

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

Location of Meeting: Caddo Lake State Park – Group Recreation Hall, Karnack, Texas

Date of Meeting: October 19, 2010, 5:30 – 06:30 PM

Meeting Participants:

LHAAP/BRAC Rose M. Zeiler
Shaw Environmental: Praveen Srivastav, Kay Everett, Susan Watson
TCEQ: Fay Duke
USEPA Region 6: Steve Tzhone, Barry Forsythe
USFWS: Mark Williams
USGS: Kent Becher
RAB: **Present:** Paul Fortune, Ken Burkhalter, Robert Cargill, Charles Dixon, Lee Guice, Judith Johnson, Richard LeTourneau, Nigel Shivers, Judy Vandeventer, Tom Walker, E.V. Wilson, Carol Fortune
Absent: Ted Kurz, Jim Lambright, and Pickens Winters
Community: Jeff Thompson, George Rice, Dawn Orsak

An agenda for the RAB meeting was distributed prior to the meeting.

Welcome – Rose Zeiler and Paul Fortune

The meeting was called to order.

Open Items – Rose Zeiler

New Members

RAB members in attendance were introduced. Those in attendance were Paul Fortune, Ken Burkhalter, Robert Cargill, Charles Dixon, Lee Guice, Judith Johnson, Richard LeTourneau,

Nigel Shivers, Judy Vandeventer, Tom Walker, and E.V. Wilson. RAB members absent from the meeting are Ted Kurz, Jim Lambright, and Pickens Winters.

Charter Revision

Paul fortune asked that we allow more time for review of the charter instead of voting for approval at the meeting. It was granted. The differences of a public meeting and RAB meeting were discussed; and, when asked prior to the beginning of tonight's RAB meeting, some of the RAB members indicated they were in favor of breaking between the two meetings and possibly having them on separate nights.

RAB members also expressed interested in having more historical information on the sites under consideration for actions. Steve said that a history of the site and how the contamination got there would be helpful in assisting new RAB members get up to date quickly.

Election of Co-Chair

It was noted that election of the RAB Community Co-Chair was overdue. With the new members now seated, the election will take place soon.

Perimeter Wells Sampling Results

Sampling results were provided as handouts. More information will be provided later in the meeting.

Defense Environmental Restoration Program (DERP) Performance Based Contract (PBC) Update–Shaw

Document Status/Environmental Sites

Praveen Srivastav distributed copies of the document status table and discussed each site.

- Praveen indicated that the LHAAP-02 is a no further action site and that there is no soil contamination; however, groundwater would be monitored. The final decision document has been issued after receiving state concurrence. Praveen explained that the site is a former parking lot within LHAAP-58, and soil samples were collected in the ditches surrounding the parking lot for metals.
- A soil removal work plan for LHAAP-03 is in Army review. Praveen indicated that LHAAP-03 was a former waste storage pad for a drum of waste paint. It is also located within LHAAP-58.
- The Draft Final Completion Report for LHAAP-04 is in regulatory review. This site is across from the Fire Station and was a former wastewater treatment area. Rose said that excavation activities for removal of contaminated perchlorate soil were going on during the Refuge opening last fall. Groundwater concerns are still being addressed, and two more groundwater monitoring wells were installed at this site.
- The Final Proposed Plan for LHAAP-16 was submitted in September. Hard copies and electronic copies of the Proposed Plan and FS are available. The Public Meeting for LHAAP-16 will be held tonight after the RAB meeting has concluded.
- Public comments to the Proposed Plan for LHAAP-17 are being addressed and will be submitted soon. The draft Record of Decision is in preparation. LHAAP-17 was a burning ground where waste materials were taken and burned. There is contamination in the soil and groundwater.

- Regulatory comments have been received on the Draft Final FS for LHAAP-18/24. Comment responses are in preparation. Historical operations indicated that wastes were brought here for disposal from other areas of the installation. An interim remedy to keep water from migrating was implemented at this site: the current extraction system and groundwater treatment plant.
- The FS has been finalized for LHAAP-29. This site was the TNT manufacturing area which consisted of 5 to 6 production lines. Additional Army comments have been received on the Draft Proposed Plan for LHAAP-29 and addressed. The preliminary Draft Proposed Plan is in Army review.
- The Final ROD for LHAAP-46 was signed on September 23 and 30, 2010 and submitted on October 25, 2010.
- The draft Remedial Design (RD) for LHAAP-46, Plant 2 Area, is in Army review.
- The Draft Final FS for LHAAP-47 is being revised. As required by regulators, field investigations were recently completed and new data will be incorporated into the FS.
- The Final ROD for LHAAP-49 was signed on August 23 and September 7, 2010 and submitted on September 23, 2010. LHAAP-49 was used as an acid storage facility. It is the site where the huge concrete saddles remain, which is where the storage tanks used to be.
- The Final ROD for LHAAP-50 was signed on September 23 and 30, 2010 and submitted on October 25, 2010. LHAAP-50 was a wastewater storage facility. Contamination is in the soil and groundwater. The draft RD is in preparation.
- The Final ROD for LHAAP-58 was signed on September 29 and 30, 2010 and submitted October 25, 2010. LHAAP-58 was the maintenance complex for the installation.
- Proposed changes were submitted to TCEQ for their review of the Draft Final Decision Document for LHAAP-35/36. This site contains several sumps across LHAAP.
- The Final ROD for the Pistol Range was signed on August 18 and September 7, 2010 and submitted September 23, 2010.

