INTERIM MONTHLY REPORT
FOR APRIL 1 – APRIL 16, 2004

EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 and 1-2000-0014

MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA

The following summary of progress is for the period from April 1 through April 16, 2004.

1. SUMMARY OF REMEDIATION ACTIONS

The following is a description of remediation actions taken as part of or in preparation for Rapid Response Action (RRA) Plans for various Areas of Concern at Camp Edwards through April 16, 2004. A Rapid Response Action is an interim action that may be conducted prior to risk assessments or remedial investigations to address a known, ongoing threat to groundwater and/or soil contamination.

Demo Area 1 Groundwater RRA

The Demo Area 1 Groundwater RRA consists of the removal and treatment of contaminated groundwater to control further migration of explosives and perchlorate. An extraction, treatment, and recharge system at Frank Perkins and Pew Road has been designed and includes a single extraction well, an ex-situ treatment process to remove explosives and perchlorate from the groundwater, and paired injection wells to return treated water to the aquifer.

Development of extraction and injection wells for the Groundwater RRA is ongoing. Installation of subsurface piping and well vaults for the RRA Extraction, Treatment and Recharge System was substantially complete on April 2, 2004. Installation of subsurface piping and electrical supply for the Pew Road Extraction, Treatment and Recharge System continues. Construction of the groundwater treatment containers, which will occur at an off-site facility, will begin this month.

Demo Area 1 Soil RRA

The Demo Area 1 Soil RRA consists of the removal of all geophysical anomalies within the perimeter road (7.4 acres) and the removal and thermal treatment of contaminated soil from in and around the Demo 1 kettle hole. The total amount of soil to be removed and treated is approximately 15,000 cubic yards to a maximum depth of 8 feet.

As part of the Soil RRA, excavation of contaminated soil within the Demo 1 depression continues. Approximately 5,800 tons of contaminated soil has been processed as part of preliminary soil treatment activities. Approximately 750 tons of material was processed during the Proof of Performance testing, which was conducted from March 31 through April 2, 2004. Anomaly removal within the Demo 1 depression continues.

Demo Area 2 Soil RRA

The Demo Area 2 Soil RRA consists of the removal and treatment or disposal of contaminated soil that is a potential source of groundwater contamination. Soil will be removed from a man-made berm and a 30-foot area at the center of the Demo 2 site with the total soil removal approximated at 825 tons. Soil will be treated in the Demo 1 Thermal Desorption Unit.

UXO and anomaly removal continues in preparation of soil excavation and other RRA activities.

J-2 Range Soil RRA

The J-2 Range Soil RRA consists of the removal and treatment of soil in five areas within the J-2 Range with the highest concentration of contaminants. Soil will be removed from the Twin Berms Area, Berm 2, FFP-4, Disposal Area 1, and Disposal Area 2, with total removal approximated at 19,039 square feet and 1,186 cubic yards to a maximum depth of 2.5 feet. Soil will be treated in the Demo 1 Thermal Desorption Unit.

UXO and anomaly removal continues in preparation of soil excavation and other RRA activities.

J-3 Range Soil RRA

The J-3 Range Soil RRA consists of the removal and treatment of contaminated soil from three areas within the J-3 Range Demolition Area. Soil will be removed from the Detonation Pit, the Burn Box, and the area north of Target 2, with total soil removal approximated at 4,615 square feet and 461 cubic yards of soil to a maximum depth of 3 feet. Soil will be treated in the Demo 1 Thermal Desorption Unit.

UXO and anomaly removal continues in preparation of soil excavation and other RRA activities.

2. SUMMARY OF ACTIONS TAKEN

Drilling progress as of April 16, 2004 is summarized in Table 1.

Table 1. Drilling progress as of April 16, 2004

Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Depth to Water Table (ft bgs)	Completed Well Screens (ft bgs)
MW-317	Western Boundary (CBP-9)	329	159	157-167; 177-187
MW-318	J-2 Range (J2P-35)	337	121	121-131; 205-215; 305-315
MW-321	J-2 Range (J2P-24)	312	105	156-166; 175-185
MW-322	J-2 Range (J2P-36)	336	119	119-129; 175-185
MW-323	Northwest Corner (NWP-8a)	226	75	73-83; 120-130; 195-205
MW-324	J-2 Range (J2P-23)	310	123	205-215; 235-245
MW-325	L-Range (LP-13)	278	78	
MW-327	J-2 Range (J2P-38)	310	113	
MW-328	L Range (LP-10)	110	100	
MW-329	J-3 Range (J3P-45)	225	25	

bgs = below ground surface

Completed well installation at MW-317 (CBP-9), MW-318 (J2P-35), MW-321 (J2P-24), MW-322 (J2P-36), MW-323 (NWP-8a), and MW-324 (J2P-23); completed drilling at MW-325 (LP-13), MW-327 (J2P-38), and MW-329 (J3P-45); and commenced drilling at MW-328 (LP-10). Well development continued for recently installed wells.

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from 90DP0004, 90DP0007, MW-317, MW-324, MW-327, MW-328, and MW-329. Groundwater samples were collected from Bourne water supply and monitoring wells, residential wells, recently installed wells, Base Co-op supply wells, and as part of the April round of the Draft 2003 Long-Term Groundwater Monitoring Program. Investigation-derived waste (IDW) samples were collected from the Granular Activated Carbon (GAC) treatment system. Samples of well development water were collected from IW-273. Soil samples were collected from grids at Target 23 in the Impact Area. Pre- and post-detonation samples were collected from the J-3 Range. Supplemental soil samples were collected from BIP craters in the U, J-1, and J-2 Ranges.

The following are the notes from the April 15, 2004 Technical Team meeting of the Impact Area Groundwater Study Program office at Camp Edwards:

Participants

Ben Gregson (IAGWSP)	Bill Gallagher (IAGWSP)	Dave Hill (IAGWSP)
Paul Nixon (IAGWSP)	Pam Richardson (IAGWSP)	Todd Borci (EPA)
Meghan Cassidy (EPA)	Jane Dolan (EPA)	Bob Lim (EPA)
Jim Murphy (EPA)	Len Pinaud (MADEP)	Dave Williams (MDPH)
Gina Kaso (ACE)	Frank Fedele (ACE)	Ed Wise (ACE)
Katarzyna Chelkowska (ACE)	Dave Margolis (ACE-phone)	Darrin Smith (ACE)
Scott Michalak (ACE)	Kim Harriz (AMEC)	Mike Goydas (Jacobs)
Lonnie Fallin (Jacobs)	Kevin Hood (UConn/TOSC)	

Punchlist Items

#2 Provide update on access agreement with Schooner Pass Condominium Assoc (ACE) Assoc. may vote on agreement in early April meeting. Property manager has not returned recent phone calls.

#3 Provide status of access agreement with Camp Good News (ACE). Currently Army Corps Real Estate is reviewing the rights of entry/leases. IAGWSP is not being denied access.

#4 Provide status of perchlorate sampling of excavated material piles from J-1 Range Polygons 1&16 (ACE). Sampling was completed. Jane Dolan (EPA) requested a list of all samples collected from the waste piles in the last four weeks

Fieldwork Update

Frank Fedele (ACE) provided an update on the IAGWSP fieldwork.

- As part of AMEC's investigation, well installation was completed at MW-323 (NWP-8a) and MW-317 (CBP-9). Drilling continued at MW-328 (LP-10). Well development was completed at MW-312 (D2P-6), MW-308(CBP-3), MW-320 (NWP-15), and MW-323 (NWP-8a) and continues for IW-273 (IW-D1-3) and MW-316 (BP-6).
- Groundwater sampling at Bourne, LTM and new wells continues. MW-323 will be sampled on 4/19.
- Supplemental BIP sampling continued.
- Central Impact Area: Soil sampling for the Central Impact Area Focused Investigation was completed. Lysimeter installation and sampling at the targets continues. Well pad restoration continued.
- Demo 1 Groundwater ETR: Trenching, piping and vault installation continued for the systems at both Frank Perkins and Pew Roads. Three vaults and 450 feet of piping were installed and pressure tested at Frank Perkins Road. The ITE study at the Demo 1 Pew Road location continues.
- Demo 2: Vegetation removal and UXO clearance continued at the Demo 2 soil berm.

- As part of ECC's investigation, well installation was completed for MW-319 (J2P-29), MW-321 (J2P-24), MW-322 (J2P-36), and MW-318 (J2P-35) and continues at MW-324 (J2P-23) and MW-325 (LP-13). Drilling was completed at MW-329 (J3P-45) and continues at MW-327 (J2P-38).
- UXO clearance and well pad construction was completed at J2P-37, J2P-38, and J1P-24.
- Well development was completed at MW-307 (J2P-28) and MW-319 (J2P-21). Well development commenced at MW-318 (J2P-35).
- In support of the J-3 Range RRA, UXO surface clearance and anomaly removal continued. One suspected burn pit was identified in Grid C6 on 4/07. The burn pit contained four 81mm mortars, 38 thermal batteries, and discolored soil. One suspected burial pit was also uncovered in Grid C6 on 3/26. This pit contained two smoke grenades and broken jars with stained material. A sampling plan will be proposed for these pits and the three other burial areas uncovered previously in grids D6 and D7. All pits were shown on a figure that was distributed at the meeting. BIPs of 6 items (three 40 mm projectiles and three 2.36 inch Rockets) were completed. Results were pending for soil samples collected on 3/22 from the contents of the crushed partial drum. Todd Borci (EPA) requested an email summarizing what has been found in the J-3 Range and what samples have been collected.
- As part of the J-2 Soil RRA, UXO clearance continued on the J-2 Range Road. Two target control pits that had timbers were uncovered and backfilled. Crews commenced laying out excavation limits in order to facilitate UXO clearance and anomaly removal.
- As part of the J-1 Soil RRA, UXO clearance continued along the J-1 Range Road. Three items were identified for BIPs: two 81mm Mortars and a 105mm projectile. One item evoked the Sandwich notification protocol. Mr. Borci requested the Guard revisit the Notification Protocol and assess whether Forestdale School had preferred the BIPs occur during or after vacation. Pam Richardson (IAGWSP) to give a pre-notification call to the Town Administrator and follow-up with formal notification once the BIPs were scheduled.
- At the J-1 Range, soil sampling for VOC and perchlorate analysis was completed at five locations.
- Sorting of scrap from J-2 Range Disposal Area 2 continued.
- BIPs completed in the last three weeks included an 81mm round at J-3 Range, and three items at Demo 1 (40mm grenade, 2,36 inch rocket, 37mm projectile).
- 1212 items are in storage at the CDC bunker, most (1132 items) are 20mm rounds from J-3 Range. Other items are from J-3 Range and Demo 1, such as a block of C4. The CDC will be brought back after Demo 1 anomaly removal is completed; scheduling of the CDC per the Munitions Management Plan is evoked after 100 items are identified. Mr. Borci requested to be informed of these types of discoveries (C4 at Demo 1). Mr. Fedele noted that this type of information was typically included in the weekly field updates. EPA requested the Guard follow through with the requirement to inform EPA of any ordnance discoveries during the Demo 1 work. Previously, discoveries were summarized on the excavation maps, and Mr. Fedele stated those summaries which had not been included in recent weeks would be added back onto the excavation figures now that anomaly removal had resumed.

