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## RESTORATION ADVISORY BOARD MEETING MINUTES

Dated 20 October 2020

**Meeting Description:** RAB Meeting via Conference Call  
**Date:** 15 October 2020  
**Time:** 6:00 pm – 7:05 pm

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

<b>Participants</b>	<b>Organization and Title</b>
Tenaya Tuteur	California Department of Toxic Substances Control (DTSC) Project Manager
John Steude	Lahontan Regional Water Quality Control Board (LRWQCB) Engineering Geologist (on the phone)
Cortney Carrier	Sierra Army Depot (SIAD) Installation Restoration Program (IRP) Manager and Military Munitions Response Program (MMRP)
Scott Armstrong	CALIBRE
Joan Hutton	CALIBRE
Vijay Chennoju	PIKA Arcadis Joint Venture (JV) Project Manager
Hoa Voscott	PIKA Arcadis JV Project Manager
Emily Sheu	PIKA Arcadis JV Technical Lead
Janet	Public participant - mycajanet@gmail.com

### AGENDA

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



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## **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.

We had one public participant (Janet) and the Agenda and presentation were emailed to her personal email address. Cortney asked if Janet would be willing to be added to RAB board. Cortney asked if everyone approves with the last meeting minutes. Everyone concurred from DTSC and Water Board.

## **GROUNDWATER REMEDIAL SITES (JV)**

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

Presented Building 210:

- Plume originating in Building 210 area. Trichloroethene (TCE) contamination in groundwater (at ~100 feet). Plume has extended off-site into Doyle Wildlife Area. TCE is the main contaminant of concern. Extensive monitoring network and remediation system in place.
- Provided an update on the new monitoring well installation work. Installation work (4 new wells) completed in summer of 2019.
- Presented remediation system layout. Multiple injection wells used to inject molasses mixture (to provide food source for microbial population in groundwater).
- Presented an overview of the injection activities. 2020 injections anticipated to be completed in October.
- Presented performance at Transect 1. Explained that pH, methane, TOC, and TCE (and breakdown products) are monitored.
- Observed rebound at Transects 1 and 4N; have resumed injections at these transects.
- Increased carbon dosing at Transects 5 and 6 to address sub-optimal TOC/methane levels observed in performance wells.
- Continue to monitor Transects 2 and 3.

Hoa presented ALF/SSA (in the Motor Pool Area):

- Injections discontinued in June 2015 (TCE concentrations significantly reduced). Ongoing monitoring.
- Discussed trends at several wells. Noted some rebound observed in ALF-02-MWA; however, TCE has since decreased to less than MCL.
- Will continue semiannual monitoring. Expect concentrations to remain stable or continue to decrease.



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Hoa presented DRMO Trench Area:

- Cortney described as south of warehouse areas.
- Source was discharge to open trenches. Previous activities included soil excavation and ongoing SVE being implemented. Also groundwater impacts.
- Discussed recent additional investigation of B-zone groundwater and installation of new B-zone monitoring well DMO-06-MWB. Will continue to monitor new well.
- Past ERD injections have been effective. Currently doing rebound monitoring.
- Discussed results at DMO-05-MWA.
- Discussed results at DMO-19-MWA. Saw rebound in TCE in April 2020. Will consider whether injections are necessary in 2021 (potentially a focused injection).
- Discussed results at DMO-04-MWA.
- Discussed perchlorate results. Agreed to discontinue perchlorate sampling at a few wells to eliminate redundancy in monitoring program.
- Reviewed schedule.

Hoa presented TNT Leaching Beds Area:

- Contaminants of concern include TCE and explosive compounds. No active remediation for explosive compounds (remedy is monitored natural attenuation).
- New well installed to help delineate RDX plume (TNT-22-MWA).
- Described ongoing injection activities in focused area.
- Discussed results at TNT-10-MWA.
- Discussed results at TNT-21-MWA. TCE concentrations decreased following 2019 injections, but have since increased. Have completed 2020 injections.
- Injections completed in June 2020.
- As an overview, monitor twice per year. Continuing injections at two sites.