Groundwater Treatment Plant (GWTP) Update

The GWTP has been operating normally since the last update. Some maintenance on the plant has been occurring.

Some questions were asked about how the treatment plant worked. Basically groundwater is extracted from monitoring wells and the water is treated. The treated water is then discharged into the creek, reinjected, or discharged to the INF pond. A process diagram was presented to better illustrate the process. Discharge into the creek is determined on the amount of flow in the creek. Discharging unto the INF pond is a last resort measure. Treated water has been diverted to the INF pond lately because there has been no flow in the creek. Treated water is sampled on a regular basis and is analyzed for chemicals of concern.

LHAAP-04, LHAAP-17, LHAAP-47, and LHAAP-50 Field Work

These sites were discussed during the document status presentation and the schedule is as shown on the handout. Field work at LHAAP-47 and LHAAP-04 has been completed. Soil samples collected at LHAAP-17 and 50 has been completed. Paul Fortune asked how many wells are located at the site across from the Fire Station and what the contaminant was. There

are four directly across from the Fire Station, two of which were recently installed, and the contaminant is perchlorate.

Perimeter Well/Surface Water Sampling Update

Sampling results for the perimeter background wells samples were available by hand out. Praveen briefly discussed the results. Creek samples are usually collected every quarter; however, due to the extremely dry conditions this quarter, no samples were collected since the creeks were dry.

Fact Sheet Site LHAAP-16

Some discussion regarding contamination at the landfill ensued. A question was posed regarding the possibility of groundwater rising up into the landfill underneath that would compromise the groundwater. Historically, some borings were installed before the cap was placed. It was asked if the landfill had a liner. It is suspected there is no bottom liner based on the age of the landfill and operating practices for landfills for that time period. Some questions on tetrachloroethene (TCE) were discussed. Rose indicated that TCE is a difficult contaminant to remediate based on its physical and chemical properties. Some natural attenuation is occurring at the site because daughter products can be observed in some samples.

DERP Total Environmental Restoration Contract (TERC) Update – Rose Zeiler *LHAAP-35B(37) and LHAAP-67*

The Remedial Design for sites LHAAP-37 and -67 is in preparation.

Military Munitions Response Program (MMRP) Update – USACE

No ROD is available yet and the issuance of the ROD for the MMRP sites has been pushed out to another year because of other schedules. LUCs are currently in affect and signs are posted.

Other Environmental Restoration Issues/Concerns

Construction Debris Landfill

This is a 7-acre landfill, also known as Site 19, and contains transite, concrete, building demolition debris, etc. It was capped and has undergone an investigation for releases to the environment. The investigation determined there was no environmental release from site 19. The landfill cap has been inspected, approved, and restoration of native grasses is being established. The closure report has been finalized. It is not an NPL site.

2011 IAP Web Address

This website address will be provided when it becomes available. The public will be able to download the IAP or print it.

ECOP VI

Nothing new was discussed.

LHAAP Environmental Restoration History

Rose indicated that a tour of the land still under Army jurisdiction was conducted last year and she offered to conduct the tour again, since we have new RAB members. She is considering having it in December or January.

Dawn Orsak introduced herself and explained that Caddo Lake Institute (CLI), of which she is the administrator, was granted a TAG (technical assistance grant) from the EPA. With this TAG, CLI has retained the services of a technical specialist to review documents and interpret reports on their behalf. Dawn also mentioned that CLI is designing a website and asked what the community would like to see on it. They expect to put links to documents and other valuable information on it.

Paul Fortune asked about the mercury sampling at LHAAP-49 and he mentioned the brief history about the sampling itself. Kent Becher with the USGS and Barry Forsythe sampled the area on September 14, 2010 and sent the samples in for analysis. They expect the results in about a month.

The next RAB meeting is scheduled for January 25, 2011 at 6:30 p.m. Some expressed interested in meeting at the former location at the Karnack Community Center

Adjourn

October Meeting Attachments and Handouts:

- *Status of Technical Documents PBC*
- *Meeting Agenda*
- *Fact Sheet for LHAAP-16*
- *Perimeter Well/Surface Water (Creek) sample location maps and tables*