

Subject: Final Minutes, Quarterly Restoration Advisory Board (RAB) Meeting, Longhorn Army Ammunition Plant (LHAAP)

Location of Meeting: Karnack Community Center, Karnack, Texas

Date of Meeting: January 8, 2013, 6:00 – 08:00 PM

Meeting Participants:

LHAAP/BRAC: Rose M. Zeiler

USACE: Aaron Williams, Wendy Lanier

USAEC: Marilyn Plitnik

AECOM: Dave Wacker, Gretchen McDonnell, Michael Ishee (World Environmental), Debra Ishee (World Environmental)

TCEQ: Fay Duke, April Palmie

USEPA Region 6: Rich Mayer, Paul Torcoletti, Janetta Coats

USFWS: Jason Roesner

RAB: **Present:** Paul Fortune, Robert Cargill, Charles Dixon, Carol Fortune, Judith Johnson, Richard LeTourneau, Nigel Shivers, Tom Walker, Pickens Winters
Absent: Ken Burkhalter, Lee Guice, Ted Kurz, Jim Lambright, E.V. Wilson, Judy Van Deventer

Public: Dawn Orsack and George Rice (CLI - TAG), Glenn Evans (Longview News)

An agenda for the RAB meeting was distributed prior to the meeting. Paul Fortune called the meeting to order.

Welcome – Rose Zeiler

Ms. Zeiler welcomed attendees to the meeting. First time RAB meeting attendees introduced themselves:

- Michael and Debra Ishee of World Environmental, an AECOM contractor.
- April Palmie, TCEQ, assisting Fay Duke. Ms. Duke is anticipating retirement and Ms. Palmie is transitioning into the project to fill the TCEQ representative role.

Open Items – Rose Zeiler

RAB Administrative Issues

RAB Meeting Attendance and Member Solicitation - Ms. Zeiler stated a RAB meeting attendance roster was sent to the RAB members at their request to facilitate a review of member attendance. There was discussion at the last meeting about appointing new members. Mr. Fortune stated E.V. Wilson has submitted his written resignation.

Mr. Glenn Burkel has expressed interest in being appointed to the RAB. The RAB will undertake appointing Mr. Burkel at the next RAB meeting.

RAB membership solicitation is required every two years. Army will place an announcement in the newspaper asking interested parties to attend the next RAB meeting and see what responses are received. Mr. Fortune requested a template RAB application form. The form will be sent electronically to Mr. Fortune.

LHAAP Staff Organizational Chart - Judith Johnson requested that AECOM provide a simple organizational chart of the project staff and representatives that attend RAB meetings. Dave Wacker then showed an organizational chart showing key staff and reviewed those positions. Ms. Johnson requested a copy of that chart. Mr. Wacker stated he would add some additional staff to the chart and provide that as a handout at the next RAB meeting.

Minutes

Ms. Johnson made a motion to approve all the October 2012 RAB meeting minutes. Motion seconded by Robert Cargill.

Community Involvement Plan (CIP) Update Status

Ms. Zeiler stated that Army and agency comments are being incorporated into a revised CIP that will be submitted for RAB review. Ms. Zeiler said she felt the interview responses indicated that there is a lack of information getting to the public, and asked for the RAB's assistance in identifying gaps in information that they want/need.

Mr. Fortune said that he feels the RAB just needs to get to know AECOM and get a feel for whether AECOM will provide adequate explanations on the topics of interest. Mr. Fortune and Army will accept emails requesting additional information (fact sheet, short presentation, etc.) on any particular subject. The information requests will be reviewed to consider integration of those topics into future RAB meeting presentations.

Site Status Updates

Charles Dixon asked for a status update on the bioplug demonstration at LHAAP-37. Ms. Zeiler advised that a presentation is being planned for the April RAB meeting. Mr. Dixon said that the presentation should include whatever it takes to show them whether it is working.

Mr. Cargill suggested Army prepare a brief summary (perhaps a map overview) of where all contamination sites were, which have been closed and which sites are still open (indicating whether groundwater or soil impacts). Marilyn Plitnik informed the group that a draft of the revised CIP is being prepared now that all required data has been collected and interviews conducted. RAB members will each receive a copy of the new CIP.

Website

The timetable for having the website up and running was unknown but it is being worked on. Ms. Zeiler stated she would check with USACE on the status as Ms. Plitnik stated the process has now passed to USACE.

