

**WEEKLY PROGRESS UPDATE  
FOR JUNE 14-JUNE 18, 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 14 to June 18, 1999.

**1. SUMMARY OF ACTIONS TAKEN**

No drilling was performed during this reporting period. Groundwater samples were collected from the three IRP wells that had obstructions by using a small diameter pump and from two other IRP wells and one Guard well. Samples collected during the reporting period are summarized in Table 1. This concludes the first round of sampling for the Supplemental IRP wells and the second round of sampling for the "Phase I" wells.

The Guard, EPA, and MADEP had a meeting on June 17 to discuss technical issues, including the following:

- A table was provided summarizing the explosives results for 15 residential wells in the Raccoon Lane/ Arnold Road/ Old Snake Pond Road neighborhood. There were no detections of explosives in these samples. Ogden will check on whether any additional sample results remain to be reported for this area. [After the meeting it was determined that AFCEE is waiting for two summer residents to return to the area, before sampling is complete. AFCEE will split samples with the Guard for these residents when available.]
- A table was provided summarizing the sampling status for the 47 Supplemental IRP wells. Two wells in the USCG CS-1 area have bent risers and Ogden is attempting to sample these with a small diameter pump. One of these wells was sampled 6/16. [After the meeting it was determined that the second bent well was sampled 6/17.] One well in the FS-12 area was found to be destroyed, another could not be located, and a third is obstructed. [After the meeting it was determined that the obstructed well was sampled with the small diameter pump.] Ogden will check on whether a split sample was obtained from AFCEE for SMR-1. [After the meeting it was determined that AFCEE is waiting to sample this well until an access issue can be addressed. AFCEE will split the sample with the Guard when available.] Samples have been collected and analyzed for the three other wells installed by Sandwich on Post.
- AFCEE's Raccoon Lane Investigation was discussed regarding drive point locations where split samples for explosive analysis will be collected. It was agreed that if drive point #5 is relocated as proposed by EPA, then the Guard will obtain split samples from this location rather than drive point #4. Ogden will contact AFCEE for an update on this activity. [After the meeting it was determined that drive point #5 will not be relocated. Therefore, the Guard will request a split sample from drive point #4 instead.]
- A handout (IAGS Tech Memo 99-1) was provided summarizing preliminary explosive results for soil samples from the KD and U Ranges. Concentrations were discussed in terms of variations with location and depth, sample variability, and comparison of composite and discrete sample results. The memo includes recommendations regarding monitoring well placement and additional soil sampling. Results for other analytical parameters for the KD and U Range soil samples are expected to be

available within a few weeks. Complete explosive results for these samples were provided to the technical team in a table dated 6/2/99, that was provided at the 6/3/99 technical team meeting.

It was also mentioned that several nitroglycerin results for the KD Range exceed the reportable concentrations under the Massachusetts Contingency Plan (MCP). MADEP will review this issue and determine if the site is "adequately regulated" under the SDWA Order. Also, the Guard will review this issue with respect to the Range Rule.

- Funding priorities for monitoring well installations were discussed. It was agreed to continue far field well installations with MW-63. The Guard will mobilize to begin installation of this cluster ASAP, hopefully within one week if equipment is available. Locations of the Bourne far field wells will be finalized so that these well installations can continue after MW-63 is complete. Monitoring wells at KD Range will be started concurrent with the far field wells, as soon as UXO clearance and road building can be completed (approximately three weeks). Scoping of Demo 1 wells will be expedited so that these can be installed after the KD Range wells. One or more wells at the gun and mortar positions may also be installed in this mobilization. EPA expressed concern with the funding available, which is currently insufficient for all planned groundwater investigations. EPA will follow-up with NGB on this issue.
- Locations of Bourne water supply wells and sentinel wells were discussed. It was agreed to shift quarterly explosive monitoring from sentinel wells 97-2 and 97-3 to supply wells PS-6 and PS-4, because the sentinel wells are not well positioned in the supply well ZOCs. Ogden will contact Bourne to arrange the sampling.
- EPA requested that the Guard provide an update on the schedule for removal of munitions debris at the pile on Turpentine Road north of Tank Alley. EPA asked that time be set aside to discuss plume delineation at the next weekly technical meeting. EPA suggested that the Guard address the need for a monitoring well upgradient from 90MW0022 in the Guard's comments on Textron's workplan for closure of the J-3 Range.

## 2. SUMMARY OF DATA RECEIVED

There were no new detections of explosives in the non-validated data received during the reporting period. 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:

IART Groundwater Detection Maps and Tables (June 14, 1999)	June 16, 1999
IAGS Technical Team Memorandum 99-1	June 17, 1999
Weekly Progress Report (June 7 – June 11)	June 17, 1999

## 4. SCHEDULED ACTIONS

Scheduled actions for the week of June 21 include the groundwater sampling of PAVE PAWS wells, road building and drilling of MW-63, and collection of split samples from AFCEE drilling in the Raccoon Lane Investigation.

TABLE 1  
 SAMPLING PROGRESS  
 6/14-6/18

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED
03MW0707E	FIELDQC	6/14/1999	FIELDQC	0	0
03MW0707T	FIELDQC	6/14/1999	FIELDQC	0	0
15MW0001E	FIELDQC	6/17/1999	FIELDQC	0	0
15MW0001T	FIELDQC	6/17/1999	FIELDQC	0	0
15MW0007T	FIELDQC	6/16/1999	FIELDQC	0	0
27MW702E	FIELDQC	6/15/1999	FIELDQC	0	0
27MW702T	FIELDQC	6/15/1999	FIELDQC	0	0
90LWA0007T	FIELDQC	6/18/1999	FIELDQC	0	0
03MW0707	03MW0707	6/14/1999	GROUNDWATER	4	14
15MW0001	15MW0001	6/17/1999	GROUNDWATER	0	10
15MW0007	15MW0007	6/16/1999	GROUNDWATER	43	53
27MW702	27MW702	6/15/1999	GROUNDWATER	0	10
90LWA0007	90LWA0007	6/18/1999	GROUNDWATER	0	10
W30SSA	MW-30	6/14/1999	GROUNDWATER	0	10

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