

**WEEKLY PROGRESS UPDATE
FOR DECEMBER 30, 2002 – JANUARY 3, 2003**

**EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 & 1-2000-0014
MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA**

The following summary of progress is for the period from December 30, 2002 through January 3, 2003.

1. SUMMARY OF ACTIONS TAKEN

No drilling was conducted the week of December 30 – January 3.

Samples collected during the reporting period are summarized in Table 2. Groundwater samples were collected from Bourne water supply and monitoring wells and as part of the December Long Term Groundwater monitoring round.

The IAGWSP Technical Team meeting was not held due to the New Year's holiday.

2. SUMMARY OF DATA RECEIVED

Rush data are summarized in Table 3. These data are for analyses that are performed on a fast turnaround time, typically 1-5 days. Explosive analyses for monitoring wells, and explosive and volatile organic compound (VOC) analyses for groundwater profile samples, are conducted in this timeframe, as well as any analyses pursuant to a special request. The rush data are not validated, but are provided as an indication of the most recent preliminary results. Table 3 summarizes only detects, and does not show samples with non-detects.

The status of the explosive detections with respect to confirmation using Photo Diode Array (PDA) spectra is indicated in Table 3. PDA is a procedure that has been implemented for the explosive analysis, to reduce the likelihood of false positive identifications. Where the PDA status is "YES" in Table 3, the detected compound is verified as properly identified. Where the status is "NO", the identification of an explosive has been determined to be a false positive. Where the status is blank, PDA has not yet been used to evaluate the detection, or PDA is not applicable because the analyte is a VOC or perchlorate. Most explosive detections verified by PDA are confirmed to be present upon completion of validation. Table 3 includes the following detections:

Table 3 includes detections from the following areas:

Bourne Area and upgradient

- Groundwater samples from 1-88A, 02-13M2, and MW-226M2 had detections of perchlorate. The results were similar to the previous sampling rounds.
- Groundwater samples from 02-12M1 and duplicate had a detection of chloroform.

DELIVERABLES SUBMITTED

Weekly Progress Update for December 16 – December 20, 2002	12/30/2002
Weekly Progress Update for December 23 – December 27, 2003	01/02/2003

3. SCHEDULED ACTIONS

Scheduled actions for the week of January 6 include complete well installation of MW-253 (J1P-18), complete drilling of MW-252 (D1P-18) and MW-254 (KP-2), and commence drilling of D1P-19. Vegetation clearance will commence at WS4P-4. Groundwater sampling at the Bourne water supply and monitoring wells and as part of the December LTGM round will continue.

4. SUMMARY OF ACTIVITIES FOR DEMO 1

Additional delineation of the downgradient portion of the groundwater plume is being conducted prior to finalizing the Feasibility Study for the Groundwater Operable Unit and as the Interim Action for groundwater remediation is being designed. Pumping and treating groundwater at the toe of the Demo 1 plume and at Frank Perkins Road has been selected as an Interim Action to address the Demo 1 Area Groundwater Operable Unit. A Rapid Response Action/Release Abatement Measure (RRA/RAM) is also being planned to address soil contamination at Demo 1. Drilling at D1P-18 will continue next week.

**TABLE 2
SAMPLING PROGRESS
12/29/2002 - 01/04/2003**

OGDEN_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
4036000-06G-T	FIELDQC	01/03/2003	FIELDQC	0	0		
90MW0071-E	FIELDQC	01/02/2003	FIELDQC	0	0		
OW00-1D-E	FIELDQC	12/31/2002	FIELDQC	0	0		
TW1-88A-E	FIELDQC	12/30/2002	FIELDQC	0	0		
W02-12M1T	FIELDQC	12/30/2002	FIELDQC	0	0		
4036000-01G-A	4036000-01G	12/31/2002	GROUNDWATER			6	12
4036000-03G-A	4036000-03G	12/31/2002	GROUNDWATER	50	60	6	12
4036000-04G-A	4036000-04G	12/31/2002	GROUNDWATER			6	12
4036000-06G-A	4036000-06G	12/31/2002	GROUNDWATER			6	12
90MP0059A-A	90MP0059	01/03/2003	GROUNDWATER	145.89	148.39	139	142
90MP0059B-A	90MP0059	01/03/2003	GROUNDWATER	116.39	118.89	110	113
90MP0059C-A	90MP0059	01/03/2003	GROUNDWATER	91.89	94.39	85	88
90MP0060D-A	90MP0060	01/03/2003	GROUNDWATER	102.02	104.52		
90MP0060D-D	90MP0060	01/03/2003	GROUNDWATER	102.02	104.52		
90MW0003-A	90MW0003	12/31/2002	GROUNDWATER	144	149	52.11	57.11
90MW0005-A	90MW0005	12/31/2002	GROUNDWATER	184	189	89.03	94.03
90MW0054-A	90MW0054	12/30/2002	GROUNDWATER	107	112	91.83	96.83
90MW0070-A	90MW0070	01/02/2003	GROUNDWATER	132.5	137.5	78	83
90MW0071-A	90MW0071	01/02/2003	GROUNDWATER	150	155	82	87
OW00-1D-A	00-1D	12/31/2002	GROUNDWATER	91	97	48.3	54.3
TW1-88A-A	1-88A	12/30/2002	GROUNDWATER		102.9	0	67.4
W02-12M1A	02-12	12/30/2002	GROUNDWATER	109	119	58.35	68.35
W02-12M1D	02-12	12/30/2002	GROUNDWATER	109	119	58.35	68.35
W02-12M2A	02-12	12/30/2002	GROUNDWATER	94	104	43.21	53.21
W02-12M3A	02-12	12/30/2002	GROUNDWATER	79	89	28.22	38.22
W02-13M1A	02-13	12/30/2002	GROUNDWATER	98	108	58.33	68.33
W02-13M2A	02-13	12/30/2002	GROUNDWATER	83	93	44.2	54.2
W02-13M3A	02-13	12/30/2002	GROUNDWATER	68	78	28.3	38.3
W188M1A	MW-188	01/02/2003	GROUNDWATER	155	165	41.1	51.1
W188SSA	MW-188	01/02/2003	GROUNDWATER	109	119	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
SED = Sample End Depth, measured in feet bgs
BWTS = Depth below water table, start depth, measured in feet
BWTE = Depth below water table, end depth, measured in feet

**TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 12/06/02 - 01/04/02**

OGDEN ID	LOCID OR WELL	SAMPLED	SAMP TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN ANALYTE	PDA
TW1-88A-A	1-88A	12/24/2002	GROUNDWATER		102.9	0	67.4	E314.0	PERCHLORATE	
W02-13M2A	02-13	12/24/2002	GROUNDWATER	83	93	44.2	54.2	E314.0	PERCHLORATE	
W226M2A	MW-226	12/19/2002	GROUNDWATER	175	185	61.7	71.7	E314.0	PERCHLORATE	
W02-12M1A	02-12	12/30/2002	GROUNDWATER	109	119	58.35	68.35	OC21V	CHLOROFORM	
W02-12M1D	02-12	12/30/2002	GROUNDWATER	109	119	58.35	68.35	OC21V	CHLOROFORM	

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BELOW GROUND SURFACE

SED = SAMPLE COLLECTION END DEPTH IN FEET BELOW GROUND SURFACE

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET

BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed

*** = Interference in sample**

+ = PDAs are not good matches