



RESTORATION ADVISORY BOARD MEETING MINUTES

Dated 27 October 2021

Meeting Description: RAB Meeting via Conference Call
Date: 27 October 2021
Time: 6:00 pm – 6:36 pm

RFP Description: Environmental Remediation Services
Contract #: W91ZLK-13-D-0009
Task Order #: 0014

Participants	Organization and Title
Tenaya Tuteur	California Department of Toxic Substances Control (DTSC) Project Manager
Cortney Carrier	Sierra Army Depot (SIAD) Installation Restoration Program (IRP) Manager and Military Munitions Response Program (MMRP)
Scott Armstrong	CALIBRE
Joan Hutton	CALIBRE
Cortney Flather	Lassen County Natural Resources Technician
Hoa Voscott	PIKA Arcadis JV Project Manager
Emily Sheu	PIKA Arcadis JV Technical Lead

AGENDA

- 1) Introductions (All)
- 2) Groundwater Remedial Sites (JV)
- 3) Honey Lake Status (CALIBRE)
- 4) IRA and 7-Sites LTM (JV)
- 5) Open Discussion – (Group)

INTRODUCTIONS (All)

The list of participants is summarized above. Meeting minutes summarize the main conclusions and actions from the meeting and does not capture all the discussions and back and forth discourse between the participants.



Hoia presented the minutes from the previous RAB meeting on October 20, 2020; noted that John Steude with the Lahontan Regional Water Quality Control Board has retired. Minutes were approved.

GROUNDWATER REMEDIAL SITES (JV)

Hoia provided an overview of the four sites with groundwater contamination:

Presented Building 210 (largest site):

- Compared the 2009 and 2020 trichloroethene (TCE) plume maps. Noted that the 2009 map represents concentrations prior to implementation of the full-scale enhanced reductive dechlorination (ERD) treatment. Noted significant treatment progress in plume core area.
- Provided overview of injection network layout.
- Summarized current injection program. Note that injections for 2021 have largely been completed.
- Presented performance data for B21-66-PZ as an example. Noted that total organic carbon (TOC; “food source” for microbes) and methane concentrations are high demonstrating good conditions for ERD. Have seen cis-1,2-dichloroethene (DCE) production. TCE concentrations are slightly greater than clean-up levels (13.5 micrograms per liter [$\mu\text{g/L}$] compared to baseline concentrations on the order of 1,000s of $\mu\text{g/L}$).
- Presented performance data for B21-39-PZ.
- Will continue injection and monitoring programs.
- Presented monitoring and reporting schedule.

Hoia presented ALF/SSA:

- Noted TCE concentrations are lower at this site compared to Building 210 site.
- Summarized current monitoring program (injections discontinued in 2015).
- Presented results for ALF-02-MWA (noted that TOC remains elevated even through injections were discontinued several years ago; TCE concentrations are currently less than the clean-up level).
- Summarized monitoring and reporting schedule.

Hoia presented DRMO Trench Area:

- Noted that source is open trench. Noted that current high (greater than 100 $\mu\text{g/L}$) concentrations are limited to area of DMO-05 and DMO-19-MWA.
- Presented results for DMO-19-MWA (TCE concentration reduction observed after the most recent injection in 2021; noted that TCE concentration reduction to less than the clean-up level has been achieved at this well in the past but TCE increased when injections were discontinued for rebound monitoring).
- Presented results for DMO-04-MWA.
- Summarized monitoring and reporting schedule.



Hoa presented TNT Leaching Beds Area:

- Noted that TCE plume is relatively localized. TCE concentrations in TNT-10-MWA (in source area) have been maintained at less than the clean-up level.
- Presented results for TNT-10-MWA (TCE has been less than the clean-up level for several monitoring events).
- Presented results for TNT-21-MWA (elevated TOC and methane; TCE concentrations decreased following most recent injection event and expected to continue to decrease).

HONEY LAKE STATUS (CALIBRE)

Joan presented the Honey Lake Status:

- Scott is planning to make a site visit and will check the competency of the lake bed. Need to be able to drive onto the lake bed to check the signage; hope to be able to do that in 2022.
- Would like to convert the 2006 Action Memorandum into a ROD (potentially will start this process in 2022; still under discussion).

IRA AND 7-SITES LTM (JV)

Hoa presented on MMRP sites:

Inactive Railroad Area (IRA)

- Preliminary Assessment and limited Site Investigation (SI) were completed.
- SI Report accepted by the DTSC on June 9, 2021.

Long-term monitoring ongoing for 7 MMRP sites:

- Annual inspection/repairs completed in April 2021. Minor repairs were completed (replaced signs, repaired broken/loose wires). Approximately 100 signs are fading but still functional and are recommended to be replaced in 2022.
- Cortney provided some background on the sites. Noted that fencing/signage are to prevent public access to the sites due to potential unexploded ordnance.
- Annual inspection report accepted by the DTSC on October 21, 2021.
- More detailed inspection planned for the summer of 2022.

OPEN DISCUSSION (Group)

- Cortney noted that the Army is investigating PFAS at the Depot and that impacts are limited to supply wells serving the Depot.
- Hoa noted that meeting minutes will be prepared and a draft sent out for feedback.

End of RAB meeting at about 6:36 pm.