

SITE MANAGEMENT TEAM MONTHLY CALL SUMMARY
FORMER DEFENSE DEPOT MEMPHIS, TENNESSEE
10 September 2019
10:30 EDT

LOCATION: Conference Call

ATTENDEES:

Army, Base Realignment and Closure Division (DAIM-ODB) – Jay Foster

CALIBRE BEC – Joan Hutton

USACE, Mobile – Bob Beacham (absent); Laura Roebuck; Melissa Shirley

TDEC Division of Remediation, DDMT Project Manager – Jamie Woods

U.S. EPA, Region 4, DDMT Project Manager – Diedre Lloyd

HDR EOC – Tom Holmes

Trinity – Todd Calhoun

GENERAL

MAIN INSTALLATION

Remedial Action - No current remedial action

SRI/Focused Feasibility Study (FFS)

Phase 4 Quality Assurance Project Plan (QAPP)

Mr. Holmes stated EPA and TDEC approved the SRI Phase 4 QAPP, and Revision 1 was submitted on 28 August. Fieldwork (drilling and well installation) began Monday, 9 September, and is planned to continue for three 10-day shifts, ending in the middle of October. The wells will then be developed and sampled with completion planned for the end of October.

Risk Assessment

Mr. Holmes stated that the additional data review is almost complete. Once the core of the plume issue is finalized, HHERA Revision 1 will be completed. The QAPP for additional sampling is being started this month.

Vapor Intrusion (VI) Study

Mr. Holmes reported that there was no progress on the Main Installation Vapor Intrusion (VI) study since the last call. Draft responses to EPA comments on the Jan 2019 Soil Vapor Sampling Memo have been prepared and need to be reviewed.

Additional SRI

Mr. Holmes stated that the planned vertical profiling with the membrane interface probe and hydraulic conductivity tool (MiHPT) has been completed. Unfortunately, the desired depth was not achieved due to the site geology. Two profiles were planned to be advanced to 150 feet, but the equipment could only reach depths of 113 feet (VP-01) and 120 feet (VP-02). The profiles are being

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reviewed for the preparation of a data report and for inclusion in the Conceptual Site Model (CSM) update.

Mr. Holmes stated that the data review for the CSM update has been performed. HDR has started preparation of the report.

Regarding the groundwater model CSM, Mr. Holmes stated that the responses to the U.S. Geological Survey (USGS) technical comments were submitted in August. Jack Carmichael of USGS has accepted the responses. HDR still needs to complete review of the editorial comments; USGS had recommended changes to make the terminology more similar to theirs.

Mr. Holmes stated that the soil vapor extraction (SVE) well was installed on 23 August in the TTA-2 area. Set-up and testing was completed and standard operations began on 29 August. The initial effluent concentrations of the major chlorinated volatile organic compound (CVOCs) were high and similar to the previous VMP results; the VOCs present were the same as detected in groundwater, primarily trichloroethene (TCE), carbon tetrachloride and chloroform. Based on the concentrations, the pilot test should have a good effect. Mr. Holmes stated that the discharge rate for VOCs in the effluent was approximately 0.11 pound per hour, which was slightly above the Shelby County Health Department (SCHD) permit criteria of 0.1 pounds per hour. The dilution valve was opened to decrease the flow from the well and bring in more ambient air. Doing so reduced the VOC discharge to 0.08 pounds per hour. VOC concentrations in the effluent and the discharge rate should decrease over time. Two additional effluent samples were collected on 9 September, one with the dilution valve closed and the other with the valve fully open. The SVE system will continue with the dilution valve open until the results are received. The sample results and calculated discharge rates will be submitted to SCHD and the project team.

Mr. Holmes stated that the FU4 Garden samples were collected on the Barnhart Crane property on 26 August and sent to the laboratory for analysis.

DUNN FIELD

Remedial Action

Mr. Calhoun stated that upon arrival to conduct AS/SVE system monitoring at the end of August, a problem with the SVE blowers was noticed. The air sparge (AS) wells were operating with the AS manifold open and the SVE blowers were indicated by the system controls to be operating, but were not. The AS manifold was subsequently closed and both SVE blowers switched off. Inspections were conducted by Kaeser and Tristate Armature (TSA) on 28 August and again by TSA on 29 August.

