

**WEEKLY PROGRESS UPDATE
FOR FEBRUARY 13 - FEBRUARY 19, 1998**

**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 February 13 to February 19, 1998.

1. SUMMARY OF ACTIONS TAKEN

UXO Surveys

No UXO surveys were performed during this period.

Drilling

One drill rig is in the process of installing the shallow and deep monitoring wells at MW-19. The second Barber Rig is installing monitoring well MW-3S at 44-54 feet bgs and MW-3D at 262-267 feet bgs.

Samples

Groundwater samples were collected from monitoring wells MW-5D, MW-5M2, RW-1, RW-2, 28MW106, and FS12-MW80 (added for MW-30 response).

Water Level Measurements

The next synoptic round of water level measurements is scheduled for March 31, 1998.

Plans and Reports

All Final FSPs are complete at this time. Revision pages for the Surface Water/Sediment FSP and the Groundwater FSP are currently being prepared. The Interim Results Report is currently being prepared.

Meetings

A conference call was conducted with EPA, MADEP, and USGS on February 19 to discuss progress on the project. The next IAGS Review Team meeting is scheduled for Monday, March 2, at the Forestdale School.

2. SUMMARY OF DATA RECEIVED

Preliminary non-validated data that were received during the reporting period for explosives analyses are presented in Table 1 for soil samples, Table 2 for sediment samples, Table 3 for groundwater samples, and Table 4 for surface water. Results from soil samples were as follows:

Explosive compounds were detected by Method 8330 in two soil samples collected from 0.0-0.5 feet bgs in Area 12 (Demo Area 1).

Results from sediment samples were as follows:

Explosive compounds were detected by Method 8330 in one sediment sample collected from 0-0.5 feet bgs in Area 23 (J3 Wetland).

Explosive compounds were detected by Method 8330 in one sediment sample collected from 0-0.5 feet bgs in Area 43 (Upper Pond).

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period included the following:

Weekly Progress Update (February 6 to February 12, 1998)

February 17, 1998

4. SCHEDULED ACTIONS

During the next week, installation of shallow and deep wells at MW-19 and MW-3 will be completed, and intermediate depth wells will be installed at MW-3. Groundwater sampling will continue at monitoring well locations MW-2S, MW-5M2, CS-19/MW0002, FS-14/MW-1, and FSW228040.

Table 1. Preliminary (non-validated) Results for Explosives in Soil Samples				
Sample ID	Location	Sample Depth (feet bgs)	Method	Compound
BGLFAA	Area 18 (GP-18) Grid F	0.0-0.5	8330	ND
BGMBAA	Area 17 (GP-7) Grid B	0.0-0.5	8330	ND
BGMCAA	Area 17 (GP-7) Grid C	0.0-0.5	8330	ND
BM5ABA	Area 21 (MP-5) Grid A	1.5-2.0	8330	ND
BM5CBA	Area 21 (MP-5) Grid C	1.5-2.0	8330	ND
BM5EBA	Area 21 (MP-5) Grid E	1.5-2.0	8330	ND

Table 1. Preliminary (non-validated) Results for Explosives in Soil Samples				
Sample ID	Location	Sample Depth (feet bgs)	Method	Compound
BM6ABD	Area 20 (MP-6) Grid A (dup)	1.5-2.0	8330	ND
BM6BBA	Area 20 (MP-6) Grid B	1.5-2.0	8330	ND
BM6CBA	Area 20 (MP-6) Grid C	1.5-2.0	8330	ND
BM8ABA	Area 19 (MP-8) Grid A	1.5-2.0	8330	ND
BM8BBA	Area 19 (MP-8) Grid B	1.5-2.0	8330	ND
BOPABA	Area 22 (OP-5) Grid A	1.5-2.0	8330	ND
BOPCBA	Area 22 (OP-6) Grid C	1.5-2.0	8330	ND
BOPDBA	Area 22 (OP-6/7) Grid D	1.5-2.0	8330	ND
BOPEBA	Area 22 (OP-7) Grid E	1.5-2.0	8330	ND
B11ABA	Area 11 (control) Grid A	1.5-2.0	8330	ND
B12BAA	Area 12 (Demo 1) Grid B	0-0.5	8330	RDX HMX
B12CAA	Area 12 (Demo 1) Grid C	0-0.5	8330	RDX HMX 2AmDNT 4AmDNT
B13BBA	Area 13 (Demo 2) Grid B	1.5-2.0	8330	ND
B15CAA	Area 15 Grid C	0-0.5	8330	ND

Table 1 Acronyms & Abbreviations:

8330 - EPA Method 8330

ND - No Detected Explosives Compounds

RDX - Hexahydro-1,3,5-trinitro-1,3,5-triazine

HMX - Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine

2AmDNT- 2-Amino-4,6-dinitrotoluene

4AmDNT- 4-Amino-2,6-dinitrotoluene

Table 2. Preliminary (non-validated) Results for Explosives in Sediment				
Sample ID	Location	Sample Depth (feet bgs)	Method	Compound
D23BAD	Area 23 (J3 Wetland) Sample B (dup)	0-0.5	8330	NG
D37CAA	Area 37 (Bypass Bog) Sample C	0-0.5	8330	ND

Table 2. Preliminary (non-validated) Results for Explosives in Sediment				
Sample ID	Location	Sample Depth (feet bgs)	Method	Compound
D43GAA	Area 43 (Upper Pond) Sample G	0-0.5	8330	PETN

Table 2 Acronyms & Abbreviations:

8330 - EPA Method 8330

ND - No Detected Explosives Compounds

NG - Nitroglycerin

PETN -Pentaerythritol tetranitrate

Table 3. Preliminary (non-validated) Results for Explosives in Groundwater				
Sample ID	Location	Sample Depth	Method	Compound
WF03XA	FS12-WT03	87.5-97.5	8330	ND
WF71XA	FS12-MW71	150-155	8330	ND
WT04XA	FS-12-WT04	35-45	8330	ND
WB703A	BB-703		8330	ND
WT711A	CS1-WT711	108-118	8330	ND
WT712A	CS1-WT712	114-124	8330	ND
WS122A	CS10-MW122A	83.4-93.4	8330	ND
W26SSA	MW-26S	129-139	8330	ND
W9514A	Bourne Well 95-14		8330	ND

Table 3 Acronyms & Abbreviations:

8330 - EPA Method 8330

ND - No Detected Explosive Compounds

Table 4. Preliminary (non-validated) Results for Explosives in Surface Water			
Sample ID	Location	Method	Compound
P37AAA	Area 37 (Bypass Bog) Sample A	8330	ND
P37BAA	Area 37 (Bypass Bog) Sample B	8330	ND
P37CAA	Area 37 (Bypass Bog) Sample C	8330	ND

Table 4. Preliminary (non-validated) Results for Explosives in Surface Water			
Sample ID	Location	Method	Compound
P37CAD	Area 37 (Bypass Bog) Sample C (dup)	8330	ND
P43AAA	Area 43 (Upper Pond) Sample A	8330	ND
P43BAA	Area 43 (Upper Pond) Sample B	8330	ND
P43CAA	Area 43 (Upper Pond) Sample C	8330	ND
P43DAA	Area 43 (Upper Pond) Sample D	8330	ND
P43EAA	Area 43 (Upper Pond) Sample E	8330	ND
P43FAA	Area 43 (Upper Pond) Sample F	8330	ND
P43GAA	Area 43 (Upper Pond) Sample G	8330	ND
P43HAA	Area 43 (Upper Pond) Sample H	8330	ND

Table 4 Acronyms & Abbreviations:

8330 - EPA Method 8330

ND - No Detected Explosive Compounds