RAB Tour

Schedule for the upcoming RAB tour of the facility was discussed. Majority vote supported the tour taking place on April 4th from 2-4 PM.

RAB Meeting Schedule

The RAB voted to move meetings back to Thursday evenings. It was noted that school board meetings are held on the second Thursday of the month and would present a conflict for some members.

Defense Environmental Restoration Program (DERP) Update – AECOM (Dave Wacker)

Document Status/Environmental Sites

Status reviews were presented for sites with significant activities upcoming in the near-term. (See attached Powerpoint presentation.)

LHAAP-46 Plant Area 2. This is a groundwater solvent contamination site. The Remedial Design is complete with the selected remedial alternative being monitored natural attenuation. Monitoring wells will be installed with data collected quarterly for two years to determine whether contaminant levels are decreasing. Monitored natural attenuation (MNA) is considered a “passive” remedial technique, letting natural processes do the remediation. EPA guidance will be followed in making the determination as to whether the natural attenuation is working. This approach is suitable for sites where the contaminant concentrations are closer to the end goal. A Remedial Action Work Plan has been developed to facilitate remedial action construction. Army is working to get a subcontractor in place to do the associated field work in February. Ms. Zeiler requested AECOM prepare a cross-section of the site to show locations of contamination.

LHAAP-67 AST Farm. This groundwater solvent contamination site is similar to LHAAP-46 in that the selected alternative is MNA. A small 100-foot by 180-foot area must be evaluated over the next two years to confirm successful natural attenuation of contaminants. EPA guidance will be followed in making the determination as to whether the natural attenuation is working. The Remedial Design is complete and Army has developed a Remedial Action Work Plan to facilitate remedial action construction. AECOM is working to get a subcontractor in place to do the associated field work in February.

LHAAP-18/24 Burning Grounds 3/Unlined Evaporation Pond. Army has nearly completed the Post-Screening Investigation (PSI) work plan to collect information to fill data gaps. A Proposed Plan (PP) for this site is expected to be submitted for public comment by early Summer.

LHAAP-03 Paint Shop Waste Collection Pad. LHAAP-03 is a very small site with small area of shallow soil impacted with arsenic, so it’s likely that the best remedy for this site is to just remove the impacted soil. Army is awaiting feedback on a Feasibility Study (FS) that has been

submitted to the agencies, and that document will ultimately lead to a Proposed Plan being issued for public comment.

Carol Fortune asked if the contamination at this site was really that much of a hazard. Ms. Zeiler stated that Army has to meet the regulatory standards. At Site 3, Army and regulators do not agree on the source of the arsenic – Army believes it might be naturally occurring, but regulators believe it might not be. Mr. Fortune said that it just seems like there is sometimes overkill in cleaning up things that don't pose much risk. Ms. Duke added that Army is complying with the regulatory clean-up standard because arsenic levels found in soil samples exceeded that standard, and the standards must be applied to and adhered to in all cases.

LHAAP-37, LHAAP-50 and LHAAP-58. The bioplug demonstration project at LHAAP-37 is being done separately from the ROD remedy Army is required to complete and which AECOM has been contracted to implement. Expect to hear more about these sites at the next RAB meeting.

LHAAP-12 and LHAAP-16. The caps at these sites must be inspected and maintained in compliance with the remedy. Inspection was conducted in December, with findings including expected maintenance needs. Wells will be painted and relabeled. Wells at LHAAP-16 have been rehabilitated and are now sending water to the GWTP for treatment.

Compliance Sampling. Completed in December for LHAAP-12 and LHAAP-16. Surface water sampling locations were dry, so not sampled.

CERCLA 5-Year Review Process

Mr. Wacker briefly explained that CERCLA requires that many of the closed sites undergo evaluation every 5-years to confirm the continued protectiveness of the remedies. The sites have been inspected by Army and the regulators. An EPA video explaining the CERCLA 5-Year Review Process will be shown at the next RAB meeting.

Mr. Fortune asked to confirm that the AECOM contract requires there to be a remedy in place at each of the sites by the end of the contract. Mr. Wacker confirmed that the AECOM contract takes all the sites under the contract to the Remedy In Place stage of the CERCLA remediation process.

Proposed Plan Sites

LHAAP-04. Mr. Wacker reviewed a summary of the site and the plan for remediation. See attached presentation. Soil impacts have been addressed. Perchlorate in groundwater is the remaining contaminant to be addressed.