Demo 1 Update

Frank Fedele (ACE) and Paul Nixon (IAGWSP) provided an update on the Demo 1 fieldwork, distributing a figure showing details of the progress of the soil excavation as of 4/14.

- Anomaly removal resumed; removal activities were focused on the slopes of the kettle hole. Following the clearance of this area early next week (week of 4/19), clearance will be conducted at the base (flat part) of the kettle hole. As part of anomaly removal, two burn pits were uncovered. One pit was at the location designated by Tetra Tech; another was close but not exactly where specified by Tetra Tech. One more burn pit, previously identified by Tetra Tech in the bowl area at quadrant 42, has not been encountered yet. The plan is to address all three burn pits at the same time; therefore removal and sampling of the burn pits

is pending. Todd Borci requested that EPA be notified of when suspected burns pit were identified, when the pits were to be sampled and what the results of the sampling were. Gina Kaso (ACE) to provide the agencies an outline of the logic in classifying a pit as a burn pit.

- The Proof of Performance (POP) Test was completed at the end of March, beginning of April. As of 4/02, 5800 tons of soil had been processed. Results of the POP Test have been received and will be discussed in an after meeting. Meghan Cassidy (EPA) noted that if the soil processed during the test needs to be retreated, then the Army Corps needs to manage the soil better. Ms. Cassidy further requested a mechanism be instituted to submit the soil data to the agencies.

ROA Status and Drilling Schedule

Darrin Smith (ACE) reviewed the ROA status and drilling schedule, distributing an ROA status table and drilling schedule.

- Changes in ROA status since the last meeting include the following approvals: ROAs for J2P-37 and 38; and J3P-45. ROAs were submitted for J3P-46 and prepared for J3P-43, -44, J3 RRA, NWP-17, and BIP crater excavations.
- Todd Borci questioned what locations at the J-3 Range were submitted ROAs, noting that EPA had not approved any drilling locations. Dave Margolis (ACE) indicated these wells were located downrange of the Hillside site. Mr. Borci indicated he had understood that the IAGWSP would provide a map for EPA to review showing the revised locations of J3P-43 through 46 and requested that such a figure be prepared with justifications for each position. Mr. Borci pointed out that drilling had been completed at J3P-45, but there was no indication in the table that the location was approved. Mr. Smith noted that the table may not be completely up to date. Mr. Borci requested a figure showing where J3P-45 was drilled, thinking that the location may have been approved in February, but also noting that the other J-3 Range well locations had not been approved.
- Mr. Borci stated EPA's concerns that the Guard should not be submitting ROAs without EPA review and documentation approval of drilling locations as appropriate. Mr. Borci further recommended the ROA status table be reviewed to make sure all appropriate boxes were filled in.
- The current drilling schedule shows Barber rigs drilling/installing wells at the following locations: LP-10, J2P-23, J2P-38 and the Cable Tool Rig installing wells at LP-13.
- Jane Dolan requested all scoped and pending wells be shown on the new drilling schedule.

J-2 Range Groundwater Investigation

Dave Hill (IAGWSP), with the assistance of Mike Goydas (Jacobs), led a discussion on the on-going investigation of the J-2 Range perchlorate groundwater contamination.

- Jane Dolan indicated the D drilling location is pending, based on the results for the C drilling location. However, the IAGWSP could still go ahead with ROA submittal for the D location. Len Pinaud's (MADEP) indicated that his email had expressed concerns regarding ecological impacts, but still approved the submission of the ROA. Mr. Goydas indicated the IAGWSP was hoping to get the results from the sentry wells on Gibbs to determine the distance towards Gibbs, the D well should be installed.
- Ms. Dolan inquired about the IAGWSP's proposal for additional wells to complete plume delineation. Mr. Hill indicated that the proposal was not being prepared, as, at the moment, the primary focus of the current investigation was to look for the downgradient toe of the J-2 Disposal Area 2 plume. As currently defined, the plume was bounded on the east and the IAGWSP was working on bounding the plume to the north. A western bounding well would likely be needed, but no specific locations had been proposed to date. Ms. Dolan requested that Mr. Hill provide the agencies with a proposal for what they could do and an explanation of additional steps that would be taken to determine what additional work needed to be done. Mr. Goydas explained that the team wanted to get all well results, reevaluate data gaps and

then determine what steps were needed to address these gaps. Meghan Cassidy (EPA) requested the IAGWSP provide an email explaining when this would happen, indicating the sequencing of the process, if not the overall schedule. Len Pinaud (MADEP) requested that this email address what work needed to be conducted for complete plume characterization. Mr. Hill to provide steps next week.

- Ms. Dolan noted that although MW-289 and MW-292 had been sampled a second time, data for these wells were not provided in the explosives weekly update. However, the data was in EDMS. Ms. Dolan requested this information be updated for the IART in 2 weeks. Ms. Dolan further noted that the HMX detection in the FS-12 influent sample had not been reported in the weekly recent detects table.
- Mr. Goydas reviewed available information on the J-2 Range eastern plume, discussing groundwater flow direction and gradients from actual and modeled observations as depicted in a series of figures of the J-2 Range distributed at the meeting. Based on the assessment of data, wells for a synoptic water level round were proposed for J-2, J-3 and FS-12 study area. Ms. Dolan requested Mr. Goydas reevaluate using the push point well ECPT05 at Peter's Pond, 90WT0010, and the chemical monitoring wells for the Sandwich water supply wells located near Spectacle and Triangle Ponds as part of the synoptic survey. In addition, Ms. Dolan requested the IAGWSP consider completing the J-1 Range synoptic survey, proposed in the J-1 Range Workplan MOR, at the same time. Mr. Goydas to reevaluate the wells to be included in the synoptic survey.
- Mr. Goydas then led a discussion on the proposed placement of monitoring wells to characterize the eastern J-2 Range plumes.
  - J2P-19 is proposed to bound the western edge of contamination detected and MW-321 and MW-307.
  - J2P-25 is proposed for Greenway Rd (south of MW-158 and MW-319) to bound the southern extent of the plume. The well was not proposed closer to MW-319 to enable the IAGWSP to get rid of the large uncertainty in the area of the edge of the known contaminant area. Mr. Borci indicated EPA favored a well location closer to MW-319.
  - J2P-26 is proposed for Wood Road to bound MW-324 and MW-170. This would provide a western edge to the contamination seen in MW-307 and MW-321. The road location is also favored because of access issues.
  - J2P-27 is proposed at the periphery of a cleared area for the towers at the Coast Guard Station. This well location falls between the forward tracks from MW-310 and in the ZOC of Co-op Supply Well 3. The Wood Road location further toward MW-310 is not as attractive since contamination has already been detected in MW-324, located to the west along Wood Road. The intended strategy is to get in front of the plume to delineate the plume edges. This is a different approach then for the Disposal Area 2 plume because of the high amount of splay in the groundwater flow directions. The source area for the Disposal Area 2 plume was better defined. EPA emphasized the coordination with the Coast Guard was critical. Ben Gregson (IAGWSP) indicated he had already made initial contact with the Coast Guard and would report back to them to get an approval for a specific location. Mr. Goydas indicated the J2P-27 location was a priority among these three locations.
  - The J2P-27 drilling location was approved by EPA/MADEP. Ms. Dolan to review proposed locations J2P-25, 26, and 19 and provide comment to Mr. Hill, as soon as possible.
  - Regarding the sampling of the Co-op Sentry Wells: the two deepest screens in the sentry wells were sampled over the past two weeks. Fifteen additional wells were being sampled for RDX including screens at MW-48, MW-49, MW-254 and 84MW005.
  - Further discussion ensued on the implications of the perchlorate detections at MW-319, modeled forward particle tracks from the well terminated off-base to the east. Pam Richardson indicated seven residences were identified as having private drinking water

wells, based on cross referencing the tax assessors maps with the water department records. All seven residences were sent letters of inquiry regarding the presence of private wells on the properties. Of the seven residences, responses from five have already been received, all confirming the presence of a well. Copies of the letter were sent to the agencies. Len Pinaud requested that Dave Mason of the Board of Health be notified. Mr. Pinaud further requested that the following entities be contacted: PA Landers (south), the Grand Oaks School regarding their irrigation well and the owners of three wells sampled by Jacobs in this vicinity. Letters should be sent to Grand Oak's and Peter Pond's residences requesting permission to sample private wells.

- Mr. Borci and Ms. Cassidy further requested the IAGWSP look at access in these neighborhoods to install a downgradient well, immediately, as potential drilling locations may be limited and the process to obtain access difficult. Information on access in this area should be provided to the agencies within two weeks. In addition, EPA inquired if the private wells could be sampled before the IART.

Northwest Corner Update

Bill Gallagher (IAGWSP) provided an update on the Northwest Corner investigation.

