Crysler, Ruby

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Sent: Friday, October 21, 2016 8:39 AM
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Cc: Jacqueline Grunau
Subject: McConnell AFB PBR: 18 October 2016 Project Status Meeting Minutes
Attachments: 18OCT16_Regulator Project Status Meeting Mins.pdf

Categories: Record Saved - Shared

All,

The above referenced minutes are attached.

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McConnell AFB PBR
Project Status Meeting Minutes

Meeting Date: 18 October 2016

Meeting Time: ~0900 to 1115 hrs.

Participants:
Ruby Crysler, EPA
Jacqueline Grunau, KDHE
Chung Yen, AFCEC (phone)
Cole Knight, McConnell AFB (phone)
Sheldon Blair, McConnell AFB (phone)
Andrea Sansom, USACE (phone)
Brian Wight, URS Group, Inc.
Mike Krause, URS Group, Inc.
Ryan Mowan, URS Group, Inc. (phone)

These minutes document the discussions during the McConnell Air Force Base (AFB) Performance Based Remediation (PBR) project status meeting held from about 0900 hours to 1115 hours on 18 October 2016 at Environmental Protection Agency (EPA) Region 7.

Injection Status

- The injection status at OT547 and ST017 was discussed.
- Two crews are currently working at OT547 South: one crew at the north end around and inside Building 710 and one crew at the south end just north of Building 1. As of 16 October 2016, 48 of 178 injection points have been completed with no significant issues occurring during implementation. The remaining injection points will take approximately 6 weeks to complete. Performance monitoring will begin after all planned injection points are completed.
- One crew is currently working at ST017. As of 16 October 2016, 21 of 48 injection points have been completed with no significant issues occurring during implementation. The remaining injection points will take approximately 2 weeks to complete. Performance monitoring will begin after all planned injection points are completed.

Injection IM WP Status

- The status of the review of the SS003 and LF011 Interim Measure (IM) Work Plans (WP) was discussed.
- The Kansas Department of Health and Environment (KDHE) has yet to provide comments on the LF011 IM WP. The Environmental Protection Agency (EPA) has yet to provide comments on the SS003 and LF011 IM WP. Injections will start at these sites following completion of injections at OT547 South, around or after Thanksgiving.
- The OW026 and OW041 injection designs were discussed.

- The IM WP for OW026 and OW041 is currently in review with the United States Army Corps of Engineers (USACE) and Air Force. Following review, the IM WP will be transmitted to EPA and KDHE for review. Oxidant injections will be completed at both sites. Baseline sampling was completed at both sites in August/September 2016.

- Injections at OW026 are planned to start following completion of injections at ST017 in approximately 2 weeks. Injections at OW026 will be completed in 4 intervals from 11 to 25 feet below ground surface (bgs). An additional injection point will be added between and up-gradient of injection points OW26-IP02 and OW26-IP04. If additional injections are needed to address residual chlorinated volatile organic compound (VOC) contamination remaining after treatment of fuel contamination, the type of injection (oxidant or zero-valent iron) will depend on where the chlorinated VOCs were detected (e.g., closer to the OT547 South chlorinated VOC plume versus closer to the location of the former oil/water separator).

- Injections at OW041 are planned to start following completion of injections at OW026 in approximately 1 month. Injections at OW041 will be completed in 4 intervals from 26 to 40 feet bgs. Additional injection points will be added as follows: 1 point northeast of OW41-MW05, 3 points along the southern trichloroethene (TCE) plume boundary, and 1 point along the eastern TCE plume boundary between OW41-IP28 and OW41-MW07. Due to the registration of Building 9 as a historical building, coordination is ongoing with the Kansas State Historic Preservation Office to inform of potential impacts to the building as part of the injection activities.

OW545: Former Building 980

- The proposed location of an additional MW was discussed.

- EPA and KDHE would like to table the decision of the need for and potential location of a new monitoring well until the replacement monitoring wells are plotted.

- The replacement monitoring wells around the new hangars have been installed. A hand off meeting is scheduled for 20 October 2016.

LTM Plan – LTM vs Performance Monitoring Analytical List

- The Long-Term Monitoring (LTM) volatile organic compound (VOC) list update was discussed.

- EPA and KDHE would like to review the comparison list in more detail. URS will provide the native file to EPA and KDHE.

- EPA and KDHE stated any new well installed needs to be sampled for Full VOC List

- A provision will need to be included in the new LTM plan for periodic review of the VOC list with the ability to add and/or remove constituents.

- EPA and KDHE suggested adding FT007 to the list of sites to be analyzed for the VOC LTM List.