### **HONEY LAKE STATUS (CALIBRE)**

Joan presented the Honey Lake Status:

- The Honey Lake area is still inundated (work is still on hold).
- Funding has been pushed to extreme out years due to lack of risk associated with site.
- Cortney noted that Honey Lake has diminished significantly due to lack of rainfall.
- Scott noted that once water has receded, they will need to check signage.
- Cortney is planning a visit and will report back on how things look.



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## **IRA AND 7-SITES LTM (JV)**

Vijay presented on MMRP sites:

### **Inactive Railroad Area (IRA)**

- Presented background of site: One of munitions sites, small arms observed in area (when preliminary assessment was completed). Completed a limited scope investigation. Collected three biased samples and sent for analysis. No exceedances of explosives. Aluminum, copper, lead, and zinc exceedances (above background and residential RSLs).
- Site Investigation Report is currently under review.
- Presented map showing sample locations and data.

Long-term monitoring ongoing for 7 MMRP sites:

- Fences installed to limit access to sites. Fences/signage were inspected (annual inspection) in June 2020.
- Minor repairs completed on fencing; faded/missing signs were replaced.
- Annual inspection report was submitted and received DTSC concurrence.
- Cortney noted that main site was UBG.
- Hoa noted that have previously found unexploded ordnance in the area that had to be blown in place.

## **PFAS UPDATE (JV)**

- Hoa discussed potential sources of PFAS (used in fire suppressant foams).
- Army has been doing preliminary assessments/site investigations (site investigations include collecting soil/groundwater samples).
- Sampling was completed in 11 areas of potential concern. Got a few hits above screening levels. Did additional surface soil sampling in August.
- Cortney noted source areas are primarily fire training areas; sewage treatment ponds also identified. Will complete additional sampling at sewage treatment ponds (surface water samples or soil samples in dry ponds). Will also be sampling two existing monitoring wells near the ponds.
- John noted that sewage treatment ponds and landfills are being required to do this sampling across California, so good news that Army is preemptively sampling sewage treatment ponds.
- John wondered about PFAS investigation in BRAC areas:
  - BRAC has committed to doing PA at one site (firefighting training facility, Site 13). Contract was just awarded.
  - BRAC POC has prepared scope. Working on a separate task order through AEC. In a holding pattern until something is figured out.



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- John asked about old firefighting training facility that was transferred to Susanville Indian Rancheria. Scott noted that site was closed before foams were used. Scott has provided some historical documents that were requested. John noted that there is still some lingering concern among Water Board staff – requests that additional due diligence be conducted.
  - Scott noted Herlong Water Board had published data, but data are no longer posted. John noted that Water Board may need to take lead on tracking down the data.

### **OPEN DISCUSSION (Group)**

- John curious about schedule for 5-year review. Cortney has not received schedule yet. They will adhere to FFSRA in terms of review time.
  - During site visit, guided not to talk to regulators. More formal Q&A process. Tenaya confirmed that she does not plan on attending.
  - John asked whether Water Board would receive report as Draft. Cortney said she has to confirm but believes Water Board will receive Draft Final (because it is considered a secondary document). There will be a 60 day review time. John asked if they considered the FFSRA about not providing Water Board with a draft. Cortney said she forwarded a copy of the FFSRA to the FYR staff. John requested a call as soon as possible. (Please see FFSRA section 7.5 for clarification.)
- Tenaya asked if should plan on any documents to review soon.
  - Hoa noted that response to comments on TNT Leaching Beds Area 2019 GWMR is currently with Cortney for review. Otherwise, don't expect the 2020 GWMRs until next year.
  - Vijay noted SI Report (waiting on comments from Army), potentially mid-November.
- Hoa proposed February for next RPM meeting (after we have received annual data).
  - Tenaya will be out last week of February.
  - Hoa said we can aim for mid-February.
  - John said he can attend RPM meeting in February.

End of RAB meeting at about 7:05 pm.