- The following fieldwork was completed in the Northwest Corner during the past three weeks. Monthly monitoring of the Canal View Road wells was completed. There has been no response from the Condominium Association regarding the ROE for NWP-13. MW-323 has been developed and will be sampled next Monday; data will be available before the end of the month.
- A series of site visits were conducted over the past few weeks to select drilling and soil sampling locations for inclusion in a Project Note.
  - ROA was submitted for the approved NWP-17 location.
  - The IAGWSP proposed a location for NWP-19 that was approximately 525 feet south of MW-323, as shown on a figure that was distributed at the meeting. Desiree Moyer (EPA) had requested a location ½ way in between this proposed location and MW-323. The intent of the further south location was an attempt to get a handle on the width of the RDX contamination prior to selecting an upgradient well location. Todd Borci (EPA) agreed to the proposed NWP-19 location, contingent on the IAGWSP accepting the in-between location (NWP-19b) as a contingency based on the results of NWP-19. The IAGWSP concurred with EPA's proposal.
  - Mr. Borci requested the depth of wells 95-13 and 95-15C be evaluated to determine if these wells could by useful in monitoring the RDX detected in profile samples at MW-323.
  - EPA's proposed NWP-18 location, as shown on a figure of the L-3 Range that was distributed at the meeting, was being evaluated today for accessibility and ROA preparation. Mr. Borci requested the groundwater contours be placed on the map and the access path from GP-14 be notated in a color other than blue.
  - The L-3 Range figure also depicted the soil sampling locations requested by the agencies for perchlorate analysis. Mr. Borci requested the two grids between GP-14 and GP-16 be sampled for 2,4-DNT analysis. Mr. Borci to further review grids at GP-14 for other locations to propose for 2,4-DNT analysis. In addition, Mr. Borci requested that an all metal detector be used to screen the berms of the target pits for bullets. Soil piles at L-3 Range were are also proposed to be sampled. The IAGWSP also agreed to research the historical width of GP-14.
  - Four sampling locations were proposed in the soil piles at GP-19 as shown in the figure of GP-19 that was distributed at the meeting. Samples from these locations to be collected as grids or grabs. Mark Panni (MADEP) requested one deeper discrete sample be collected at each location from 3-4 feet into the pile.
  - Six sampling locations for perchlorate analysis were selected at GP-12 by EPA, as depicted in the figure distributed at the meeting.

  - Soil sampling initially proposed by the IAGWSP between Canal View Road and Jefferson Roads was being reevaluated because of budget constraints due to expenditures for the RRA's being completed at Demo 1.
- Todd Borci requested the IAGWSP complete air dispersion modeling to assess the fallout pattern for fireworks debris. Mr. Borci indicated that one of the off-the-shelf models could be utilized to roughly assess an outline for debris using basic assumptions of a certain height of the debris and the wind speed and direction at the time of the events.
- In addition, Todd Borci requested the IAGWSP follow through with its commitment to provide initial concepts to address the Northwest Corner contamination either by a Rapid Response Action or other efforts. Mr. Borci recalled that in the last Tech meeting, the NGB/Army had previously agreed to provide the project note in two weeks and a conceptual approach for the way forward. The draft project note for additional sampling was overdue. Based on Hap Gonser's statement that the Project Note would be revised and submitted at the earliest by mid-week (Wednesday, 4/21) pending review of funding for this investigation, Mr. Borci requested the conceptual site approach be provided within two weeks (by April 29th).

Central Impact Area Focused Investigation, Targets 42/23

Bill Gallagher (IAGWSP) discussed the IAGWSP's revised proposal for wipe sampling, based on EPA's prior comments. A handout describing the revised approach was distributed with a revised table summarizing the UXO and OE Scrap identified as part of the investigation.

- Todd Borci requested the IAGWSP not reference EPA Region 6 as a source of the munitions-containing perchlorate list. In addition, Mr. Borci requested information as to why the fuzed, 155mm LITR round (02/12/04-17) was not BIPed.
- Mr. Gallagher indicated the proposal did not include wipe sampling of LITR rounds for explosives because these munitions do not have explosive fillers. Mr. Borci contented that the investigation should also address residue of explosives present on the munitions from a source other than the munition itself.
- Mr. Borci to review the handout and provide further comments.
- The difference in wipe sampling of the M804 and M804A1 155mm LITR projectiles reflects that the M804 projectile has smoke holes, while the M804A1 does not.

Documents and Schedules

Ed Wise (ACE) distributed the Scheduling Issues Table.

- Len Pinaud (MADEP) had the following comments regarding the document schedule
  - Comments on the LTGM supplement were sent yesterday.
  - MADEP was currently looking at the Materials Disposition Plan.
  - The Central Impact Area Additional Soil Sampling Plan had not been one of MADEP's priorities.
  - Comments on the Central Impact Area Soil RRA Plan would be sent tomorrow.
  - The various parts of the Thermal Treatment Study needed to be clarified.
  - Comments on the Munitions Management Plan have already been provided.
  - MADEP had been requested to expedite the Gun and Mortar COC Letter Report.
- Regarding the Addendum to the BIP SAP and Excavation Plan, the IAGWSP has been holding off BIP soil removal pending approval of this plan (essentially an RRA Plan for the BIPs). This plan discusses the disposition of excavated soil. EPA to look at the addendum and decide if a meeting is needed to discuss further. A letter plus the Soil Management Plan should be sufficient to start treating excavated BIP soil in the Demo 1 TTF.
- EPA does not intend to provide comment on TM 03-1, and this document should be removed from the documents needing comments list.
- EPA requested the IAGWSP review the extension request list and remove those items that are no longer current.

3. SUMMARY OF DATA RECEIVED

Table 3 summarizes validated detections of contaminants that exceeded an EPA Maximum Contaminant Level (MCL) of Health Advisory (HA) for drinking water, or exceeded a 4 ppb concentration for perchlorate received for the reporting period of March 29, 2004 through April 16, 2004. The reporting date is extended into March because this was the date for the close of data reported in the April Monthly Progress Report.

Table 4 summarizes first time validated detections below the MCL/HA for drinking water or below a 4 ppb concentration for perchlorate received from March 29, 2004 through April 16, 2004. Metals, chloroform, and BEHP are excluded from Table 4 for the following reasons: metals are a natural component of groundwater, particularly at levels below MCLs or HAs; detections of chloroform are pervasive throughout Cape Cod and are not likely the result of military training activities; and BEHP is believed to be largely an artifact of the investigation methods and introduced to the samples during collection or analysis.

First time validated detections of explosives, metals, VOCs, SVOCs, pesticides, herbicides, and perchlorate in groundwater compared to the MCL/HAs are summarized below:

Explosives in Groundwater Compared to MCL/HAs

For validated data from March 29, 2004 through April 16, 2004, no wells had first time validated detections of explosives above the MCL/HAs. Two wells, MW-206M1 (Impact Area) and MW-227M2 (J-3 Range), had first time validated detections of hexahydro-1-mononitroso-3,5-dinitro-1,3,5-triazine (MNX). There is no MCL or HA established for MNX.

Metals in Groundwater Compared to MCL/HAs

For validated data received from March 29, 2004 through April 16, 2004, no wells had first time validated detections of metals above the MCL/HAs.

VOCs in Groundwater Compared to MCL/HAs

For validated data received from March 29, 2004 through April 16, 2004, no wells had first time validated detections of VOCs above or below the MCL/HAs.

SVOCs in Groundwater Compared to MCL/HAs

For validated data received from March 29, 2004 through April 16, 2004, no wells had first time validated detections of SVOCs above or below the MCL/HAs.

Pesticides/Herbicides in Groundwater Compared to the MCL/HAs

For validated data received from March 29, 2004 through April 16, 2004, no wells had first time validated detections of pesticides/herbicides above or below the MCL/HAs.

Perchlorate in Groundwater Compared to MCL/HAs

For validated data received from March 29, 2004 through April 16, 2004, one well, MW-211M1 (Demo Area 1) had a first time validated detection of perchlorate above the concentration of 4 ppb. No wells had first time validated detections of perchlorate below the concentration of 4 ppb.

Rush data are summarized in Table 5. These data are for analyses that are performed on a fast turn around time, typically 1-5 days. Perchlorate and explosive analyses for monitoring wells, and perchlorate, 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 5 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 5. 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 5, 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 5 includes detections from the following areas:

Western Boundary

- Groundwater samples from water supply wells 4036000-03G and 4036000-04G had detections of perchlorate. This is the first detection of perchlorate in these wells since December 2003 and December 2002 respectively.

- Profile samples from MW-317 (CBP-9) had detections of explosives. Of the explosives compounds, only TNT was confirmed by PDA spectra, but with interference in two intervals at 71 and 131 feet below the water table. Well screens were set at the depth (-2 to 8 ft bwt) corresponding to the depth the reverse particle track from MW-226M2 intersects the MW-317 borehole, and at the depth (18 to 28 ft bwt) corresponding to the depth the forward particle track from MW-80M1 intersects the MW-317 borehole.

Northwest Corner

- Groundwater samples from MW-277S; MW-283M1; MW-287M1 and S; MW-297M1 and S; RSNW03; and RSNW06 had detections of perchlorate. The results were similar to previous sampling rounds.

- Groundwater samples from MW-314S and MW-320M1 and S had detections of perchlorate. This is the first sampling event for these wells and the results were consistent with the profile results.

Demo Area 2

- Groundwater samples from MW-311M1 and M2 had detections of RDX that were confirmed by PDA spectra. This is the first sampling event for these wells. RDX was not detected in the M1 interval in the profile results. The result from the M2 screen was consistent with the profile results.

J-2 Range

- Profile samples from MW-324 (J2P-23) had detections of explosives and perchlorate. Perchlorate was detected in three intervals at 87, 107, and 117 feet below the water table. Of the explosive compounds, RDX was confirmed by PDA spectra in three intervals between 77 and 117 feet below the water table, but with interference at the deepest interval. HMX was confirmed by PDA spectra in two intervals at 77 and 87 feet below the water table. 2,6-DNT was confirmed by PDA spectra in one interval at 127 feet below the water table. Well screens were set at the depth (82 to 92 ft bwt) corresponding to the maximum RDX, HMX, and perchlorate detections, and at the depth (112 to 122 ft bwt) corresponding to the deepest perchlorate and RDX detections.

L-Range

- Profile samples from MW-325 (LP-13) had detections of explosives and VOCs. Of the explosive compounds, only RDX was confirmed by PDA spectra in two intervals at 92 and 102 feet below the water table. A well screen will be set at the depth (94 to 104 ft bwt) corresponding to the maximum RDX detection.