- URS will add this year's injection sites to the plan.

- The plan is currently written for metals sampling to continue at sites where it is completed in the existing LTM Plan. EPA and KDHE would like add metals sampling for all in situ chemical oxidation (ISCO) sites.

- The sampling plan for individual sites will be discussed at a future meeting.

OW578: Soil Farm No. 2 Sampling

- The status of OW578 was discussed.

- No VOCs were detected in soil. Only the semivolatile organic compound (SVOC) benzo(b)fluoranthene was detected in soil above its EPA Regional Screening Level (RSL) for residential soil, but significantly below the KDHE residential soil Risk-Based Standards for Kansas (RSK). Currently, no unacceptable risk for a resident is present at the site; however there are a limited number of samples.

- URS asked if any additional sampling was needed. EPA would like to discuss further with risk assessment staff (Ann Jacobs) before completing additional field work.

FT004: Fire Training Area No. 4 – Monitoring Well Installation Status

- The monitoring installation schedule was discussed.

- Three days are scheduled starting 1 November 2016 to install, develop, and sample three monitoring wells at FT004. A variance is needed in order to install, develop, and sample the monitoring wells in a shorter time period than typically done due to access restrictions. EPA and KDHE agreed that the variance is acceptable. The variance will be notated in the report.

ID638: Building 1346 Former Septic System – Monitoring Well Installation Status

- The status of the monitoring well installation was discussed.

- The additional monitoring well was installed, developed, and sampled. Analytical results are pending and will be presented at a future meeting.

SS004: Spill Site 4

- The turbidity concerns due to development were discussed. Turbidity measured during sampling was between 10 and 20 Nephelometric Turbidity Unit (NTUs) for all monitoring wells.

- Sampling at former points TW02, TW04, and TW05 was discussed. Sampling has been completed. Analytical results are pending and will be presented at a future meeting.

- An updated soil sample results table was provided to EPA and KDHE with the correct screening values.

SS031: Spill Site 31 (SWMU 174)

- The risk rounding and risk driver was discussed.

- Risk at the site for groundwater was updated to be 1.1 for the hazard index with one detection of heptachlor epoxide from a monitoring well driving risk. The three existing monitoring wells will be resampled and the risk will be updated.

1,4-Dioxane On Base Sampling Locations

- The proposed 1,4-dioxane sampling at on Base sites, except SWMU 207 (SS544), was discussed.

- A monitoring well from the source area and downgradient edge of plumes was selected for sampling at each site. Historical maximum detections were considered in selecting the source area monitoring well. Selection of sample locations was completed in accordance with current Air Force approach.

- Currently, URS is responsible for completing a one-time sampling event and associated reporting. If there are detections of 1,4-dioxane, the Air Force will propose a path forward.

- The question was asked if 1,1,1-trichloroethane (1,1,1-TCA) had been detected on Base. URS will confirm if 1,1,1-TCA was detected on Base. (Note: Although not discussed during the meeting, URS confirmed that 1,1,1-trichloroethane has not been detected at any of the sites.).

- At FT007, monitoring well FT07-MW13R will be considered for sampling instead of monitoring well FT07-MW18 after reviewing historic TCE results.

- At SS001, monitoring well SS01-MW11R will be considered for sampling instead of monitoring well SS01-MW23R after reviewing historic TCE results.

- At LF034, sampling will move from monitoring well LF34-MW16 to monitoring well LF34-MW17.

- AT OT547, monitoring well OT547-MW52 inside Building 710 will added for sampling.

- At OW633, monitoring well OW633-MW30 will be added for sampling.

Risk Assessment Terminology Tech Memo Status

- The status of the risk assessment tech memo was discussed.

- The risk assessment tech memo has been fixed to address remaining outstanding issues and will be transmitted out sometime this week.

Other

- The final background metals study report will be transmitted this week.

- The new monitoring well at OW037 has been installed, developed, and sampled. Results are pending and will be presented at a future meeting.

- The winter field schedule is as follows: planned injections will continue until they are completed (estimated through January), performance monitoring will continue as scheduled, supplemental investigation will occur at SS548 (Building 971), the planned excavation at OW627 may be completed.

- URS will check with the contract lab to determine if they can lower their screening level for total petroleum hydrocarbon-medium-range hydrocarbon analysis.

- Cole (McConnell AFB) asked if KDHE and EPA held a meeting on their respective Resource Conservation and Recovery Act (RCRA) Permit roles after issuing the new permit. EPA stated KDHE is planning on issuing the permit. Cole (McConnell AFB) stated the drafted permit will have to go through Air Force Legal Operations Agency (AFLOA) review.