

Final

Memphis Depot

BRAC Cleanup Team

Teleconference Minutes

June 15, 2004

BRAC Cleanup Team	Organization	Phone
Michael Dobbs	Defense Logistics Agency (DLA)/Defense Distribution Center (DDC)	717.770.6950
Turpin Ballard	Environmental Protection Agency, Region IV (EPA)	404.562.8553
James Morrison	Tennessee Department of Environment and Conservation, Division of Superfund (TDEC)	615.532.0910
Project Team	Organization	Phone
Bruce Railey	Corps of Engineers – Huntsville	256.895.1463
Tom Holmes	MACTEC Engineering	770.421.3373
Jim Kennedy	MACTEC Engineering	770.421.3402
Denise Cooper	MACTEC Engineering	901.767.1249
Steve Offner	CH2M Hill	770.604.9182 x302
Craig Sprinkle	CH2M Hill	770.604.9182 x383
David Nelson	CH2M Hill	770.604.9182 x645
Kinzie Gordon	Mitretek Systems	303.779.2664
John K. Miller	Mitretek Systems	703.610.2560

Field Activities

Mr. Holmes reported that all the wells have been installed at the MLGW locations. He will distribute the data upon receipt from the lab. MACTEC will shut down the recovery system next Monday, June 21. Mr. Holmes anticipates the team will collect samples Thursday to provide the “non-pumping” water levels. The system will be shut down again during July as part of the City’s E. Person road construction project.

Offsite Access

Mr. Holmes spoke with Mr. Ed Blocher regarding access to MLGW and Belz Corporation property to install the Dunn Field remedial action (RA). The schedule indicates RA construction will begin in February 2006, or sooner if possible. Given the time before access is necessary, Mr. Holmes suggested that Mr. Blocher did not need to schedule meetings with MLGW or Belz at this point. Mr. Blocher will provide MLGW and Belz the information memos CH2M Hill

prepared and will postpone meeting with them until later in the RD process. Property access will be included in the Master Schedule and tied to a point in the RD schedule such as submittal of the Intermediate RD.

Notice of Land use restrictions

Mr. Offner said he was working with Mr. Buddy Waggoner and Mr. David Buxbaum to prepare the Notice for submission to TDEC. CH2M Hill is working on two maps: 1) residual soil contamination and 2) residual groundwater contamination to accompany the Notice. Mr. Offner indicated Mr. Buxbaum planned to go to Nashville on Thursday, June 17, and would try to meet with the TDEC attorney with the draft Notice for a cursory review. Mr. Waggoner has the lead on preparing the Notice.

Dunn Field

Remedial Action (RA) Enhancements

Mr. Nelson reported that he had submitted a letter to Mr. Bruce Railey indicating why CH2M Hill proposed the 'frac'ing enhancement pilot test. The letter indicated that the cost savings could equal \$2 million if 'frac'ing were implemented during implementation of SVE due to reduced time to achieve the remedial action goals as the SVE system would not have to work as hard pulling air through the loess. 'Frac'ing would enhance the loess air permeability, which CH2M Hill proposes would reduce the time to cleanup and allow modification of the SVE pump specifications. The pump change out would be a cost benefit, but would not directly affect cleanup times. The other factor influencing the cost differential is the proposed 50% reduction in the number of vapor extraction wells if 'frac'ing was conducted during implementation of the ZVI injection remedy component.

The team discussed the schedule impacts of conducting the 'frac'ing pilot test. Mr. Ballard agreed to the pilot test if DDC decided to implement it. Mr. Ballard also indicated that the FFA did not require EPA to review pilot test work plans. The RD schedule may need to be revised to include performance of the SVE test prior to submittal of the Intermediate RD. Mr. Railey said he had forwarded Mr. Nelson's letter to Mr. Dobbs and would forward it to team. Mr. Dobbs said he would like to review the information and discuss it during Thursday's project team teleconference, especially if there was significant opportunity to save time and money.