4. DELIVERABLES SUBMITTED

Draft Blow in Place Summary Report for 01/02 – 03/02	04/07/2004
Draft Blow in Place Summary Report for 04/02 – 06/02	04/07/2004
Draft Final Demo 1 Environmental Risk Characterization Report	04/09/2004
Monthly Progress Report for March 2004	04/09/2004
Weekly Progress Update for March 29, 2004 – April 2, 2004	04/13/2004

5. SCHEDULED ACTIONS

Scheduled actions through the end of April include complete well installation at MW-329 (J3P-45); commence well installation at MW-328 (LP-10); continue drilling at MW-330 (J2P-37); and continue re-drilling at MW-242a. Groundwater sampling of Bourne water supply and monitoring wells, recently installed wells, and as part of the April round of the Draft 2004 Long-Term Groundwater Monitoring Plan will continue. Installation of lysimeters in the Impact Area as part of the CIA Focused Investigation will also continue.

TABLE 2
SAMPLING PROGRESS
INTERIM MONTHLY 04/01/2004 - 04/16/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
HD02250202SS1	02250202	04/07/2004	CRATER GRID	0.16	0.16		
HD02250202SS1D	02250202	04/07/2004	CRATER GRID	0.16	0.16		
HD02250202SS2	02250202	04/07/2004	CRATER GRID	0.16	0.16		
HD02250202SS2D	02250202	04/07/2004	CRATER GRID	0.16	0.16		
HD02250202SS3	02250202	04/07/2004	CRATER GRID	0.16	0.16		
HD02250202SS4	02250202	04/07/2004	CRATER GRID	0.16	0.16		
HD02250202SS5	02250202	04/07/2004	CRATER GRID	0.16	0.16		
HD02250202SS6	02250202	04/07/2004	CRATER GRID	0.16	0.16		
HD02250202SS7	02250202	04/07/2004	CRATER GRID	0.16	0.16		
HD02250202SS8	02250202	04/07/2004	CRATER GRID	0.16	0.16		
HDTT04030202SS1	TT040302-02	04/01/2004	CRATER GRID	0	0.16		
HDTT04030202SS2	TT040302-02	04/01/2004	CRATER GRID	0	0.16		
HDTT04030202SS3	TT040302-02	04/01/2004	CRATER GRID	0	0.16		
HDTT04030202SS4	TT040302-02	04/01/2004	CRATER GRID	0	0.16		
HDTT04030202SS5	TT040302-02	04/01/2004	CRATER GRID	0	0.16		
HDTT04030202SS6	TT040302-02	04/01/2004	CRATER GRID	0	0.16		
HDTT04030202SS7	TT040302-02	04/01/2004	CRATER GRID	0	0.16		
HDTT04030202SS8	TT040302-02	04/01/2004	CRATER GRID	0	0.16		
HDTT04030202SS8	TT040302-02	04/01/2004	CRATER GRID	0	0.16		
HDTT09160204SS1	TT091602-04	04/12/2004	CRATER GRID	0	0.16		
HDTT09160204SS2	TT091602-04	04/12/2004	CRATER GRID	0	0.16		
HDTT09160204SS3	TT091602-04	04/12/2004	CRATER GRID	0	0.16		
HDTT09160204SS4	TT091602-04	04/12/2004	CRATER GRID	0	0.16		
HDTT09160204SS5	TT091602-04	04/12/2004	CRATER GRID	0	0.16		
HDTT09160204SS6	TT091602-04	04/12/2004	CRATER GRID	0	0.16		
HDTT09160204SS7	TT091602-04	04/12/2004	CRATER GRID	0	0.16		
HDTT09160204SS8	TT091602-04	04/12/2004	CRATER GRID	0	0.16		
HDTT09160205SS1	TT091602-05	04/12/2004	CRATER GRID	0	0.16		
HDTT09160205SS2	TT091602-05	04/12/2004	CRATER GRID	0	0.16		
HDTT09160205SS3	TT091602-05	04/12/2004	CRATER GRID	0	0.16		
HDTT09160205SS4	TT091602-05	04/12/2004	CRATER GRID	0	0.16		
HDTT09160205SS5	TT091602-05	04/12/2004	CRATER GRID	0	0.16		
HDTT09160205SS6	TT091602-05	04/12/2004	CRATER GRID	0	0.16		
HDTT09160205SS7	TT091602-05	04/12/2004	CRATER GRID	0	0.16		
HDTT09160205SS8	TT091602-05	04/12/2004	CRATER GRID	0	0.16		

Profiling methods may include: Volatiles, Explosives, and Perchlorate
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INTERIM MONTHLY 04/01/2004 - 04/16/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
HDTT09160205SS8	TT091602-05	04/12/2004	CRATER GRID	0	0.16		
HDTT09160206SS1	TT091602-06	04/12/2004	CRATER GRID	0	0.16		
HDTT09160206SS2	TT091602-06	04/12/2004	CRATER GRID	0	0.16		
HDTT09160206SS3	TT091602-06	04/12/2004	CRATER GRID	0	0.16		
HDTT09160206SS4	TT091602-06	04/12/2004	CRATER GRID	0	0.16		
HDTT09160206SS5	TT091602-06	04/12/2004	CRATER GRID	0	0.16		
HDTT09160206SS6	TT091602-06	04/12/2004	CRATER GRID	0	0.16		
HDTT09160206SS7	TT091602-06	04/12/2004	CRATER GRID	0	0.16		
HDTT09160206SS8	TT091602-06	04/12/2004	CRATER GRID	0	0.16		
HDURAL1GSS1	UR.A.L1G	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1GSS2	UR.A.L1G	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1GSS3	UR.A.L1G	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1GSS3D	UR.A.L1G	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1GSS4	UR.A.L1G	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1GSS5	UR.A.L1G	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1GSS6	UR.A.L1G	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1GSS7	UR.A.L1G	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1GSS8	UR.A.L1G	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1JSS1	UR.A.L1J	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1JSS2	UR.A.L1J	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1JSS3	UR.A.L1J	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1JSS4	UR.A.L1J	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1JSS5	UR.A.L1J	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1JSS6	UR.A.L1J	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1JSS7	UR.A.L1J	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1JSS7D	UR.A.L1J	04/07/2004	CRATER GRID	0.16	0.16		
HDURAL1JSS8	UR.A.L1J	04/07/2004	CRATER GRID	0.16	0.16		
11MW0003-A	11MW0003	04/02/2004	GROUNDWATER	0	0		
4036000-01G-A	4036000-01G	04/05/2004	GROUNDWATER	38	69.8	6	12
4036000-01G-A	4036000-01G	04/12/2004	GROUNDWATER	38	69.8	6	12
4036000-03G-A	4036000-03G	04/12/2004	GROUNDWATER	50	60	6	12
4036000-04G-A	4036000-04G	04/12/2004	GROUNDWATER	54.6	64.6	6	12
4036000-06G-A	4036000-06G	04/12/2004	GROUNDWATER	108	128	6	12
4036000-06G-A	4036000-06G	04/05/2004	GROUNDWATER	108	128	6	12
90MW0021-A	90MW0021	04/09/2004	GROUNDWATER	127	132	78	83

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SAMPLING PROGRESS
INTERIM MONTHLY 04/01/2004 - 04/16/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
97-2B-A	97-2B	04/07/2004	GROUNDWATER	121.7	121.7	75.4	75.4
97-2E-A	97-2E	04/06/2004	GROUNDWATER	94.5	94.5	49.8	49.8
97-2G-A	97-2G	04/06/2004	GROUNDWATER	126.8	126.8	73.7	73.7
97-2G-D	97-2G	04/06/2004	GROUNDWATER	126.8	126.8	73.7	73.7
C1-D-DA	C1-C	04/12/2004	GROUNDWATER	210	250	103.73	143.73
C1-I-DA	C1-B	04/12/2004	GROUNDWATER	160	200	53.72	93.72
C2-D-DA	C2-C	04/13/2004	GROUNDWATER	190	230	86.32	126.32
C2-I-DA	C2-B	04/13/2004	GROUNDWATER	143	183	39.31	79.31
C3-D-DA	C3-C	04/13/2004	GROUNDWATER	270	310	165.27	205.27
C3-I-DA	C3-B	04/13/2004	GROUNDWATER	191	241	88.29	138.29
C4-D-DA	C4-C	04/09/2004	GROUNDWATER	310	350	181.09	221.09
C4-I-DA	C4-B	04/09/2004	GROUNDWATER	260	300	131.11	171.11
C5-D-CA	C5-C	04/12/2004	GROUNDWATER	230	260	96.21	126.21
C5-I-CA	C5-B	04/12/2004	GROUNDWATER	193	223	59.19	89.19
C6-D-DA	C6-C	04/12/2004	GROUNDWATER	240	280	100.04	140.04
C6-I-DA	C6-B	04/12/2004	GROUNDWATER	190	230	50.04	90.04
C7-D-DA	C7-B	04/09/2004	GROUNDWATER	295	335	141.73	181.73
C7-D-DD	C7-B	04/09/2004	GROUNDWATER	295	335	141.73	181.73
C7-I-DA	C7-B	04/09/2004	GROUNDWATER	247	287	93.89	133.89
C7-I-DD	C7-B	04/09/2004	GROUNDWATER	247	287	93.89	133.89
MW-292M1-	MW-292M1	04/01/2004	GROUNDWATER	282.08	292.1	186.33	196.34
MW-306M1-	MW-306M1	04/01/2004	GROUNDWATER	185	195	61	71
MW-306M2-	MW-306M2	04/01/2004	GROUNDWATER	165	175	41	51
RSNW01-A	RSNW01	04/14/2004	GROUNDWATER	0	0		
RSNW03-A	RSNW03	04/14/2004	GROUNDWATER	0	0		
RSNW06-A	RSNW06	04/13/2004	GROUNDWATER	0	0		
TW01-1-A	01-1	04/16/2004	GROUNDWATER	62	67	55.21	60.21
TW1-88B-A	1-88	04/16/2004	GROUNDWATER	105.5	105.5	69.6	69.6
W02-01M1A	02-01	04/06/2004	GROUNDWATER	95	105	42.9	52.9
W02-01M2A	02-01	04/06/2004	GROUNDWATER	83	93	30.9	40.9
W02-02M1A	02-02	04/08/2004	GROUNDWATER	114.5	124.5	63.5	73.5
W02-02M2A	02-02	04/07/2004	GROUNDWATER	94.5	104.5	42.65	52.65
W02-02SSA	02-02	04/07/2004	GROUNDWATER	49.5	59.5	0	10
W02-03M1A	02-03	04/08/2004	GROUNDWATER	130	140	86.1	96.1
W02-03M2A	02-03	04/08/2004	GROUNDWATER	92	102	48.15	58.15