LHAAP-47. Mr. Wacker reviewed a summary of the site and the plan for remediation. See attached presentation. Soil and groundwater remedies will be completed for this site.

George Rice, CLI provided a summary of his major comments on the LHAAP-04 and LHAAP-47 Proposed Plans, as he was not able to attend the scheduled proposed plan public meeting. LHAAP-04, Mr. Rice feels that the plan is overall reasonable and good, although there are some adjustments he would make. For LHAAP-47, Mr. Rice's primary comment is that all three of the remedial alternatives evaluated require up to 100 years to achieve the clean-up goals. Mr. Rice feels that an additional alternative with a duration of substantially less than 100 years is needed for the public to be able to determine whether a 100-year clean-up time is

reasonable. Dawn Orsack will submit Mr. Rice's full comments in writing to be formally addressed by Army. Ms. Orsack stated that CLI had already held a meeting where more detail of Mr. Rice's comments was provided to attendees.

AECOM was asked to send a copy of the LHAAP map showing the refuge boundary to the RAB members.

Groundwater Treatment Plant (GWTP) Update

The GWTP continues to operate to maintain containment of the plume at LHAAP-18/24. Due to lack of flow in Harrison Bayou, treated water was being returned to the site through the sprinkler system since September. Recent rains have allowed discharge to the Bayou over the past week. For future RAB meetings, a handout showing amounts of water treated, mass of contaminant removed, etc., will be provided.

Upcoming Field Work

LHAAP-18/24. The PSI work plan will be executed to collect additional field data relating to geology and groundwater.

LHAAP-46 and LHAAP-67. Remedial Action Work Plans will be executed, including monitoring well installation and groundwater sampling.

Compliance sampling to be conducted in February.

Military Munitions Response Program (MMRP) – USACE

No update at this time.

Other DERP Environmental Restoration Update – Rose Zeiler

LHAAP-37 Bioplug Demonstration Project

Ms. Zeiler advised that a presentation on the initial results for the project is anticipated for the April RAB meeting.

Sitewide Land Use Controls (LUC) Management Plan Update

Ms. Zeiler stated that the update of this plan is nearing completion. The update will add those sites with decision documents and RODs into the document.

Other Environmental Restoration Issues – Rose Zeiler

Dispute Resolution

Dispute resolution continues. Nothing specific to update since last RAB meeting.

Look Ahead at the Schedule

The RAB tour of the facility is scheduled for April 4th, from 2PM – 4PM, with the RAB meeting to follow from 4:30PM – 6PM at the Karnack Community Center. AECOM will send the RAB members information on where to meet for the RAB tour on the April 4th.

A motion to adjourn was made by Carol Fortune and seconded by Paul Fortune.

New Action Items

Army

- Prepare a cross-section of LHAAP-46 Plant Area 2 to show locations of contamination
- Send a copy of the LHAAP map showing the refuge boundary to the RAB members
- Place an announcement in the newspaper asking interested parties to attend the next RAB meeting
- Send Mr. Fortune a template RAB application form.
- Prepare a brief summary (perhaps a map overview) of all contamination sites
- Send RAB members a copy of the new CIP
- Check with USACE on the status timetable for having the website up and running

Adjourn

January Meeting Attachments and Handouts:

- *Meeting Agenda*
- *Minutes from October meeting*
- *Powerpoint Presentation*

Acronyms

AECOM	AECOM Technical Services, Inc.
AST	Aboveground Storage Tank
BRAC	Base Realignment and Closure
CERCLA	Comprehensive, Environmental Response, Compensation, and Liability Act
CIP	Community Involvement Plan
CLI	Caddo Lake Institute
DERP	Defense Environmental Response Program
FS	Feasibility Study
GWTP	Groundwater Treatment Plant
LHAAP	Longhorn Army Ammunition Plant
LUC	Land Use Controls
MMRP	Military Munitions Response Program
MNA	Monitored Natural Attenuation
PP	Proposed Plan
PSI	Post-Screening Investigation
RAB	Restoration Advisory Board
ROD	Record of Decision
TAG	Technical Assistance Grant
TCEQ	Texas Commission on Environmental Quality
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Center
USEPA	United States Environmental Protection Agency

USFWS United States Fish and Wildlife Service