.5	157.5	8330N	NITROGLYCERIN	NO
G44MCA	MW-44	4/13/1999	PROFILE	157.5	157.5	OC21V	ACETONE	
G44MCA	MW-44	4/13/1999	PROFILE	157.5	157.5	OC21V	CHLOROMETHANE	
G44MCA	MW-44	4/13/1999	PROFILE	157.5	157.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MDA	MW-44	4/13/1999	PROFILE	167.5	167.5	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZIN	NO
G44MDA	MW-44	4/13/1999	PROFILE	167.5	167.5	8330N	NITROGLYCERIN	NO
G44MDA	MW-44	4/13/1999	PROFILE	167.5	167.5	OC21V	ACETONE	
G44MEA	MW-44	4/13/1999	PROFILE	177.5	177.5	8330N	NITROGLYCERIN	NO
G44MEA	MW-44	4/13/1999	PROFILE	177.5	177.5	OC21V	ACETONE	

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.
SBD = SAMPLE COLLECTION BEGIN DEPTH (FEET BGS FOR SOILS AND PROFILE, FEET BELOW WATER TABLE FOR GROUNDWATER)
SED = SAMPLE COLLECTION END DEPTH (FEET BGS FOR SOILS AND PROFILE, FEET BELOW WATER TABLE FOR GROUNDWATER)
PDA/YES = Photo Diode Array, Detect Confirmed
PDA/NO = Photo Diode Array, Detect Not Confirmed

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OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMP_TYPE	SBD	SED	LAB_METHOD	OGDEN_ANALYTE	PDA
G44MEA	MW-44	4/13/1999	PROFILE	177.5	177.5	OC21V	CHLOROMETHANE	
G44MEA	MW-44	4/13/1999	PROFILE	177.5	177.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MEA	MW-44	4/13/1999	PROFILE	177.5	177.5	OC21V	XYLENES, TOTAL	
G44MFA	MW-44	4/13/1999	PROFILE	187.5	187.5	8330N	1,3,5-TRINITROBENZENE	NO
G44MFA	MW-44	4/13/1999	PROFILE	187.5	187.5	8330N	2,6-DINITROTOLUENE	YES
G44MFA	MW-44	4/13/1999	PROFILE	187.5	187.5	8330N	NITROGLYCERIN	NO
G44MFA	MW-44	4/13/1999	PROFILE	187.5	187.5	OC21V	ACETONE	
G44MFA	MW-44	4/13/1999	PROFILE	187.5	187.5	OC21V	CHLOROMETHANE	
G44MFA	MW-44	4/13/1999	PROFILE	187.5	187.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MGA	MW-44	4/13/1999	PROFILE	197.5	197.5	8330N	1,3,5-TRINITROBENZENE	NO
G44MGA	MW-44	4/13/1999	PROFILE	197.5	197.5	8330N	NITROGLYCERIN	NO
G44MGA	MW-44	4/13/1999	PROFILE	197.5	197.5	8330N	PICRIC ACID	NO
G44MGA	MW-44	4/13/1999	PROFILE	197.5	197.5	OC21V	ACETONE	
G44MGA	MW-44	4/13/1999	PROFILE	197.5	197.5	OC21V	CHLOROMETHANE	
G44MGA	MW-44	4/13/1999	PROFILE	197.5	197.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MHA	MW-44	4/13/1999	PROFILE	207.5	207.5	8330N	1,3,5-TRINITROBENZENE	NO
G44MHA	MW-44	4/13/1999	PROFILE	207.5	207.5	8330N	NITROGLYCERIN	NO
G44MHA	MW-44	4/13/1999	PROFILE	207.5	207.5	OC21V	ACETONE	
G44MHA	MW-44	4/13/1999	PROFILE	207.5	207.5	OC21V	CHLOROMETHANE	
G44MHA	MW-44	4/13/1999	PROFILE	207.5	207.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MIA	MW-44	4/13/1999	PROFILE	217.5	217.5	8330N	3-NITROTOLUENE	NO
G44MIA	MW-44	4/13/1999	PROFILE	217.5	217.5	8330N	4-NITROTOLUENE	NO
G44MIA	MW-44	4/13/1999	PROFILE	217.5	217.5	8330N	NITROGLYCERIN	NO
G44MIA	MW-44	4/13/1999	PROFILE	217.5	217.5	OC21V	ACETONE	
G44MIA	MW-44	4/13/1999	PROFILE	217.5	217.5	OC21V	CHLOROMETHANE	
G44MIA	MW-44	4/13/1999	PROFILE	217.5	217.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	
G44MJA	MW-44	4/14/1999	PROFILE	227.5	227.5	8330N	NITROGLYCERIN	NO
G44MJA	MW-44	4/14/1999	PROFILE	227.5	227.5	8330N	PICRIC ACID	NO
G44MJA	MW-44	4/14/1999	PROFILE	227.5	227.5	OC21V	ACETONE	
G44MKA	MW-44	4/14/1999	PROFILE	237.5	237.5	8330N	3-NITROTOLUENE	NO
G44MKA	MW-44	4/14/1999	PROFILE	237.5	237.5	8330N	4-NITROTOLUENE	NO
G44MKA	MW-44	4/14/1999	PROFILE	237.5	237.5	8330N	NITROGLYCERIN	NO
G44MKA	MW-44	4/14/1999	PROFILE	237.5	237.5	8330N	PICRIC ACID	NO

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G44MKA	MW-44	4/14/1999	PROFILE	237.5	237.5	OC21V	ACETONE	
G44MKA	MW-44	4/14/1999	PROFILE	237.5	237.5	OC21V	CHLOROMETHANE	
G44MKA	MW-44	4/14/1999	PROFILE	237.5	237.5	OC21V	METHYL ETHYL KETONE (2-BUTANONE)	

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