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SAMPLING PROGRESS
INTERIM MONTHLY 04/01/2004 - 04/16/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W02-03M3A	02-03	04/08/2004	GROUNDWATER	75	85	31.05	41.05
W02-04M1A	02-04	04/09/2004	GROUNDWATER	123	133	73.97	83.97
W02-04M2A	02-04	04/09/2004	GROUNDWATER	98	108	48.93	58.93
W02-04M3A	02-04	04/09/2004	GROUNDWATER	83	93	34.01	44.01
W02-05M1A	02-07	04/15/2004	GROUNDWATER	110	120	81.44	91.44
W02-05M1D	02-07	04/15/2004	GROUNDWATER	110	120	81.44	91.44
W02-05M2A	02-07	04/15/2004	GROUNDWATER	92	102	63.41	73.41
W02-05M3A	02-07	04/15/2004	GROUNDWATER	70	80	41.37	51.37
W02-07M1A	02-07	04/15/2004	GROUNDWATER	135	145	101.14	111.14
W02-07M2A	02-07	04/15/2004	GROUNDWATER	107	117	72.86	82.86
W02-07M3A	02-07	04/15/2004	GROUNDWATER	47	57	13	23
W02-09M1A	02-09	04/16/2004	GROUNDWATER	74	84	65.26	75.26
W02-09M1D	02-09	04/16/2004	GROUNDWATER	74	84	65.26	75.26
W02-09M2A	02-09	04/16/2004	GROUNDWATER	59	69	50.3	60.3
W02-13M1A	02-13	04/12/2004	GROUNDWATER	98	108	58.33	68.33
W02-13M2A	02-13	04/12/2004	GROUNDWATER	83	93	44.2	54.2
W02-13M3A	02-13	04/12/2004	GROUNDWATER	68	78	28.3	38.3
W02-13M3D	02-13	04/12/2004	GROUNDWATER	68	78	28.3	38.3
W129M1A	MW-129	04/07/2004	GROUNDWATER	136	146	66	76
W129M1A-QA	MW-129	04/07/2004	GROUNDWATER	136	146	66	76
W129M2A	MW-129	04/07/2004	GROUNDWATER	116	126	46	56
W129M2A-QA	MW-129	04/07/2004	GROUNDWATER	116	126	46	56
W129M3A	MW-129	04/07/2004	GROUNDWATER	96	106	26	36
W129M3A-QA	MW-129	04/07/2004	GROUNDWATER	96	106	26	36
W162M1A	MW-162	04/06/2004	GROUNDWATER	190.5	200.5	114.28	124.28
W162M2A	MW-162	04/16/2004	GROUNDWATER	125.5	135.5	49.28	59.28
W162M3A	MW-162	04/06/2004	GROUNDWATER	85.5	95.5	9.28	19.28
W165M1A	MW-165	04/09/2004	GROUNDWATER	184.5	194.5	106	116
W165M2A	MW-165	04/09/2004	GROUNDWATER	124.5	134.5	46	56
W175M1A	MW-175	04/16/2004	GROUNDWATER	264	274	136.4	146.4
W175M2A	MW-175	04/16/2004	GROUNDWATER	199	209	71.66	81.66
W175M3A	MW-175	04/16/2004	GROUNDWATER	162	167	34.65	39.65
W197M1A	MW-197	04/14/2004	GROUNDWATER	120	125	99.6	104.6
W197M2A	MW-197	04/13/2004	GROUNDWATER	80	85	59.3	64.3
W197M3A	MW-197	04/15/2004	GROUNDWATER	60	65	39.4	44.4

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SAMPLING PROGRESS
INTERIM MONTHLY 04/01/2004 - 04/16/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W216M1A	MW-216	04/05/2004	GROUNDWATER	253	263	51.19	61.19
W216M1A-QA	MW-216	04/05/2004	GROUNDWATER	253	263	51.19	61.19
W216M2A	MW-216	04/05/2004	GROUNDWATER	236	246	34.17	44.17
W216M2A-QA	MW-216	04/05/2004	GROUNDWATER	236	246	34.17	44.17
W216SSA	MW-216	04/05/2004	GROUNDWATER	199	209	0	7.13
W216SSA-QA	MW-216	04/05/2004	GROUNDWATER	199	209	0	7.13
W216SSD	MW-216	04/05/2004	GROUNDWATER	199	209	0	7.13
W226M1A	MW-226	04/02/2004	GROUNDWATER	285	295	172	182
W226M2A	MW-226	04/02/2004	GROUNDWATER	175	185	61.7	71.7
W226M3A	MW-226	04/02/2004	GROUNDWATER	135	145	21.53	31.53
W233M1A	MW-233	04/08/2004	GROUNDWATER	356	366	157.8	167.8
W233M2A	MW-233	04/08/2004	GROUNDWATER	331	341	132.8	142.8
W233M2D	MW-233	04/08/2004	GROUNDWATER	331	341	132.8	142.8
W233M3A	MW-233	04/08/2004	GROUNDWATER	231	241	32.8	42.8
W240M2A	MW-240	04/16/2004	GROUNDWATER	125	135	26.45	36.45
W248M2A	MW-248	04/01/2004	GROUNDWATER	178	188	66.5	76.5
W248M3A	MW-248	04/02/2004	GROUNDWATER	143	153	31.5	41.5
W252M2A	MW-252	04/01/2004	GROUNDWATER	145	155	31.62	41.61
W252M3A	MW-252	04/01/2004	GROUNDWATER	115	125	1.63	11.63
W252M3D	MW-252	04/01/2004	GROUNDWATER	115	125	1.63	11.63
W255M1A	MW-255	04/01/2004	GROUNDWATER	206	216	96.3	106.3
W255M2A	MW-255	04/01/2004	GROUNDWATER	170	180	60.43	70.43
W255M3A	MW-255	04/01/2004	GROUNDWATER	136	146	26.1	36.1
W255M3D	MW-255	04/01/2004	GROUNDWATER	136	146	26.1	36.1
W257M1A	MW-257	04/01/2004	GROUNDWATER	290	300	145.52	155.52
W257M2A	MW-257	04/01/2004	GROUNDWATER	195	205	51.27	61.27
W258M1A	MW-258	04/02/2004	GROUNDWATER	109	119	64.1	74.1
W258M2A	MW-258	04/02/2004	GROUNDWATER	87	92	42.2	47.2
W258M3A	MW-258	04/02/2004	GROUNDWATER	77	82	32.25	37.25
W267M1A	MW-267	04/05/2004	GROUNDWATER	248	258	18.57	28.57
W267M1D	MW-267	04/05/2004	GROUNDWATER	248	258	19.33	29.33
W268M1A	MW-268	04/05/2004	GROUNDWATER	97	107	48.12	58.12
W269M1A	MW-269	04/06/2004	GROUNDWATER	207	217	31.55	41.55
W269M2A	MW-269	04/06/2004	GROUNDWATER	186	196	9.85	19.85
W276M1A	MW-276	04/02/2004	GROUNDWATER	295	305	114	124

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SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W276M2A	MW-276	04/02/2004	GROUNDWATER	234	244	52.88	62.88
W276M3A	MW-276	04/02/2004	GROUNDWATER	185	195	0	10
W277M1A	MW-277	04/14/2004	GROUNDWATER	130	140	26.3	36.3
W277SSA	MW-277	04/14/2004	GROUNDWATER	102	112	0	10
W278M1A	MW-278	04/14/2004	GROUNDWATER	113	123	25.76	35.76
W278M2A	MW-278	04/14/2004	GROUNDWATER	97	102	9.79	14.79
W279M1A	MW-279	04/14/2004	GROUNDWATER	96	106	37.4	47.4
W279M2A	MW-279	04/14/2004	GROUNDWATER	83	88	26.8	31.8
W279M2D	MW-279	04/14/2004	GROUNDWATER	83	88	26.8	31.8
W279SSA	MW-279	04/15/2004	GROUNDWATER	66	76	10	20
W280M1A	MW-280	04/02/2004	GROUNDWATER	255	265	93.99	103.99
W280M2A	MW-280	04/02/2004	GROUNDWATER	202	212	41.64	51.64
W280M3A	MW-280	04/02/2004	GROUNDWATER	185	195	24.12	34.12
W295M1A	MW-295	04/13/2004	GROUNDWATER	145	155	49.5	59.5
W295M2A	MW-295	04/13/2004	GROUNDWATER	117	127	21.6	31.6
W308M1A	MW-308	04/07/2004	GROUNDWATER	325	335	127.42	137.42
W308M2A	MW-308	04/07/2004	GROUNDWATER	255	265	57.38	67.38
W320M1A	MW-320	04/14/2004	GROUNDWATER	138	148	22.49	32.49
W320SSA	MW-320	04/14/2004	GROUNDWATER	114	124	0	10
W74M1A	MW-74	04/05/2004	GROUNDWATER	170	180	76	86
W74M1D	MW-74	04/05/2004	GROUNDWATER	170	180	76	86
W74M2A	MW-74	04/05/2004	GROUNDWATER	125	135	31	41
W74M3A	MW-74	04/05/2004	GROUNDWATER	100	110	6	16
W75M1A	MW-75	04/07/2004	GROUNDWATER	140	150	59	69
W75M2A	MW-75	04/07/2004	GROUNDWATER	115	125	34	44
W75M2D	MW-75	04/07/2004	GROUNDWATER	115	125	34	44
W75SSA	MW-75	04/07/2004	GROUNDWATER	81	91	0	10
W77M1A	MW-77	04/05/2004	GROUNDWATER	180	190	98	108
W77M2A	MW-77	04/05/2004	GROUNDWATER	120	130	38	48
W77SSA	MW-77	04/05/2004	GROUNDWATER	83	93	1	11
W78M1A	MW-78	04/06/2004	GROUNDWATER	135	145	58	68
W78M2A	MW-78	04/06/2004	GROUNDWATER	115	125	38	48
W78M3A	MW-78	04/06/2004	GROUNDWATER	85	95	8	18
W80DDA	MW-80	04/08/2004	GROUNDWATER	158	168	114	124
W80DDD	MW-80	04/08/2004	GROUNDWATER	158	168	114	124

