

**WEEKLY PROGRESS UPDATE  
FOR JANUARY 9 - JANUARY 15, 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 January 9 to January 15, 1998.

**1. SUMMARY OF ACTIONS TAKEN**

UXO Surveys

No UXO surveys were performed during this period.

Drilling

One shallow well was installed at MW-26 on January 15. The well is screened at the water table at 129-139 feet bgs. A second Barber Rig was mobilized to the site.

Samples

Groundwater samples were collected from background monitoring wells FS-12/WT-5, FS-12/WT-8, FS-12/GMW-22, 03MW-00060, and USFW241098. Soil samples were collected at 10 foot intervals during the advancement of the boring for MW-26. Soil samples were collected from 0-6" at Areas 1 and 5, and from 18-24" at Areas 4 and 6. Surface water and sediment samples were collected at Areas 8, 26, 27, 30, 31 and 34.

Water Level Measurements

Continuous water level measurements for the period from August 1 to November 21 were graphed with precipitation and barometric pressure and provided to MADEP, EPA, and USGS. No further continuous measurements are planned at this time. The next synoptic round of water level measurements is scheduled for March 31, 1998.

Plans and Reports

NGB submitted revised pages for the Final Background FSP on January 9. NGB is preparing the final version of the Area 5 FSP based on EPA's letter dated December 10. NGB awaits EPA comments on the Draft Storm Water FSP, and the Gun Position portion of the Draft Gun and Mortar Positions FSP.

Meetings

A technical meeting with EPA, MADEP, and USGS was convened January 15, 1997. The next

IAGS Review Team meeting is scheduled for January 28 at 6:00 pm at the Bourne Best Western, with a pre-meeting for citizen members of the Review Team at 5:30 pm to discuss risk assessment consulting. The primary topics proposed for the January 28 meeting are: 1) an update on groundwater and soil results from recent sampling; 2) a general discussion of the fate and transport of explosive compounds in soil and groundwater; 3) an update on plans for disposal of excavated munitions; and 4) general discussion of issues of concern.

**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. No groundwater data were received during this reporting period. Results from soil samples were as follows:

Explosives were detected by the CRREL Method in soil samples collected from 0-0.5 feet below the ground surface (bgs) in Area 1.

Explosives were detected by the CRREL Method in soil samples collected from 0-0.5 feet bgs at Mortar Position (MP) 3.

Explosives were detected by the CRREL Method in a soil sample collected from 1.5-2.0 feet bgs at MW-26.

**3. DELIVERABLES SUBMITTED**

Deliverables submitted during the reporting period included the following:

Weekly Progress Update (December 31, 1997 - January 8, 1998)	January 9, 1998
Replacement Pages for Final Background FSP	January 9, 1998
Monthly Progress Report for December 1997	January 9, 1998

**4. SCHEDULED ACTIONS**

During the next week, well drilling and installation will continue at monitoring wells MW-19D and MW-3D. Monitoring well development will continue at MW-7M, MW-13S, MW-13D and MW-26S. Groundwater sampling will continue at background monitoring well locations. Soil sampling will continue at grid locations in Area 3, 5, 7, 8, 11, and 12. Sediment and surface water sampling will continue at ponds and swamps.

<b>Table 1. Preliminary (non-validated) Results for Explosives in Soil Samples</b>				
<b>Sample ID</b>	<b>Location</b>	<b>Sample Depth (feet bgs)</b>	<b>Method</b>	<b>Compound</b>
B011AA	Area 1 Grid I	0-0.5	CRREL	TNT/DNT

<b>Table 1. Preliminary (non-validated) Results for Explosives in Soil Samples</b>				
<b>Sample ID</b>	<b>Location</b>	<b>Sample Depth (feet bgs)</b>	<b>Method</b>	<b>Compound</b>
B01JAA	Area 1 Grid J	0-0.5	CRREL	TNT/DNT
B01KAA	Area 1 Grid K	0-0.5	CRREL	TNT/DNT
B04ABA	Area 4 Grid A	1.5-2.0	CRREL	ND
B04BBA	Area 4 Grid B	1.5-2.0	CRREL	ND
B04CBA	Area 4 Grid C	1.5-2.0	CRREL	ND
BO4DBA	Area 4 Grid D	1.5-2.0	CRREL	ND
B04EBA	Area 4 Grid E	1.5-2.0	CRREL	ND
B04FBA	Area 4 Grid F	1.5-2.0	CRREL	ND
B06ABA	Area 6 Grid A	1.5-2.0	CRREL	ND
B06BBA	Area 6 Grid B	1.5-2.0	CRREL	ND
BM3AAA	MP-3 Grid A	0-0.5	CRREL	TNT/DNT
BM3BAA	MP-3 Grid B	0-0.5	CRREL	TNT/DNT
BM3CAA	MP-3 Grid C	0-0.5	CRREL	TNT/DNT
BM3DAA	MP-3 Grid D	0-0.5	CRREL	TNT/DNT, RDX/HMX
BM3EAA	MP-3 Grid E	0-0.5	CRREL	TNT/DNT
S03DBA	Monitoring Well MW-3	1.5-2.0	CRREL	ND
S04DBA	Monitoring Well MW-4	1.5-2.0	CRREL	ND
S11DBA	Monitoring Well MW-11	1.5-2.0	CRREL	ND
S16DBA	Monitoring Well MW-16	1.5-2.0	CRREL	ND
S19DBA	Monitoring Well MW-19	1.5-2.0	CRREL	ND
S26DBA	Monitoring Well MW-26	1.5-2.0	CRREL	TNT/DNT
S26DCA	Monitoring Well MW-26	10	CRREL	ND
S30DAA	Monitoring Well MW-30	0-0.5	CRREL	ND

Table 1 Acronyms &amp; Abbreviations:

CRREL - Cold Regions Research Environmental Laboratory

ND - No Detected

TNT/DNT - Detected Explosive Compounds using the TNT/DNT Screen

RDX/HMX - Detected Explosive Compounds using the RDX/HMX Screen