

**WEEKLY PROGRESS UPDATE  
FOR JANUARY 18 - JANUARY 22, 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 January 18 - 22, 1999.

**1. SUMMARY OF ACTIONS TAKEN**

An additional drilling crew and equipment were mobilized to the site. Drilling progress as of January 22 is summarized in Table 1. Groundwater profile samples were collected and are summarized in Table 2. Resampling of Phase I wells continued. Wells that were resampled are summarized in Table 2. The results of data received is summarized in Table 3. Soil sampling in Demo 1 is still on hold due to standing water at many of the sampling locations. UXO clearance continued in the Impact Area for the drilling pads and access roads for the Phase II (a) wells. A 105mm Base Ejection SMK/Illumination round with MMF fuze was found while clearing the drilling pad for well MW-37.

<b>Table 1. Drilling Progress as of January 22, 1999</b>				
<b>Boring</b>	<b>Purpose</b>	<b>Total Depth (ft bgs)</b>	<b>Depth BWT (ft)</b>	<b>Completed Screen (ft bgs)</b>
MW-34	Delineate groundwater contamination downgradient of Demo Area 1			111-121 131-141 151-161
MW-35	Delineate groundwater contamination downgradient of Demo 1 and MW-34	120	34	
MW-52	Far field monitoring well upgradient of LRWS-1	305	140	
MW-53	Far field monitoring well upgradient of LRWS-1			121-131 283-293
MW-46	Far field monitoring well upgradient of LRWS-2	310	148	
MW-47	Far field monitoring well upgradient of LRWS-2			115-120 131.5-141.5
MW-51	Far field monitoring well upgradient of 95-6	195	51.5	
MW-21 (new)	Far field monitoring well upgradient of LRWS-2	30		
bgs = below ground surface BWT = below water table				

The Guard, MADEP, and EPA spoke by conference call on January 19 to set screen depths for MW-47 and new MW-21, and to discuss screen depths for new MW-17. EPA requested that the cross-section of the area near Demo 1 that was provided in Figure 10 of the Workplan for Completion of Phase I Activities be updated and distributed. The updated cross-section is attached to this report. The new figure shows the latest particle track provided by USGS, the groundwater profile detections and selected screen intervals at MW-34, and the new position of MW-35 (also shown in Figure 1 of last week's update). The Guard will prioritize development and sampling of the new wells at MW-34.

The Guard, MADEP, and EPA met on January 20 to tour the Impact Area and Training Ranges and discuss

logistics for the UXO Survey.

The Guard, MADEP, and EPA spoke by conference call on January 21 to discuss headspace readings and proposed screen elevations for MW-53. This boring was terminated at about 300 feet due to a potential concern with the drilling process providing a pathway for migration of unidentified contaminants located at that depth. The January 21 conference call also discussed profile detections to date, several proposals to revise investigation procedures as they relate to confirming bedrock refusal and disposing of monitoring well purge water, and recent EPA comment letters.

**2. SUMMARY OF DATA RECEIVED**

Preliminary non-validated results are summarized in Table 3.

**3. DELIVERABLES SUBMITTED**

Deliverables submitted during the reporting period included the following:

Weekly Progress Update (January 11-15)

January 18, 1999

**4. SCHEDULED ACTIONS**

Scheduled actions for the week of January 18 are as follows. Drilling will continue at MW-52, 51, 35, 46, 21. Drilling will commence on MW-50 which is a far field monitoring well upgradient of 95-6. UXO clearance will continue for the drilling pads and access roads for the Phase II (a) wells. A round of water levels will be collected at all IAGS wells and selected IRP wells. Groundwater sampling will continue for the Phase I wells.