WEEKLY PROGRESS UPDATE
FOR JUNE 28-JULY 2, 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 for June 28 to July 2, 1999.

1. SUMMARY OF ACTIONS TAKEN

Drilling was commenced on MW-63 during this reporting period. Total depth was 215 ft below ground surface, and depth below water table was 73 feet, at the end of the week. Samples collected during the reporting period are summarized in Table 1. Profile samples were collected from MW-63 and from one IRP drive point boring (DP-2) in the Raccoon Lane Investigation.

The Guard, EPA, and MADEP had a meeting on July 1 to discuss technical issues, including the following:

- It was noted that several corrections are underway to Tech Memo 99-1 describing explosive results for the KD and U Ranges. These changes will address some confusion regarding compass direction of the subsamples in the grid, and some detections that were not included in Table 3 of the memo. A new version of the memo will be prepared for next week's meeting.

- A handout was provided containing results for all analytes for the KD and U Range soil samples. These data are not yet validated. Ogden will prepare concentration maps for the detections that are similar to the maps provided in Volume 2 of the draft CWR. Also, a tech memo will be prepared summarizing the results in a format similar to the CWR. Ogden asked for clarification as to whether the preliminary background concentrations that appear in the draft CWR should be used for data evaluation. EPA indicated that they would review this issue and provide guidance.

  EPA questioned some of the explosive concentrations in the non-validated data table, which did not appear to agree with results presented previously (handout at 6/3 meeting). After the meeting, Ogden determined that there were several reasons for the discrepancies. The rush explosive data received by Ogden by fax is entered into the database by hand. Then, when electronic data are received by Ogden, they are substituted for the hand-entered data. The previous results were from the hand-entered data, and the current summary was from the electronic deliverable. In one instance the preliminary data were entered incorrectly. In another instance the lab faxed data which had not been properly adjusted for a dilution. In many instances the preliminary results were rounded to two significant figures in the final deliverable, which is appropriate based on the lab reporting procedures. In all cases the table provided at the 7/1 meeting was correct and replaces the previous data.

- There was a discussion of EPA comments (dated 6/8/99) on the draft Response Plan for Demolition Area 1 (dated 6/3/99). The Guard obtained clarification regarding EPA comments on relocating soil sampling grids and modification of Figures 1 and 2. Additional grids will be located at a crater and along a roadway on the southeast side of the topographic depression. Figure 1 will show estimated particle backtracks from detections at MW-34 and -31. Figure 2 will be produced as two separate figures, one showing the profile data and one showing the monitoring well data. The well data figure will show results of all sampling rounds. Both figures will show estimated particle backtracks from detections at MW-34 and -31.

- A 6-page handout was provided summarizing preliminary results for the Demo Area 1 deep soil samples. The table indicates no detections of explosives in these samples. There was a brief discussion of how unsaturated zone modeling might be used to help evaluate the soil and groundwater results. The Guard will provide a proposal regarding the type of modeling to be performed. EPA noted that they are performing some modeling for the KD/U Range data.

  After the meeting Ogden determined that the summary of preliminary deep soil results was incorrect for several samples. The errors occurred due to incorrect data entered in the "FLAG" field during manual data entry of rush explosive results received by fax. RDX was detected in boring B-6 in three sequential samples between 30 and 36 feet bgs (621-148 ug/kg), and HMX was detected in boring B-6 at 22-24 feet bgs (3453 ug/kg). A revised table will be provided for next week's meeting.

- A handout was provided containing results for all analytes for the J-3 Wetland soil and sediment samples. These data are not yet validated. Ogden will prepare concentration maps for the detections that are similar to the maps provided in Volume 2 of the draft CWR. Also, a tech memo will be prepared summarizing the results in a format similar to the CWR. The Guard will have the Post Biologist and LTC Fitzpatrick examine the vegetation in the J-3 Wetland for signs of stress or discoloration. Ogden is working on the access issue.

- A handout was provided containing results for all analytes for the Brick-lined pit soil samples. These data are validated. Ogden will prepare a tech memo summarizing the results.

- EPA asked for an update on sampling the on-Post supply wells; these will be sampled during the week of July 5 with or without Textron wells included. Ogden is also coordinating with Sandwich for explosive splits on their next supply well sampling round. [After the meeting it was determined that this is likely during the week of July 12.] EPA also asked if the IAGS Office could obtain the list of OB/OD sites that JPO had indicated was available.

- EPA asked that the Guard review the 7/98 SOW against the information in the USACE ASR to determine what is missing, and that this be a topic for discussion next week.

- EPA asked that the Guard provide calculations or information showing how the "safety zones" for UXO were derived. The Guard will begin work on a sampling plan for UXO detonation in the event that this is necessary, in accordance with discussions at the 6/29 meeting in Washington.

- EPA provided information regarding a "Waterloo Sampler" and asked that the Guard review this information for applicability to the IAGS.

- EPA described the following agenda topics for the 7/19/99 IART meeting: Update on Textron; Update on Review Team Grants; NGB Budget; Investigation Update; Munitions Surveys; DU Survey; and review of Szostak draft.

2. SUMMARY OF DATA RECEIVED

There were no new detections of explosives beyond those summarized in previous reports. Detections of other compounds are being reported in the monthly progress reports and updates for the Impact Area Review Team (IART).

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period include the following:

Draft Phase II (a) Field Sampling Plan for Gun and Mortar Positions July 2, 1999

4. SCHEDULED ACTIONS

Scheduled actions for the week of July 5 include continued drilling of MW-63, collect split samples from IRP for DP-11 (Raccoon Lane Investigation), commence road building for MW-60 (KD Range), and commence the sampling of water supply wells.

TABLE 1
SAMPLING PROGRESS
6/28-7/2

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED
G63DAE	G63DAE	7/1/1999	FIELDQC	0	0
OT-Y013701	FIELDQC	6/28/1999	FIELDQC	0	0
G63DAA	MW-63	7/1/1999	PROFILE	150	155
G63DCA	MW-63	7/1/1999	PROFILE	170	175
G63DDA	MW-63	7/1/1999	PROFILE	180	185
G63DEA	MW-63	7/1/1999	PROFILE	190	195
OT-Y013201	DP-2	6/28/1999	PROFILE	35	40
OT-Y013207	DP-2	6/28/1999	PROFILE	45	50
OT-Y013303	DP-2	6/28/1999	PROFILE	55	60
OT-Y013307	DP-2	6/28/1999	PROFILE	65	70
OT-Y013307D	DP-2	6/28/1999	PROFILE	75	80
OT-Y013403	DP-2	6/28/1999	PROFILE	75	80
OT-Y013501	DP-2	6/28/1999	PROFILE	85	90

Profiling methods include: Volatiles and Explosives
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs for profile and soil boring, and feet below water table for groundwater
SED = Sample End Depth, measured in feet bgs for profile and soil boring, and feet below water table for groundwater