

**SITE MANAGEMENT TEAM MONTHLY CALL SUMMARY  
FORMER DEFENSE DEPOT MEMPHIS, TENNESSEE**

**9 January 2018**

**10:30 AM EDT**

**LOCATION:** Conference Call

**ATTENDEES:**

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

CALIBRE BEC – Joan Hutton

USACE: Mobile – Laura Roebuck

TDEC Division of Remediation, DDMT Project Manager – Jamie Woods

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

HDR EOC – Tom Holmes

Trinity – Todd Calhoun

**GENERAL**

Mr. Foster asked Ms. Hutton when the appraisals and United States Army Corps of Engineers (USACE) actions would begin. Ms. Hutton replied that the funds were authorized on 25 October 2017 to HQ USACE and are in place. Ms. Hutton will follow up with the people conducting the boundary survey and the new appraiser to get an estimate on when the work can be completed. Ms. Hutton estimated the time required to be 45 to 60 days.

Mr. Foster stated that it would be beneficial for someone from the team to be onsite with the appraiser and he would support the associated costs. Ms. Hutton stated an appraisal was conducted in 2011 but the environmental conditions of the property were not taken into account. Ms. Hutton will make sure the new appraiser receives the read-ahead package sent to the previous appraiser summarizing the environmental actions to date.

Ms. Hutton stated that she forwarded the draft Memphis Light, Gas and Water (MLGW) Board of Commissioners letter to Mr. Foster. Mr. Foster wants additional Army personnel to review the letter and will provide an answer to Ms. Hutton this week if possible. Ms. Hutton noted that the retiring MLGW president is still in place and suggested sending a copy of the letter to him first. Mr. Foster agreed and stated if the current MLGW president does not respond, the letter will be sent to the board members.

Mr. Woods stated he sent the MLGW access information provided by Ms. Hutton to TDEC's attorney for review. Ms. Hutton stated that once review of the MLGW letter is completed in the BRAC office, she will provide it to Mr. Woods.

**MAIN INSTALLATION**

**Remedial Action** - No current remedial action

**Supplemental Remedial Investigation (SRI)/Focused Feasibility Study (FFS)**

Mr. Holmes stated that the SRI Phases 1 and 2 report is in regulatory review.

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Mr. Holmes stated that the Phase 3 Quality Assurance Project Plan (QAPP) is also in regulatory review and stated that the Army will be working with Mobile to obtain offsite well access.

Mr. Woods stated he will provide comments on the SRI Phases 1 and 2 report and Phase 3 QAPP by the end of the week.

## **Risk Assessment Update/Review**

Mr. Holmes stated the Risk Assessment Update is in internal review and final comments are expected to be received this week. HDR will complete responses to the internal comments and, following approval, submit the report to EPA and TDEC. Responses to agency comments (RTCs) on the Risk Assessment Scope Memo will be submitted at the same time.

## **Groundwater Model**

Mr. Holmes stated he spoke with Mr. Carmichael (United States Geological Survey [USGS]) on 22 December 2017 and Mr. Carmichael stated he could not provide MLGW data that is not already available to the public. Mr. Carmichael noted that Mr. Kingsbury (USGS), who prepared a 1996 USGS report on potentiometric surface of the Memphis Aquifer (MAQ), has another report in final review with potentiometric surfaces from 2005, 2010 and 2015; Mr. Carmichael believes DDMT MAQ well MW67 was used for water levels in the upcoming report. Mr. Holmes asked if a draft copy could be provided; Mr. Carmichael doubted that was possible but agreed to check.

Mr. Holmes discussed with Mr. Carmichael the difference in groundwater elevations at the DDMT MAQ wells, which are installed in the upper 20 feet of the Memphis sand, and the potentiometric surface elevations in the 1996 Kingsbury report. Mr. Carmichael stated USGS considers the Memphis sand to be homogenous with consistent water levels throughout.

Mr. Woods asked if the DDMT water levels were higher than shown in the 1996 USGS report. Mr. Holmes responded that he believes they were lower and that the SRI Phases 1 and 2 report noted the result was a higher gradient. (Note: Review of the SRI report shows DDMT MAQ wells have groundwater elevations 20 to 25 feet higher than indicated by the 1996 Kingsbury report.) Mr. Woods asked if water levels in MW-67 have changed much over the time. Mr. Holmes responded that the 2016 LTM annual report provides trend charts of the water levels and that the water levels have generally been going up although the levels fluctuate in the MAQ and IAQ between fall (October) and spring (April) measurements. Mr. Holmes did not know how much of that fluctuation has been due to change in recharge or to increased pumping in summer and fall. Mr. Holmes stated that there is little seasonal variation in the Fluvial aquifer wells, and most wells have had an upward trend for the past several years.

Mr. Holmes will provide Mr. Carmichael the Conceptual Site Model once it is approved and will ask him to let HDR know if he is aware of additional data that would assist in the MI groundwater model.

Ms. Hutton stated that the Army is discussing an alternative due to difficulty in obtaining hydrogeological information for the model. Army is considering installation of a monitoring well at a location close to the Allen Well Field; the well would be used to monitor water level in the MAQ.

