

**WEEKLY PROGRESS UPDATE
FOR JUNE 20-27, 1997**

**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 June 20 to 27, 1997.

1. SUMMARY OF ACTIONS TAKEN

Ogden, CMS Environmental (the UXO contractor), and T.F. Moran (the UXO contractor's surveyor) continued work on the site during the week of 6/23. UXO avoidance was continued from 6/23 to 6/24. A new drilling location (200 foot square) on the west side of Area 2 was surveyed and 880 magnetic anomalies were identified. On 6/25 field crews switched to UXO removal. This scope of work includes investigation and removal (if possible) of UXO to a depth of two feet. Immovable UXO that must be blown-in-place will be identified to the EOD detachment. Wheelock Road was cleared from the entrance to the Impact Area east to Turpentine (0.8 miles by 15 feet), and a drilling decontamination pad (200 foot square) at the corner of Wheelock and Turpentine was cleared, with no UXO at either location. Turpentine Road was cleared from Wheelock to Area 1 (0.7 miles by 15 feet) with a vehicle turnaround at Area 1 (75 feet by 50 feet), and four UXO were identified (two 60mm mortar HE, two 81mm mortar HE).

A meeting with EPA, MADEP, and other stakeholders was held on June 26 at MADEP's Southeast Region Office. Comments on the Draft Final Action Plan were discussed and resolved. Sampling and analytical protocols and monitoring well locations were modified from those discussed at the June 18 meeting. A summary of issues discussed is attached to this progress update report.

Ogden continued preparation of the draft Range Use History Report and the draft Chemical Composition of Munitions Report for submittal to EPA on July 3, 1997. Another interview was conducted, and several interviews were scheduled for June 30. A summary of revisions to these reports that are underway was faxed to EPA on June 23, 1997.

A synoptic round of water level measurements was performed on June 27 for 30 monitoring wells including LRWS, USGS, and IRP wells (CS-18, CS-19, FS-12, CS-10, and FS-14).

CONFIDENTIALITY NOTE

The documents accompanying this fax contain information which is confidential, and may be legally privileged. The information is intended only for the individual or entity named on this cover letter. If you are not the intended recipient, be aware that any disclosure, copying, or distribution of this information is prohibited. If you have received this fax in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

2. SUMMARY OF DATA RECEIVED

Daily reports of UXO survey results were received by Ogden on June 27 and are summarized in section 1 above.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period included the following:

Minutes/Action Items from 6/18 Meeting of NGB & EPA	June 20, 1997
Weekly Progress Update for June 23-27	June 28, 1997

4. SCHEDULED ACTIONS

UXO Surveys will continue during the week of June 30 with UXO removal from Sandwich Road, the soil staging area at Five Corners, the northern part of Turpentine Road, and drilling locations for well numbers 1 and 2. Archive Search information now suggests that the potential for a radiation hazard would be at the former J-2 range, not at Areas 4 and 5 (J-1 range). The only investigation currently scheduled for the J-2 range area is installation of a shallow well (#29). A contract modification to allow a radiological survey to be performed in this area is currently underway.

Archive search interviews and data collection will continue during the week of June 30, with submittal of draft documents on July 3, 1997. No meetings are scheduled for the week of June 30. Drilling crews are scheduled to mobilize to the site on July 7, and drilling to begin on July 8, 1997.

CONFIDENTIALITY NOTE

The documents accompanying this fax contain information which is confidential, and may be legally privileged. The information is intended only for the individual or entity named on this cover letter. If you are not the intended recipient, be aware that any disclosure, copying, or distribution of this information is prohibited. If you have received this fax in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

SUMMARY NOTES FOR THE 6/26 MEETING OF NGB AND EPA

EPA wants the UXO policy to have a public notification procedure, and this policy needs to be provided to EPA ASAP (EPA thought they would get it 6/20). EPA indicated that no further approval is needed from EPA in order to blow UXO detected during the investigation. NGB asked for something from EPA in writing on bringing non-military UXO to MMR for disposal, which is estimated to occur 75 times/year. EPA asked for something in writing from EOD on what they handle. NGB will have EOD write up the request describing procedure, proposed quantity, where, and submit to IACRT by 7/10.