The problem was traced to the programmable logic controller (PLC) and troubleshooting determined that an Ethernet port had failed. Additionally, a programming issue was noted which prohibited the SVE blowers from operating when the system was placed in manual mode even through the PLC recognized the change. TSA is working with PLC programmer and hardware supplier, Joe Combs, to replace the PLC and reinstall the operating program. Replacement parts were ordered on 6 September and will be installed upon receipt. The AS manifold was scheduled to be closed for

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September. Blower operation will resume once the PLC problem is corrected, and the AS manifold will be opened in late September

Ms. Lloyd asked how long the error had been occurring. Mr. Calhoun stated that the error was noticed on 27 August, but work was being done in the AS/SVE area on 26 August with no problems observed.

Mr. Calhoun stated that the Year 8 Semiannual Report is being reviewed by EPA and TDEC. Any comments will be incorporated into the annual report. Mr. Calhoun expects to submit a draft of the annual report for Army review by the end of September.

Ms. Hutton stated that she had just received legal comments from USACE Mobile regarding access agreements with Memphis Light, Gas and Water (MLGW). Ms. Hutton believes the next step will be to have a phone call with Buddy Wagner of USACE Office of Counsel and Charlotte Knight Griffin of MLGW to resolve the comments. Ms. Lloyd offered that she was willing to be on the call if that would facilitate resolution. Ms. Hutton thanked her and said she thought that would be helpful.

Offsite Investigation

Mr. Holmes stated that the Offsite Investigation QAPP, Revision 0 was submitted on 16 July. HDR is continuing to make contact with the property owners to obtain access agreements. Fieldwork is tentatively scheduled for November.

LONG TERM MONITORING (LTM)

Mr. Holmes stated that the 2018 LTM Annual Report and the April 2019 LTM Report are out for review. Any comments on the April 2019 LTM Report would be included in the next annual report.

Mr. Holmes noted that the semiannual LTM sampling would be conducted in early October.

OTHER ISSUES

Mr. Holmes stated that the Annual Site Inspection was completed, with the report submitted to EPA and TDEC on 27 August.

Mr. Holmes stated that HDR is continuing to work on the Administrative Record (AR) / Information Repository (IR). The IR print copies have been scanned, and the IR CDs will be produced this month. HDR is continuing to work with Army Data Management staff to complete the submission of the AR to the National Archives for long-term storage.

Mr. Holmes stated that HDR is continuing to work on the response to comments on the Community Information Plan.

Mr. Holmes said there were no calls in August to the Community Information Line.

Ms. Hutton brought up the closure of HDR task order CK04 and asked USACE to discuss remaining work. Ms. Roebuck stated that the Period of Performance (POP) expired on 3 September and all work should be complete. However, there is a little bit of time for final paperwork. Ms. Lloyd stated she will review the 2018 Annual LTM Report in the next two days. Ms. Hutton stated that would be

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helpful as it will allow Revision 1 of the report to be prepared completing that portion of the task order.

Ms. Hutton noted the Submittal Schedule was sent to team members on 9 September. Ms. Hutton stated that the highest priority document is the Offsite Groundwater Investigation QAPP, given that fieldwork is scheduled for November. (The current list from the agenda is shown below.)

Ms. Hutton stated that she appreciated Ms. Lloyd's email about the Human Health and Ecological Risk Assessment (HHERA) core of the plume revised memorandum. She understands that Ms. Lloyd will send the memorandum to the EPA risk assessors for comment.

Mr. Woods asked if there was any update on Lake Danielson. The small lake near the golf course had a dam breach in July. Mr. Woods worked with Vince Alfonso of Memphis Athletic Ministries (MAM) to discuss what correction would need to occur. MAM is to submit a work plan to TDEC ahead of any repair or rebuilding of the dam to ensure they are in compliance with TDEC policies, but to date Mr. Woods has not received one.

Next Meeting

The next call will be Tuesday, 8 October at 10:30 AM EDT, 9:30 AM CDT, and 8:30 AM MDT. The dial-in number will be 800-207-9558, and the access code will be 2049034#.

Prioritized List of Documents for Regulatory Review

1. Offsite Groundwater Investigation QAPP (submitted by 11 July)
2. Annual LTM Report – 2018 (submitted 18 March)
3. VI Indoor Air Sampling QAPP (submitted 24 April)
4. Off Depot AS/SVE, Year 8 Semiannual Operations Report (submitted 5 June)
5. April 2019 LTM Summary Report (submitted 6 August)