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Ms. Hutton stated that they need to consider the depth and screened interval of the pumping wells in order to properly construct the monitoring well to retrieve reliable data; the well installation cost also needs to be estimated. Ms. Hutton stated she and Ms. Roebuck have discussed the possibility of deleting a well or two from the current SRI program and using that funding to install an MAQ well near the Allen Well Field.

## **Vapor Intrusion – Soil Gas Sampling**

Mr. Holmes stated that the Soil Gas Sampling QAPP is in regulatory review.

## **DUNN FIELD**

**Remedial Action** - AS/SVE system operating

### **Status of AS/SVE operations**

Mr. Holmes stated that the air sparge manifold was closed after the quarterly sample was collected on 5 December 2017. Ms. Cooper checked the site on 22 December 2017 and the outside condensate tank was almost filled; Mr. Holmes noted the volume of condensate from SVE wells increases in cold and rainy weather. Ms. Cooper turned off the blowers before she left town to prevent an overflow and the water tank became completely frozen with the recent very cold weather. Mr. Holmes stated that HDR is waiting for the tank to thaw out so it can be pumped and operations resumed. Mr. Holmes stated that the air sparge manifold is scheduled to be open again in the middle of January. Ms. Cooper will attempt to pump out the tank later this week before temperatures drop below freezing again.

Mr. Holmes stated the first semi-annual report for AS/SVE Year 7 is in internal review.

## **Final MIP Survey Report**

Mr. Calhoun stated the responses to EPA comments were sent to Ms. Lloyd on 14 December 2017.

## **TDEC Well Data Memo/Additional Investigation**

Mr. Hutton stated that the Data Collection at TDEC Off-Site Wells Memo is a secondary document and was submitted to the regulators on 1 December 2017 with comments due on 29 January 2018.

Mr. Holmes stated that the Army is working on the additional investigation for the scope of work. Mr. Woods stated that TDEC will work on getting well WB-4 closed.

## **Site Management Plan**

Mr. Holmes stated that the 2018 Site Management Plan was submitted for regulatory review on 8 January 2018.

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## **LONG TERM MONITORING**

### **2017 Annual LTM Report**

Mr. Holmes stated that the 2017 Annual LTM Report is in preparation and will be submitted for internal review in the next couple of weeks.

## **OTHER ISSUES**

### **Five Year Review**

Ms. Hutton stated that the goal is to have the current five-year review signed by the EPA Regional Director by 23 January 2018. Ms. Hutton stated that Ms. Lloyd scheduled a briefing with internal reviewers and is optimistic that she can meet the turnaround time on the five-year review.

Mr. Holmes stated that responses to comments received from Ms. Lloyd and Mr. Woods were submitted with the revised FYR document. Mr. Holmes noted that the current signatory for BRAC is listed as James Briggs. Mr. Foster confirmed that Mr. Briggs was appropriate.

Mr. Woods stated that he concurred with the RTCs for the five-year review and will send the approval letter to Mr. Holmes and Ms. Hutton.

### **Community Information Line Update**

Ms. Hutton stated that a call was received from Jessie Blakely on 21 December 2017. Mr. Blakely had previously filed a claim for damages with the Ft. Campbell staff judge advocate office in 2016. Mr. Blakely has since moved to Mississippi and called the Community Information Line on the 21 December asking how to re-file the claim since he had done his own research on contaminants and believes that a number of the health effects that his family has are possibly correlated to the groundwater contamination. Ms. Hutton stated that Mr. Blakely said that the \$25,000 payout of the claim wasn't enough. Ms. Hutton stated that Ms. Cooper told Mr. Blakely that he needed to contact Ft. Campbell and that she had no other information.

Mr. Holmes stated that a call was received from a former Depot employee regarding the EnviroNews on 19 December 2017. Ms. Hutton stated that the comment from the former Depot employee was that there were a lot of acronyms used and there wasn't a lot of substance. Ms. Hutton stated that Ms. Cooper responded to the call, assured the former employee that there was good progress on remediation and he seemed to be satisfied, with no further action required.

### **EnviroNews**

Mr. Holmes stated that the EnviroNews was mailed out on 15 December 2017.

### **Submittal Schedule**

Ms. Hutton sent out an updated revised submittal schedule on 8 January 2018. Ms. Hutton stated that the Site Management Plan was added to the schedule; it is a primary document and, according to the FFA, has a 30 day turnaround with comments due on 7 February 2018.

### **Action Items**

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- Mr. Holmes to provide the Conceptual Site Model to Mr. Carmichael once it is approved by the Army; responses to internal comments will be provided before the next monthly call.
- Mr. Woods to provide comments to the SRI Phases 1 and 2 Report by the end of the week. - Completed.
- Mr. Woods to provide comments to the SRI Phase 3 QAPP by the end of the week. – Completed.
- Mr. Woods to provide comments on the Soil Gas QAPP before the next monthly call.
- Mr. Woods to send the approval letter for the RTCs and revised five-year review. – Completed.
- Mr. Woods will follow up with the TDEC attorney regarding the MLGW access issues.
- Ms. Hutton will provide the MLGW letter to Mr. Woods once it has been reviewed by the Army.
- HDR will drain the AS/SVE tank when it thaws.