Profiling methods may include: Volatiles, Explosives, and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, Perchlorate 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 2
SAMPLING PROGRESS
INTERIM MONTHLY 04/01/2004 - 04/16/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
W80M1A	MW-80	04/08/2004	GROUNDWATER	130	140	86	96
W80M2A	MW-80	04/08/2004	GROUNDWATER	100	110	56	66
W80M3A	MW-80	04/08/2004	GROUNDWATER	70	80	26	36
W80SSA	MW-80	04/08/2004	GROUNDWATER	43	53	0	10
W81DDA	MW-81	04/13/2004	GROUNDWATER	184	194	156	166
W81M1A	MW-81	04/13/2004	GROUNDWATER	128	138	100	110
W81M2A	MW-81	04/16/2004	GROUNDWATER	83	93	55	65
W81M3A	MW-81	04/13/2004	GROUNDWATER	53	58	25	30
W81M3D	MW-81	04/13/2004	GROUNDWATER	53	58	25	30
W81SSA	MW-81	04/16/2004	GROUNDWATER	25	35	0	10
W82DDA	MW-82	04/15/2004	GROUNDWATER	125	135	97	107
W82M1A	MW-82	04/15/2004	GROUNDWATER	104	114	76	86
W82M2A	MW-82	04/15/2004	GROUNDWATER	78	88	50	60
W82M3A	MW-82	04/15/2004	GROUNDWATER	54	64	26	36
W82SSA	MW-82	04/15/2004	GROUNDWATER	25	35	0	10
DW040104-NV	GAC WATER	04/01/2004	IDW	0	0		
DW040804-NV	GAC WATER	04/08/2004	IDW	0	0		
DW040904-NV	GAC WATER	04/09/2004	IDW	0	0		
JEGACDLM01-	JEGACDLM01	04/09/2004	IDW	0	0		
JEGACDLM01-	JEGACDLM01	04/05/2004	IDW	0	0		
JEGACDLM01-	JEGACDLM01	04/07/2004	IDW	0	0		
JEGACDLM01-	JEGACDLM01	04/15/2004	IDW	0	0		
JEGACDLM01-	JEGACDLM01	04/13/2004	IDW	0	0		
IW273EFF2-A	MW-273	04/13/2004	PROCESS WATER	0	0		
IW273INF2-A	MW-273	04/13/2004	PROCESS WATER	0	0		
IW273MID2-A	MW-273	04/13/2004	PROCESS WATER	0	0		
90DP0004-01	90DP0004	04/01/2004	PROFILE	14.54	19.8		
90DP0004-02	90DP0004	04/01/2004	PROFILE	19.8	29.8		
90DP0004-03	90DP0004	04/01/2004	PROFILE	29.8	39.8		
90DP0004-04	90DP0004	04/01/2004	PROFILE	39.8	49.8		
90DP0004-05	90DP0004	04/01/2004	PROFILE	49.8	59.8		
90DP0004-06	90DP0004	04/02/2004	PROFILE	59.8	69.8		
90DP0004-07	90DP0004	04/02/2004	PROFILE	69.8	79.8		
90DP0004-08	90DP0004	04/02/2004	PROFILE	79.8	89.8		
90DP0004-09	90DP0004	04/02/2004	PROFILE	89.8	99.8		

Profiling methods may include: Volatiles, Explosives, and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, Perchlorate 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 2
SAMPLING PROGRESS
INTERIM MONTHLY 04/01/2004 - 04/16/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
90DP0004-10	90DP0004	04/02/2004	PROFILE	99.8	109.8		
90DP0004-11	90DP0004	04/02/2004	PROFILE	109.8	119.8		
90DP0004-12	90DP0004	04/05/2004	PROFILE	119.8	129.8		
90DP0004-13	90DP0004	04/05/2004	PROFILE	129.8	139.8		
90DP0004-14	90DP0004	04/05/2004	PROFILE	139.8	149.8		
90DP0004-15	90DP0004	04/05/2004	PROFILE	149.8	159.8		
90DP0004-16	90DP0004	04/05/2004	PROFILE	159.8	169.8		
90DP0004-17	90DP0004	04/05/2004	PROFILE	169.8	179.8		
90DP0004-18	90DP0004	04/06/2004	PROFILE	179.8	189.8		
90DP0004-19	90DP0004	04/06/2004	PROFILE	189.8	196.7		
90DP0007-01	90DP0007	04/15/2004	PROFILE	90	100		
90DP0007-02	90DP0007	04/15/2004	PROFILE	100	110		
90DP0007-03	90DP0007	04/15/2004	PROFILE	110	120		
90DP0007-03 FD	90DP0007	04/15/2004	PROFILE	110	120		
90DP0007-04	90DP0007	04/15/2004	PROFILE	120	130		
90DP0007-05	90DP0007	04/15/2004	PROFILE	130	140		
90DP0007-06	90DP0007	04/15/2004	PROFILE	140	150		
90DP0007-07	90DP0007	04/15/2004	PROFILE	150	160		
90DP0007-08	90DP0007	04/16/2004	PROFILE	160	170		
90DP0007-09	90DP0007	04/16/2004	PROFILE	170	180		
90DP0007-10	90DP0007	04/16/2004	PROFILE	180	190		
G317DGA	MW-317	04/01/2004	PROFILE	220	220	61.2	61.2
G317DHA	MW-317	04/02/2004	PROFILE	230	230	71.2	71.2
G317DIA	MW-317	04/05/2004	PROFILE	240	240	81.2	81.2
G317DJA	MW-317	04/05/2004	PROFILE	250	250	91.2	91.2
G317DKA	MW-317	04/05/2004	PROFILE	260	260	101.2	101.2
G317DKD	MW-317	04/05/2004	PROFILE	260	260	101.2	101.2
G317DLA	MW-317	04/05/2004	PROFILE	270	270	111.2	111.2
G317DMA	MW-317	04/05/2004	PROFILE	280	280	121.2	121.2
G317DNA	MW-317	04/05/2004	PROFILE	290	290	131.2	131.2
G317DOA	MW-317	04/06/2004	PROFILE	300	300	141.2	141.2
G317DPA	MW-317	04/06/2004	PROFILE	310	310	151.2	151.2
G317DQA	MW-317	04/06/2004	PROFILE	320	320	161.2	161.2
G317DRA	MW-317	04/06/2004	PROFILE	329	329	170.2	170.2
G328DAA	MW-328	04/15/2004	PROFILE	100	100	0.35	0.35

Profiling methods may include: Volatiles, Explosives, and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, Perchlorate 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
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TABLE 2
SAMPLING PROGRESS
INTERIM MONTHLY 04/01/2004 - 04/16/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
G328DAD	MW-328	04/15/2004	PROFILE	100	100	0.35	0.35
MW-324-15	MW-324	04/01/2004	PROFILE	260	260	137	137
MW-324-16	MW-324	04/01/2004	PROFILE	270	270	147	147
MW-324-17	MW-324	04/01/2004	PROFILE	280	280	157	157
MW-324-18	MW-324	04/01/2004	PROFILE	290	290	167	167
MW-324-19	MW-324	04/05/2004	PROFILE	310	310	187	187
MW-324-20	MW-324	04/05/2004	PROFILE	330	330	207	207
MW-324-21	MW-324	04/05/2004	PROFILE	340	340	217	217
MW-324-22	MW-324	04/05/2004	PROFILE	349	349	226	226
MW-327-01	MW-327	04/08/2004	PROFILE	120	120	7	7
MW-327-02	MW-327	04/09/2004	PROFILE	130	130	17	17
MW-327-03	MW-327	04/09/2004	PROFILE	140	140	27	27
MW-327-03FD	MW-327	04/09/2004	PROFILE	140	140	27	27
MW-327-04	MW-327	04/09/2004	PROFILE	150	150	37	37
MW-327-05	MW-327	04/09/2004	PROFILE	160	160	47	47
MW-327-06	MW-327	04/09/2004	PROFILE	170	170	57	57
MW-327-07	MW-327	04/12/2004	PROFILE	180	180	67	67
MW-327-08	MW-327	04/12/2004	PROFILE	190	190	77	77
MW-327-09	MW-327	04/13/2004	PROFILE	200	200	87	87
MW-327-10	MW-327	04/13/2004	PROFILE	210	210	97	97
MW-327-11	MW-327	04/13/2004	PROFILE	220	220	107	107
MW-327-13	MW-327	04/14/2004	PROFILE	230	230	117	117
MW-327-13FD	MW-327	04/14/2004	PROFILE	230	230	117	117
MW-327-14	MW-327	04/14/2004	PROFILE	240	240	127	127
MW-327-15	MW-327	04/14/2004	PROFILE	250	250	137	137
MW-327-17	MW-327	04/15/2004	PROFILE	260	260	147	147
MW-327-18	MW-327	04/15/2004	PROFILE	270	270	157	157
MW-327-19	MW-327	04/15/2004	PROFILE	280	280	167	167
MW-327-21	MW-327	04/16/2004	PROFILE	290	290	177	177
MW-327-22	MW-327	04/16/2004	PROFILE	300	300	187	187
MW-329-01	MW-329	04/08/2004	PROFILE	30	30	4.7	4.7
MW-329-02	MW-329	04/08/2004	PROFILE	40	40	14.7	14.7
MW-329-03	MW-329	04/08/2004	PROFILE	50	50	24.7	24.7
MW-329-03FD	MW-329	04/08/2004	PROFILE	50	50	24.7	24.7
MW-329-04	MW-329	04/08/2004	PROFILE	60	60	34.7	34.7

Profiling methods may include: Volatiles, Explosives, and Perchlorate
Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, Perchlorate and Wet Chemistry
Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
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TABLE 2
SAMPLING PROGRESS
INTERIM MONTHLY 04/01/2004 - 04/16/2004

