

**WEEKLY PROGRESS UPDATE
FOR DECEMBER 31, 1997 - JANUARY 8, 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 December 31, 1997 to January 8, 1998.

1. SUMMARY OF ACTIONS TAKEN

UXO Surveys

No UXO surveys were performed during this period.

Drilling

Two intermediate depth wells were being installed at MW-2 on January 8. The wells are screened at 170-175 and 212-217 feet bgs based on groundwater profiling data for the deep boring at MW-2.

Samples

Groundwater samples were collected from background monitoring wells 90-MW0054, 03-MW0604A, USGS SD263111, and USGS SD26160. Soil samples were collected from 0-6" at soil boring MW-30 and from 18-24" at soil borings MW-3, MW-11, MW-16, MW-19, and MW-26. Soil samples were also collected from 0-6" at Area 4, and MP-3.

Water Level Measurements

A third round of water level measurements was collected on December 30. A draft water level contour map has been prepared based on these measurements and is attached to this report.

Plans and Reports

NGB submitted letters to EPA and MADEP on January 6, 1998 proposing resolution of comments on the Draft Mortar Position FSP and the Draft Surface Water/Sediment FSP. NGB is preparing final versions of the Background FSP and the Area 5 FSP based on EPA letters dated December 24 and December 10, respectively. 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 MADEP was convened January 8, 1997. The next IAGS Review Team

meeting is scheduled for January 28 at 6:00 pm (location to be confirmed), with a pre-meeting for citizen members of the Review Team at 5:30 pm to discuss risk assessment consulting.

2. SUMMARY OF DATA RECEIVED

Preliminary non-validated data that were received during the reporting period for explosives analyses are summarized in Table 1 for water samples, and in Table 2 for soil samples.

Table 2 indicates one detection of explosives in a soil sample, as follows:

Method 8330 detected PETN in a soil sample collected from 0 to 0.5 feet below ground surface in Area 4.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period included the following:

Weekly Progress Update (December 19 - December 30)

December 31, 1997

4. SCHEDULED ACTIONS

During the next week, well drilling and installation will continue at monitoring wells MW-5M and MW-3D. Monitoring well development will continue at MW-1M1, MW-2S, MW-2M1, MW-2M2, MW-18M1 and MW-18M2. Groundwater sampling will continue at background monitoring well locations. Soil sampling will continue at grid locations in Area 1, 3, 5, and 12. Sediment and surface water sampling will start at ponds and swamps.

Table 1. Preliminary (non-validated) Results for Explosives in Water Samples				
Sample ID	Location	Screen Depth (feet bgs)	Method	Compound
W10M1A	Well MW-10M1 groundwater	280-285	8330	none detected
W22SSA	Well MW-22S groundwater	170.5-180.5	8330	none detected
WL41XA	Well LRWS 4-1 groundwater	117.37-132.37	8330	none detected
WL51XA	Well LRWS 5-1 groundwater	115.66-130.66	8330	none detected
WL51XD	Well LRWS 5-1 groundwater Dup	115.66-130.66	8330	none detected
WG083A	Well USGS BHW 215083 groundwater	16.8-19.1	8330	none detected

Table 2. Preliminary (non-validated) Results for Explosives in Soil Samples				
Sample ID	Location	Sample Depth (feet bgs)	Method	Compound
B04GAA	Area 4 grid G	0.0-0.5	8330	PETN
BG5AAA	Area 5 grab sample at 100-m target (below steel plate)	0.0-0.5	8330	none detected
BG5BAA	Area 5 grab sample at 1000-m target (between steel plates)	0.0-0.5	8330	none detected
BG5CAA	Area 5 grab sample at hole in base of steel-lined pit	0.0-0.5	8330	none detected

Table 2 Acronyms & Abbreviations:

PETN =pentaerythritol tetran itrate