MONTHLY PROGRESS REPORT #17
FOR AUGUST 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 August 1 to August 31, 1998. Scheduled actions are for the six-week period ending October 14, 1998.

1. SUMMARY OF ACTIONS TAKEN

Reports and Workplans

The Executive Summary for the Draft Completion of Work Report was completed and submitted to the original recipients of the report. The Workplan for Completion of Phase I Activities was completed and submitted to the Review Team.

Sampling

The positions and elevations of new monitoring well nests at MW-31, MW-32, and MW-33 were surveyed.

With the assistance of EOD personnel from the 102nd Fighter Wing, a composite soil sample was collected from soil along the open side of the steel-sided pit. This sample was collected from approximately four inches below the level of the steel bottom, immediately adjacent to the bottom edge. This sample was designed to assess the impacts of any stormwater leaching through the contents of the pit (which have since been removed and covered with plastic) and entering the surrounding soils. The sample was submitted for analysis of explosives and metals.

Analytical Results

Data deliverables were received from ITS (the laboratory contractor) for Sample Delivery Groups (SDGs) 91-92 in August.

Validation

Ogden completed validation of data from SDGs 75, 77, 79, 81-86, 88, and 89.

Meetings

Additional response actions for Demo Area 1 were discussed with USEPA and MADEP during the month.

2. SUMMARY OF DATA RECEIVED

The data validated during the month are presented in an attachment to this progress report. The attachment includes a list of qualifier codes to explain the validation results.

The validated results include samples from four groundwater monitoring wells analyzed for semivolatile organic compounds (SVOC), profile results from MW-31 analyzed for explosives, and samples from six other monitoring wells analyzed for explosives. Detected compounds and concentration ranges for the monitoring well samples are summarized in Table 1, and described below.

The groundwater samples analyzed for SVOC were collected from MW-17D, MW-20S, LRWS 4-1, and Bourne 97-3, including several duplicates, in May 1998. These four wells had the highest measured concentrations of bis (2-ethylhexyl) phthalate (BEHP), a typical laboratory contaminant, during the first round of sampling. No BEHP or any other SVOC was detected in the four wells from this subsequent round of sampling. Preliminary (nonvalidated) results for this subsequent round of sampling were included in the Draft Completion of Work Report.

The monitoring wells 90WT0006, 90WT0019, 90WT0034, 90WT0041, 90MW0003, and the J water supply well were sampled for explosives in June 1998. The first five wells are located in the FS-12 area upgradient and downgradient from 90WT0013, which had a detection of explosives. No explosives were detected in these FS-12 wells or in the J well sample. Preliminary (nonvalidated) results for these wells were included in the Draft Completion of Work Report.

The groundwater profile results for MW-31 are included in the attached data. RDX, HMX, and 2,6-DNT were the compounds detected in these samples, with the highest concentrations located 30-40 feet below the water table.

The validated soil results are for samples collected from several areas in June and July 1998 to complete sampling for volatile organic compounds (VOC) at the 18-24 inch depth interval. These samples at about 100 grids had not been collected earlier due to misinterpretation of workplan requirements. The samples were from grids where there was no indication of VOC at 18-24 inches based on earlier flame ionization detector readings. Sample results are summarized in Table 2. Acetone was detected in approximately 10 percent of the samples, at concentrations from 3 to 19 ug/kg. Toluene was detected in approximately 4 percent of the samples, at

concentrations from 1 to 3 ug/kg. Trichloroethene and benzene were each detected in one sample (<1 percent), at 1 ug/kg. Results for these samples are similar to the results for the other VOC soil samples, described in the Draft Completion of Work Report.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period included the following:

Weekly Progress Update (July 24 to July 30)	August 3, 1998
Weekly Progress Update (July 31 to August 6)	August 10, 1998
Monthly Progress Report #16 for July 1998	August 10, 1998
Weekly Progress Update (August 7 to August 14)	August 18, 1998
Workplan for Completion of Phase I Activities	August 21, 1998
Weekly Progress Update (August 14 to August 21)	August 21, 1998
Weekly Progress Update (August 21 to August 27)	August 31, 1998

4. SCHEDULED ACTIONS

Actions for the next six weeks will focus on revising the Draft Completion of Work Report based on comments received from the stakeholders, and expected soon from EPA. Figure 1 provides a Gantt chart based on the Final Action Plan, updated to reflect progress and proposed work. A meeting of the Impact Area Groundwater Study Review Team has been scheduled for September 17, 1998. The workplan for Phase II(a) activities will be completed by September 11, and the workplan for completion of Phase II(b) activities will be completed by September 30.