SAMPLE_ID	GIS_LOCID	LOGDATE	SAMP_TYPE	SBD	SED	BWTS	BWTE
MW-329-05	MW-329	04/08/2004	PROFILE	70	70	44.7	44.7
MW-329-06	MW-329	04/08/2004	PROFILE	80	80	54.7	54.7
MW-329-07	MW-329	04/08/2004	PROFILE	90	90	64.7	64.7
MW-329-08	MW-329	04/08/2004	PROFILE	100	100	74.7	74.7
MW-329-09	MW-329	04/08/2004	PROFILE	110	110	84.7	84.7
MW-329-10	MW-329	04/08/2004	PROFILE	120	120	94.7	94.7
MW-329-11	MW-329	04/08/2004	PROFILE	130	130	104.7	104.7
MW-329-13	MW-329	04/09/2004	PROFILE	140	140	114.7	114.7
MW-329-13FD	MW-329	04/09/2004	PROFILE	140	140	114.7	114.7
MW-329-14	MW-329	04/09/2004	PROFILE	150	150	124.7	124.7
MW-329-15	MW-329	04/09/2004	PROFILE	160	160	134.7	134.7
MW-329-16	MW-329	04/09/2004	PROFILE	170	170	144.7	144.7
MW-329-17	MW-329	04/09/2004	PROFILE	180	180	154.7	154.7
MW-329-18	MW-329	04/09/2004	PROFILE	190	190	164.7	164.7
MW-329-19	MW-329	04/12/2004	PROFILE	200	200	174.7	174.7
MW-329-20	MW-329	04/12/2004	PROFILE	210	210	184.7	184.7
MW-329-21	MW-329	04/12/2004	PROFILE	220	220	194.7	194.7
ECC032604J301 (po	SS15216-A	04/01/2004	SOIL GRID	0	0.2		
ECC032604J301 (pr	SS15216-A	04/01/2004	SOIL GRID	0	0.2		
HD115LB1BAA	115LB	04/01/2004	SOIL GRID	3.5	3.5		
HD115LB1CAA	115LB	04/08/2004	SOIL GRID	7	7		
HD115LC1AAA	115LC	04/06/2004	SOIL GRID	3	3		
HD115LC1BAA	115LC	04/06/2004	SOIL GRID	4	4		
HD115LC1CAA	115LC	04/08/2004	SOIL GRID	5	5		

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Other Sample Types methods are variable
SBD = Sample Begin Depth, measured in feet bgs
SED = Sample End Depth, measured in feet bgs
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TABLE 3
VALIDATED DETECTS EXCEEDING MCLs OR HEALTH ADVISORY LIMITS
INTERIM MONTHLY
DATA RECEIVED 3/27/04-4/9/04

WELL/LOCID	SAMPLE_ID	SAMPLED	METHOD	ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW_LIMIT	>DW_LIMIT
MW-196	W196SSA	02/10/2004	8330N	2,4,6-TRINITROTOLUENE	14		UG/L	0	5	2	X
MW-114	W114M2A	02/09/2004	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRI	210		UG/L	39	49	2	X
MW-184	W184M1A	02/09/2004	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRI	21		UG/L	58.2	68.2	2	X
MW-198	W198M4A	02/05/2004	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRI	3.9		UG/L	48.4	53.4	2	X
MW-198	W198M3A	02/05/2004	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRI	14		UG/L	78.5	83.5	2	X
MW-93	W93M1A	02/09/2004	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRI	3.2		UG/L	56	66	2	X
MW-206	W206M1A	02/03/2004	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRI	5.4		UG/L	19.57	29.57	2	X
MW-218	W218M2A	02/02/2004	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRI	2.5		UG/L	93	98	2	X
MW-223	W223M2A	01/30/2004	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRI	2.1		UG/L	93.31	103.31	2	X
MW-227	W227M2A	02/03/2004	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRI	8.2		UG/L	56.38	66.38	2	X
MW-227	W227M1A	02/03/2004	8330NX	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRI	3.1		UG/L	76.38	86.38	2	X
MW-198	W198M4A	02/05/2004	E314.0	PERCHLORATE	54		UG/L	48.4	53.4	4	X
MW-198	W198M3A	02/05/2004	E314.0	PERCHLORATE	260		UG/L	78.5	83.5	4	X
MW-198	W198M2A	02/05/2004	E314.0	PERCHLORATE	280		UG/L	98.4	103.4	4	X
MW-210	W210M2A	02/05/2004	E314.0	PERCHLORATE	19		UG/L	54.69	64.69	4	X
MW-211	W211M1A	02/04/2004	E314.0	PERCHLORATE	5.6		UG/L	55	65	4	X

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

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

DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)

>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)

J = ESTIMATED DETECT

TABLE 4
VALIDATED DETECTS BELOW MCLs OR HEALTH ADVISORY LIMITS NOT PREVIOUSLY DETECTED
INTERIM MONTHLY
DATA RECEIVED 3/27/04-4/9/04

WELL/LOCID	SAMPLE_ID	SAMPLED	METHOD	ANALYTE	CONC.	FLAG	UNITS	BWTS	BWTE	DW_LIMIT	>DW_LIMIT
WL206M1	W206M1A	02/03/2004	8330NX	HEXAHYDRO-1-MONONITROSO-3,5-DI	0.26		UG/L	19.57	29.57		
WL227M2	W227M2A	02/03/2004	8330NX	HEXAHYDRO-1-MONONITROSO-3,5-DI	0.3		UG/L	56.38	66.38		

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET
BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET
DW LIMIT = EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT OR LIFETIME)
>DW LIMIT = EQUALS OR EXCEEDS EITHER THE MCL OR LOWEST HEALTH ADVISORY CONCENTRATION (CHILD, ADULT, OR LIFETIME)
J = ESTIMATED DETECT

TABLE 5
DETECTED COMPOUNDS-UNVALIDATED
INTERIM MONTHLY FOR 04/01/04 - 04/16/04

SAMPLE_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
4036000-03G-A	4036000-03G	04/12/2004	GROUNDWATER	50	60	6	12	E314D	PERCHLORATE	
4036000-04G-A	4036000-04G	04/12/2004	GROUNDWATER	54.6	64.6	6	12	E314D	PERCHLORATE	
RSNW03-A	RSNW03	03/31/2004	GROUNDWATER	0	0			E314.0	PERCHLORATE	
RSNW03-A	RSNW03	04/14/2004	GROUNDWATER	0	0			E314.0	PERCHLORATE	
RSNW06-A	RSNW06	04/13/2004	GROUNDWATER	0	0			E314.0	PERCHLORATE	
W277SSA	MW-277	04/14/2004	GROUNDWATER	102	112	0	10	E314.0	PERCHLORATE	
W283M1A	MW-283	03/22/2004	GROUNDWATER	38	48	29.12	29.12	E314.0	PERCHLORATE	
W287M1A	MW-287	03/23/2004	GROUNDWATER	160	170	25.45	35.45	E314.0	PERCHLORATE	
W287SSA	MW-287	03/23/2004	GROUNDWATER	133	143	0	10	E314.0	PERCHLORATE	
W297M1A	MW-297	03/23/2004	GROUNDWATER	92	102	20.28	30.28	E314.0	PERCHLORATE	
W297SSA	MW-297	03/23/2004	GROUNDWATER	72	82	0.32	10.32	E314.0	PERCHLORATE	
W311M1A	MW-311	03/29/2004	GROUNDWATER	222	232	24.89	34.89	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W311M2A	MW-311	03/30/2004	GROUNDWATER	200	210	2.75	12.75	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
W314SSA	MW-314	03/23/2004	GROUNDWATER	24	34	0	10	E314.0	PERCHLORATE	
W320M1A	MW-320	04/14/2004	GROUNDWATER	138	148	22.49	32.49	E314.0	PERCHLORATE	
W320SSA	MW-320	04/14/2004	GROUNDWATER	114	124	0	10	E314.0	PERCHLORATE	
G317DEA	MW-317	03/31/2004	PROFILE	200	200	41.2	41.2	8330N	2,6-DINITROTOLUENE	NO
G317DEA	MW-317	03/31/2004	PROFILE	200	200	41.2	41.2	8330N	2-NITROTOLUENE	NO
G317DEA	MW-317	03/31/2004	PROFILE	200	200	41.2	41.2	8330N	PICRIC ACID	NO*
G317DEA	MW-317	03/31/2004	PROFILE	200	200	41.2	41.2	8330N	4-NITROTOLUENE	NO*
G317DEA	MW-317	03/31/2004	PROFILE	200	200	41.2	41.2	8330N	2,4,6-TRINITROTOLUENE	NO*
G317DFA	MW-317	03/31/2004	PROFILE	210	210	51.2	51.2	8330N	PICRIC ACID	NO*
G317DFA	MW-317	03/31/2004	PROFILE	210	210	51.2	51.2	8330N	NITROGLYCERIN	NO*
G317DFA	MW-317	03/31/2004	PROFILE	210	210	51.2	51.2	8330N	3-NITROTOLUENE	NO*
G317DFA	MW-317	03/31/2004	PROFILE	210	210	51.2	51.2	8330N	2-NITROTOLUENE	NO
G317DFA	MW-317	03/31/2004	PROFILE	210	210	51.2	51.2	8330N	2,6-DINITROTOLUENE	NO
G317DFA	MW-317	03/31/2004	PROFILE	210	210	51.2	51.2	8330N	4-NITROTOLUENE	NO*
G317DFA	MW-317	03/31/2004	PROFILE	210	210	51.2	51.2	8330N	2,4,6-TRINITROTOLUENE	NO*

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INTERIM MONTHLY FOR 04/01/04 - 04/16/04