Main Installation (MI)

Remedial Design (RD)/Long Term Monitoring (LTM) Wells

Mr. Holmes reported the team had worked with Mr. Ballard and resolved issues related to RD tables - Response Objectives Table 3.1 and Contingency Planning Tables 3.3 and 3.4. Mr. Holmes indicated additional investigation might be necessary near the suspected window through the intermediate aquifer to the Memphis Sand due to contamination levels at MW39 and MW39A and their proximity to the suspected window. There was also the question of contamination at MW62. Data from the upcoming installation of MW141 would provide more information about the area of the window. Mr. Ballard wanted to see MW141 data before discussing the necessity for more work near the suspected window.

Mr. Sprinkle said that the enhanced bioremediation treatment (EBT) implementation plan in the RD called for lactate injection at Target Treatment Areas 1 and 2 to be conducted for one year. The only potential change allowed to MACTEC would be the lactate solution concentration. He

said the idea was to minimize the number of variations for the first year to ensure saturation of the treatment zone. Adding new wells or changing the injection schedule should not be made for at least one year, and then MACTEC could recommend system changes.

Mr. Holmes reported that CH2M Hill would receive the most recent groundwater data before they finalize the performance monitoring well location figures for the RD. The RD will also include the rationale for placement of the performance monitoring locations in the event that access issues or new data necessitate changing the locations. He indicated that rather than having all the performance monitoring wells 40 feet down gradient from the lactate injection wells, performance monitoring wells also would be placed cross gradient and farther down gradient from the injection well arrays to better assess the effectiveness of the EBT response action.

Mr. Holmes said the team was back in the field and moving forward with the well locations proposed in the memo he had previously distributed to the team that included well locations and a DRI status report. The most recent data did not indicate the need to change the location for MW141 from the location discussed at the May BCT meeting. The team discussed drilling specifications for MW141.

Mr. Ballard opined the need for additional stratigraphic information around the southern end of the window because a sentinel well completed in the fluvial exceeded criteria. He wanted to know where the clay at the bottom of the fluvial ends and drops off. He wasn't worried about this until he saw concentrations in MW62 and MW39/39A that possibly indicated a significant difference in travel time for contamination heading into the window. Based on the new data, the team needs a better stratigraphic model of the area in order to establish effective sentinel well locations.

Mr. Holmes continued that DR 1-6 would be installed south of MW101. MACTEC will provide CH2M Hill the data from the DRI wells so they can finalize placement of the performance monitoring wells in the RD. They may also identify additional locations for placement of the performance monitoring wells based on the data.

Mr. Holmes confirmed the DQO for MW141 was to ensure no release to groundwater from the PCP dip vat area. He confirmed the drilling specifications for MW141 were to drill through the fluvial and the clay at the base of fluvial to the clay at the base of the intermediate aquifer. If there is no water in fluvial aquifer, the team will collect soil samples from the top of the clay and analyze for PCP.

Mr. Morrison told the team to be aware of the complex stratigraphy of area so that MW141 may not fulfill the DQO. Mr. Offner said that the information provided by the MW89/MW90 cluster, SB105, and MW141 would help the team determine the clay dip direction for the PCP dip vat area.

CH2M Hill will continue working on response to comments with Mr. Ballard and will distribute the final RD to the BCT for receipt on July 24, 2004.

Other

Mr. Nelson indicated that CH2M Hill sent the draft Dunn Field Land Use Control Implementation Plan (LUCIP) to DLA and the Army BRAC office for review.

Mr. Morrison does not have Adobe 6. The other team members have Adobe 6.

AI: Mr. Holmes to determine how and then to obtain Adobe 6 for Mr. Morrison.

Next Meeting

The BCT scheduled a meeting for July 20 and 21 at MACTEC with team building on the second day.

SIGNED 7/20/04
MICHAEL DOBBS DATE
Defense Logistics Agency/Defense Distribution Center
BRAC Environmental Coordinator
BRAC Cleanup Team Member

SIGNED 7/20/04
TURPIN BALLARD DATE
Environmental Protection Agency
Federal Facilities Branch
Remedial Project Manager
BRAC Cleanup Team Member

SIGNED 7/20/04
JAMES MORRISON DATE
Tennessee Department of Environment and Conservation
Memphis Field Office
Division of Superfund
BRAC Cleanup Team Member