

**WEEKLY PROGRESS UPDATE
FOR JULY 4-10, 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 July 4 to July 10, 1997.

1. SUMMARY OF ACTIONS TAKEN

No field work was performed on July 4 due to the holiday. Ogden and CMS Environmental (the UXO contractor) continued UXO Survey work on the site during the week of July 7. A safety separation distance of 1200 feet is being used between CMS personnel engaged in UXO investigation/removal and other personnel in the Impact Area. The following areas have been cleared by UXO removal to date:

- ▶ Wheelock Road, from the entrance to the Impact Area east to Chadwick Road.
- ▶ A drilling decontamination pad at the corner of Wheelock and Turpentine.
- ▶ Turpentine Road, from Wheelock Road to Area 3 ("Site 1 Target Area")
- ▶ Drilling location for MW-1 with a vehicle turnaround at Area 3.
- ▶ Chadwick Road, from Turpentine Road north to Barlow Road except for a small section near the J-2 range (intersection of Chadwick and Barlow).
- ▶ the east end of Tank Alley, from Chadwick to Area 4 ("Mounds").
- ▶ Barlow Road, from Chadwick Road north to Wood Road.
- ▶ Wood Road, from Barlow Road west to Area 1 ("Valley of Death").
- ▶ Spruce Swamp Road, from Wheelock Road to Pocasset-Sandwich Road.
- ▶ Pocasset-Sandwich Road, from Spruce Swamp Road north to Five Corners.
- ▶ Knot Hollow Road, from Five Corners north to Jefferson Road.
- ▶ portions of Jefferson Road, east and west from Knot Hollow Road.
- ▶ Gravel staging area at Five Corners.
- ▶ Turpentine Road, from Five Corners south to Area 2 ("Site 3/Target Area").

Clearance activities have also been completed at four drilling locations in the buffer zone (locations not available), and are continuing at Area 2. Area 2 has 16 anomalies to date that are greater than two feet below grade, the only area where such deep anomalies have occurred. The remainder of Area 2 will be cleared to two feet before deciding whether to shift the drilling location, bring in heavy equipment for deeper clearance, build up the drilling location with fill, or some combination of these measures. In addition, the following areas were flagged for UXO avoidance without clearing (prior to June 25):

- Drilling location for MW-3 at Area 1.
- Access road from Wood Road to MW-3 drilling location.
- Area 8 (Succonsette Pond).
- Access path from Spruce Swamp Road to Area 8.
- Tank Alley from Turpentine Road to near Area 4 ("Mounds")

Some flags have been removed or have fallen over around Succonsette Pond. Many fresh deer tracks are visible around the pond. Portions of this area may have to be reflagged or cleared prior to

sampling.

Ogden and ETA shifted resources from preparation of the Archive Search reports to completion of the Action Plan, in accordance with a July 1 telephone call with EPA. The text of the Action Plan was provided to EPA, MADEP, and other stakeholders during a meeting of the Impact Area Groundwater Study Review Team on July 10. Four of the Field Sampling Plans that are referenced in the Action Plan were also provided at this meeting. The Draft Response Matrix that had been submitted on May 30 was updated to reflect the most recent changes to the Action Plan, and was also provided at the July 10 meeting. The meeting was preceded by a tour of the Impact Area, Moving Target Range, NBC Site, and J-3 Range.

2. SUMMARY OF DATA RECEIVED

Daily reports of UXO survey results were received by Ogden on July 11 and are summarized in section 1 above. Table 1 provides a summary of potential UXO discovered to date.

3. DELIVERABLES SUBMITTED

Deliverables submitted during the reporting period included the following:

Final Action Plan (Volume I - Text)	July 10, 1997
Draft Field Sampling Plan for Area 2	July 10, 1997
Draft Field Sampling Plan for Area 3	July 10, 1997
Draft Field Sampling Plan for Rotosonic Drilling Investigation	July 10, 1997
Draft Field Sampling Plan for Barber Rig Drilling Investigation	July 10, 1997
Draft Response Matrix (Version 1.0)	July 10, 1997
Monthly Progress Report No. 3 (June 1997)	July 10, 1997

4. SCHEDULED ACTIONS

UXO Surveys will continue during the week of July 14 with UXO removal from the drilling location for well number 2 and from perimeter roads and drilling locations. Road building will be initiated on July 14 in order to allow Barber drilling rig access to well numbers 1 and 2, and auger drilling rig access to the locations that require downhole UXO surveys. Drilling rigs are expected to begin operations on July 16 depending upon the progress of road building and EPA approval of Draft Field Sampling Plans for Area 3 and for Barber Rig Drilling Investigation. The Draft Range Use History Report and Draft Chemical Composition of Munitions Report will be submitted to EPA on July 16. Preparation of remaining Field Sampling Plans will continue during the week of July 14.

Table 1
Potential Explosive Ordnance Discovery
Through July 10, 1997

Location	Object Found	# found
Sandwich Rd., off Spruce Swamp	81mm mortar practice	3
Spruce Swamp Rd., off Wheelock Rd.	2" HE mortar	5
Turpentine Rd., north of Tank Alley - Area 3	105mm HE	2
MW-1 (Area 3)	155mm projectile TNG	4
Sandwich Rd., off Spruce Swamp Rd.	105mm projectile WP 6" projectile shrapnel	1 1
Wood Rd.	4.2" mortar illumination	1
Turpentine Rd.	81mm mortar HE	1
Turpentine Rd.	60mm mortar HE	2
Turnaround Area at MW-1 (Area 3)	81mm mortar HE	1
Demo Range 1	30mm projectile HE 3.5" rocket HEAT	3 1
Succonsette Pond, Area 8	2.36" rocket HEAT	1
Spruce Swamp Rd.	60mm mortar HE	1
MW-26 (Area 2)	155mm projectile HE	1

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