Ogden will coordinate work schedule with Don Consolmagno to have the Impact Area accessible for the IACRT tour on 7/10. Primary targets of the tour are vegetation changes, Textron, moving target range, gas chamber, tank range (same as moving target range). Want to go up Turpentine Road to Area 1 ("Valley of Death"). Ogden to check/avoid conflicts with UXO and drilling operations. Clarified that possible DU was on J-2 range used by Hesse, not Textron range (J-3) or Areas 4 and 5 (J-1).

There was a discussion of the analysis of surface soil samples. NGB will modify the work plan to analyze 18-24 inch composites for explosives and inorganics regardless of results for 0-6 inch composites, and analyze all 0-6 inch composites for other analytes. The criteria for deciding whether to analyze deeper samples for all analytes will be detectable levels on the 0-6 inch samples, because background and risk assessment criteria will not be available by the time sampling begins. NGB needs to propose background sampling.

There was a discussion of analysis by colorimetric methods versus Method 8330. It was agreed that all samples from the Impact Zone that have detects by colorimetric will be analyzed by 8330. EPA asked for performance objectives on the colorimetric/8330 correlation before the sampling, with subsequent evaluation and comparison to objectives. NGB discussed the need to have an approved Response Matrix to determine follow-up actions before sampling begins.

EPA asked for the compositing procedure to be identified in the Action Plan.

DEP requested including a mixed-use mortar/gun position for sampling in place of one of the high-use mortar positions.

CONFIDENTIALITY NOTE

The documents accompanying this fax contain information which is confidential, and may be legally privileged. The information is intended only for the individual or entity named on this cover letter. If you are not the intended recipient, be aware that any disclosure, copying, or distribution of this information is prohibited. If you have received this fax in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

A draft table summarizing unique site and well numbers was discussed.

The history of the J-range uses was discussed.

EPA requires a 10-foot sampling interval for groundwater screening in the saturated zone. NGB will consider this requirement in the determination of drilling methods.

The Action Plan needs clarification regarding sampling at the various areas.

There was a discussion of individual well locations. Well #27 should be at the toe of the Site 4 mound on the downgradient side. Agreed to swap deep well from #22 to #15. Agreed to swap deep and intermediate wells from #9 to #10, and move #9 to south side of Sandwich Road (in the middle of zone). Move #10 about 1500 feet to the west (USGS has location plotted). USGS to coordinate with Ogden on checking out the well positions. Well #8 should be downgradient of Burn 7. Move well #7 southwest to Burn 6. USGS and Ogden to check whether GPS survey method is sufficient for vertical control at the top of the mound (wells #13, #28, #29, #30). Ogden to schedule UXO clearance of well #15, #11 later to give USGS time to check on these zones of contribution.

EPA requires the first round of groundwater samples from screened wells to be analyzed for all target compounds. EPA will provide additional clarification of VOC screening requirements tomorrow.

EPA is requesting that "extra" far field wells (4 more locations per recharge zone) be installed during this mobilization. NGB indicated that these well locations would be premature without refining the model based on the data from the initial studies. CCC indicated that timing is crucial due to need to commit to water resources for proposed projects (e.g., the jail) and due to community concern.

There was a technical discussion concerning the variability of flow paths, vertically and horizontally. NGB indicated that the flow paths could vary considerably in vertical extent, which is the reason for getting data from the current studies before additional wells are located. EPA supports the need to do this monitoring sooner rather than later. EPA will take information back from these discussions and come out with a final position.

CONFIDENTIALITY NOTE

The documents accompanying this fax contain information which is confidential, and may be legally privileged. The information is intended only for the individual or entity named on this cover letter. If you are not the intended recipient, be aware that any disclosure, copying, or distribution of this information is prohibited. If you have received this fax in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

EPA would like the ponds discussed last week to be sampled for soil or sediment if there is no surface water. NGB will determine if these are currently dry. EPA wants the “first flush” procedure in DEP’s comment to be followed, if there is any runoff.

NGB will include deep wells where available for the water table measurements to occur tomorrow.

NGB will use the USGS bedrock map to verify that refusal is bedrock. EPA has a procedure to verify that refusal is bedrock.

NGB verified that response plans for areas of interest identified from the Archive Search will be developed outside the Action Plan.

EPA would like the sonic cores to be handled with one side intact for viewing. EPA will advise NGB whether a library is needed for cores.

CONFIDENTIALITY NOTE

The documents accompanying this fax contain information which is confidential, and may be legally privileged. The information is intended only for the individual or entity named on this cover letter. If you are not the intended recipient, be aware that any disclosure, copying, or distribution of this information is prohibited. If you have received this fax in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.