SAMPLE_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
G317DGA	MW-317	04/01/2004	PROFILE	220	220	61.2	61.2	8330N	PICRIC ACID	NO*
G317DGA	MW-317	04/01/2004	PROFILE	220	220	61.2	61.2	8330N	2,6-DINITROTOLUENE	NO
G317DGA	MW-317	04/01/2004	PROFILE	220	220	61.2	61.2	8330N	2-NITROTOLUENE	NO
G317DGA	MW-317	04/01/2004	PROFILE	220	220	61.2	61.2	8330N	4-NITROTOLUENE	NO*
G317DGA	MW-317	04/01/2004	PROFILE	220	220	61.2	61.2	8330N	2,4,6-TRINITROTOLUENE	NO*
G317DHA	MW-317	04/02/2004	PROFILE	230	230	71.2	71.2	8330N	4-NITROTOLUENE	NO*
G317DHA	MW-317	04/02/2004	PROFILE	230	230	71.2	71.2	8330N	PICRIC ACID	NO
G317DHA	MW-317	04/02/2004	PROFILE	230	230	71.2	71.2	8330N	2,4,6-TRINITROTOLUENE	YES*
G317DHA	MW-317	04/02/2004	PROFILE	230	230	71.2	71.2	8330N	NITROBENZENE	NO
G317DHA	MW-317	04/02/2004	PROFILE	230	230	71.2	71.2	8330N	2,6-DINITROTOLUENE	NO
G317DHA	MW-317	04/02/2004	PROFILE	230	230	71.2	71.2	8330N	2-NITROTOLUENE	NO
G317DIA	MW-317	04/05/2004	PROFILE	240	240	81.2	81.2	8330N	PICRIC ACID	NO*
G317DIA	MW-317	04/05/2004	PROFILE	240	240	81.2	81.2	8330N	2,6-DINITROTOLUENE	NO
G317DIA	MW-317	04/05/2004	PROFILE	240	240	81.2	81.2	8330N	NITROGLYCERIN	NO*
G317DMA	MW-317	04/05/2004	PROFILE	280	280	121.2	121.2	8330N	PICRIC ACID	NO
G317DNA	MW-317	04/05/2004	PROFILE	290	290	131.2	131.2	8330N	NITROGLYCERIN	NO*
G317DNA	MW-317	04/05/2004	PROFILE	290	290	131.2	131.2	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO*
G317DNA	MW-317	04/05/2004	PROFILE	290	290	131.2	131.2	8330N	4-NITROTOLUENE	NO*
G317DNA	MW-317	04/05/2004	PROFILE	290	290	131.2	131.2	8330N	2,6-DINITROTOLUENE	NO
G317DNA	MW-317	04/05/2004	PROFILE	290	290	131.2	131.2	8330N	PICRIC ACID	NO*
G317DNA	MW-317	04/05/2004	PROFILE	290	290	131.2	131.2	8330N	2,4,6-TRINITROTOLUENE	YES*
G317DNA	MW-317	04/05/2004	PROFILE	290	290	131.2	131.2	8330N	2-NITROTOLUENE	NO
G317DNA	MW-317	04/05/2004	PROFILE	290	290	131.2	131.2	8330N	3-NITROTOLUENE	NO*
MW-324-01	MW-324	03/25/2004	PROFILE	130	130	7	7	8330N	PICRIC ACID	NO
MW-324-01	MW-324	03/25/2004	PROFILE	130	130	7	7	8330N	PETN	NO
MW-324-01	MW-324	03/25/2004	PROFILE	130	130	7	7	8330N	NITROGLYCERIN	NO
MW-324-01	MW-324	03/25/2004	PROFILE	130	130	7	7	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-324-01	MW-324	03/25/2004	PROFILE	130	130	7	7	8330N	3-NITROTOLUENE	NO

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SAMPLE_ID	LOCID OR WELL	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	ANALYTE	PDA
MW-324-02	MW-324	03/25/2004	PROFILE	140	140	17	17	8330N	NITROGLYCERIN	NO
MW-324-03	MW-324	03/26/2004	PROFILE	150	150	27	27	8330N	PICRIC ACID	NO
MW-324-03	MW-324	03/26/2004	PROFILE	150	150	27	27	8330N	NITROGLYCERIN	NO
MW-324-03	MW-324	03/26/2004	PROFILE	150	150	27	27	8330N	3-NITROTOLUENE	NO
MW-324-03FD	MW-324	03/26/2004	PROFILE	150	150	27	27	8330N	3-NITROTOLUENE	NO
MW-324-03FD	MW-324	03/26/2004	PROFILE	150	150	27	27	8330N	PICRIC ACID	NO
MW-324-03FD	MW-324	03/26/2004	PROFILE	150	150	27	27	8330N	NITROGLYCERIN	NO
MW-324-05	MW-324	03/29/2004	PROFILE	160	160	37	37	8330N	1,3,5-TRINITROBENZENE	NO
MW-324-05	MW-324	03/29/2004	PROFILE	160	160	37	37	8330N	1,3-DINITROBENZENE	NO
MW-324-05	MW-324	03/29/2004	PROFILE	160	160	37	37	8330N	NITROGLYCERIN	NO
MW-324-05	MW-324	03/29/2004	PROFILE	160	160	37	37	8330N	3-NITROTOLUENE	NO
MW-324-09	MW-324	03/30/2004	PROFILE	190	190	67	67	8330N	NITROGLYCERIN	NO
MW-324-10	MW-324	03/30/2004	PROFILE	200	200	77	77	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
MW-324-10	MW-324	03/30/2004	PROFILE	200	200	77	77	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
MW-324-11	MW-324	03/30/2004	PROFILE	210	210	87	87	8330N	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	YES
MW-324-11	MW-324	03/30/2004	PROFILE	210	210	87	87	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
MW-324-11	MW-324	03/30/2004	PROFILE	210	210	87	87	E314.0	PERCHLORATE	
MW-324-12	MW-324	03/30/2004	PROFILE	230	230	107	107	E314.0	PERCHLORATE	
MW-324-13	MW-324	03/31/2004	PROFILE	240	240	117	117	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES*
MW-324-13	MW-324	03/31/2004	PROFILE	240	240	117	117	8330N	NITROGLYCERIN	NO
MW-324-13	MW-324	03/31/2004	PROFILE	240	240	117	117	E314.0	PERCHLORATE	
MW-324-13FD	MW-324	03/31/2004	PROFILE	240	240	117	117	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES*
MW-324-13FD	MW-324	03/31/2004	PROFILE	240	240	117	117	E314.0	PERCHLORATE	
MW-324-14	MW-324	03/31/2004	PROFILE	250	250	127	127	8330N	PICRIC ACID	NO
MW-324-14	MW-324	03/31/2004	PROFILE	250	250	127	127	8330N	2,6-DINITROTOLUENE	YES
MW-324-15	MW-324	04/01/2004	PROFILE	260	260	137	137	8330N	NITROGLYCERIN	NO
MW-324-19	MW-324	04/05/2004	PROFILE	310	310	187	187	8330N	PICRIC ACID	NO
MW-324-19	MW-324	04/05/2004	PROFILE	310	310	187	187	8330N	NITROGLYCERIN	NO

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MW-324-21	MW-324	04/05/2004	PROFILE	340	340	217	217	8330N	NITROGLYCERIN	NO
MW-325-01	MW-325	03/25/2004	PROFILE	86	86	8	8	8260B	CHLOROFORM	
MW-325-01	MW-325	03/25/2004	PROFILE	86	86	8	8	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-01	MW-325	03/25/2004	PROFILE	86	86	8	8	8330N	NITROGLYCERIN	NO
MW-325-01	MW-325	03/25/2004	PROFILE	86	86	8	8	8330N	1,3-DINITROBENZENE	NO
MW-325-01	MW-325	03/25/2004	PROFILE	86	86	8	8	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	NO
MW-325-01	MW-325	03/25/2004	PROFILE	86	86	8	8	8330N	PICRIC ACID	NO
MW-325-02	MW-325	03/25/2004	PROFILE	90	90	12	12	8260B	METHYL T-BUTYL ETHER	
MW-325-02	MW-325	03/25/2004	PROFILE	90	90	12	12	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-02	MW-325	03/25/2004	PROFILE	90	90	12	12	8330N	NITROGLYCERIN	NO
MW-325-03	MW-325	03/25/2004	PROFILE	100	100	22	22	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-03	MW-325	03/25/2004	PROFILE	100	100	22	22	8260B	CHLOROFORM	
MW-325-03	MW-325	03/25/2004	PROFILE	100	100	22	22	8260B	METHYL T-BUTYL ETHER	
MW-325-03FD	MW-325	03/25/2004	PROFILE	100	100	22	22	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-03FD	MW-325	03/25/2004	PROFILE	100	100	22	22	8260B	CHLOROFORM	
MW-325-04	MW-325	03/25/2004	PROFILE	110	110	32	32	8260B	CHLOROFORM	
MW-325-04	MW-325	03/25/2004	PROFILE	110	110	32	32	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-05	MW-325	03/25/2004	PROFILE	120	120	42	42	8260B	CHLOROFORM	
MW-325-06	MW-325	03/25/2004	PROFILE	130	130	52	52	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-06	MW-325	03/25/2004	PROFILE	130	130	52	52	8260B	METHYL T-BUTYL ETHER	
MW-325-07	MW-325	03/25/2004	PROFILE	140	140	62	62	8260B	METHYL T-BUTYL ETHER	
MW-325-08	MW-325	03/25/2004	PROFILE	150	150	72	72	8260B	METHYL T-BUTYL ETHER	
MW-325-08	MW-325	03/25/2004	PROFILE	150	150	72	72	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-09	MW-325	03/25/2004	PROFILE	160	160	82	82	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-09	MW-325	03/25/2004	PROFILE	160	160	82	82	8260B	METHYL T-BUTYL ETHER	
MW-325-10	MW-325	03/25/2004	PROFILE	170	170	92	92	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-10	MW-325	03/25/2004	PROFILE	170	170	92	92	8260B	METHYL T-BUTYL ETHER	
MW-325-10	MW-325	03/25/2004	PROFILE	170	170	92	92	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES

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MW-325-11	MW-325	03/25/2004	PROFILE	180	180	102	102	8260B	METHYL T-BUTYL ETHER	
MW-325-11	MW-325	03/25/2004	PROFILE	180	180	102	102	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	YES
MW-325-12	MW-325	03/25/2004	PROFILE	190	190	112	112	8260B	METHYL T-BUTYL ETHER	
MW-325-13	MW-325	03/29/2004	PROFILE	200	200	122	122	8260B	CHLOROETHANE	
MW-325-13	MW-325	03/29/2004	PROFILE	200	200	122	122	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-13	MW-325	03/29/2004	PROFILE	200	200	122	122	8330N	PICRIC ACID	NO
MW-325-13	MW-325	03/29/2004	PROFILE	200	200	122	122	8330N	NITROGLYCERIN	NO
MW-325-13FD	MW-325	03/29/2004	PROFILE	200	200	122	122	8260B	CHLOROETHANE	
MW-325-13FD	MW-325	03/29/2004	PROFILE	200	200	122	122	8260B	2-BUTANONE (METHYL ETHYL KETONE)	
MW-325-13FD	MW-325	03/29/2004	PROFILE	200	200	122	122	8330N	PICRIC ACID	NO
MW-325-13FD	MW-325	03/29/2004	PROFILE	200	200	122	122	8330N	NITROGLYCERIN	NO
MW-325-20	MW-325	03/30/2004	PROFILE	277.7	277.7	199.7	199.7	8330N	NITROGLYCERIN	NO
MW-325-20	MW-325	03/30/2004	PROFILE	277.7	277.7	199.7	199.7	8330N	PICRIC ACID	NO

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