

**WEEKLY PROGRESS UPDATE
FOR FEBRUARY 27 - MARCH 5, 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 27 to March 5, 1998.

1. SUMMARY OF ACTIONS TAKEN

UXO Surveys

Inventorying, excavation, and removal of UXO continued at the pit located at Grid O on the J-1 Range (Area 5). The munitions removed in December amounted to 1030 81-mm mortars (possible HE), 4 81-mm illumination rounds (non-HE), 54 60-mm mortars (spotting smoke charge), 2 105-mm projectiles (HE), 2 105-mm HEAT (possible HE), and 134 M52 series PD fuses (non-HE). The excavation was extended to approximately 25 feet square and 15 feet deep, at which time no additional munitions were uncovered or magnetic anomalies were observed. An additional 37 81-mm mortars (possible HE) and 3 60-mm mortars (spotting smoke charge) were recovered during this operation.

Drilling

Two intermediate wells, MW-3M1 and MW-3M2 were installed at 240-245 feet bgs and 180-185 feet bgs. The remaining drill rig has demobilized from the site.

Samples

Groundwater samples were collected from monitoring wells MW-3, MW-19S, MW-19D, and CS-19/MW-2.

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 were submitted to EPA. Revision pages for the Groundwater FSP are currently being prepared.

Meetings

EPA convened a meeting of the Impact Area Groundwater Study (IAGS) Review Team on March 2 at the Forestdale School to discuss plans for disposal of buried munitions recovered

from Area 5 in December. A technical meeting was convened with EPA and USGS on March 4 to discuss progress on the project. The next IAGS Review Team meeting is scheduled for March 31, 1998.

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, and Table 3 for groundwater samples. No explosives were detected in the single soil sample for which results were reported. Explosive compounds were detected by Method 8330 in a sediment sample collected from 0-0.5 feet bgs at Area 23 (J-3 Wetland), and in a groundwater sample collected from monitoring well 28MW0106 in the SD-5 area.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period included the following:

Weekly Progress Update (February 20 to February 26, 1998)	February 27, 1998
Replacement Pages for the Final Surface Water/Sediment FSP	February 27, 1998

4. SCHEDULED ACTIONS

During the next week, groundwater sampling will continue at monitoring well locations MW-3M1 and -3M2. The UXO Contractor will continue clearance activities at several grids and sampling locations that have not previously been cleared. Soil sampling will be performed at 1.5-2.0 feet bgs at various locations for which complete data on the upper soil interval are available.

Table 1. Preliminary (non-validated) Results for Explosives in Soil Samples				
Sample ID	Location	Sample Depth (feet bgs)	Method	Compound
S30DBA	Soil Boring MW-30	1.5-2.0	8330	ND

Table 1 Acronyms & Abbreviations:
 8330 - EPA Method 8330
 ND - No Detected Explosives Compounds

Table 2. Preliminary (non-validated) Results for Explosives in Sediment				
Sample ID	Location	Sample Depth (feet bgs)	Method	Compound
D23BAA	Area 23 (J-3 Wetland), Sample B	0-0.5	8330	Nitroglycerin

Table 2 Acronyms & Abbreviations:
8330 - EPA Method 8330

Table 3. Preliminary (non-validated) Results for Explosives in Groundwater				
Sample ID	Location	Sample Depth	Method	Compound
W05M2A	Monitoring Well MW-5M2	170-175	8330	ND
W05DDA	Monitoring Well MW-5D	335-340	8330	ND
WF80XA	Monitoring Well FS-12/90MW0080	-	8330	ND
WL28XA	Monitoring Well SD-5/28MW0106	85.5-90.5	8330	Nitroglycerin
WRW1XA	Monitoring Well RW-1	-	8330	ND

Table 3 Acronyms & Abbreviations:
8330 - EPA Method 8330
ND - No Detected Explosive Compounds