

***Final Minutes
Restoration Advisory Board
Former Lowry Bombing and Gunnery Range
May 19, 2004***

The May 19th, 2004, meeting of the Restoration Advisory Board (RAB) was held at the Aurora Public Library at 14949 E. Alameda Dr., Aurora, CO 80012. The meeting started at 6:15 p.m.

Welcome and Opening Remarks

Ms. Bonnie Rader, Community co-chair for the RAB opened the meeting at 6:30 p.m. Ms. Rader asked all in attendance to introduce themselves.

Attendance

The following RAB members were present:

- Jerry Hodgson, U.S. Army Corps of Engineers, Omaha District (USACE), Co-chair
- Bonnie Rader, Community Co-Chair
- James Ives, City of Aurora
- Carol Maclennan, Tri-County Health Department
- Jeff Swanson, Colorado Department of Public Health and Environment (CDPHE)
- Lynn Robbio Wagner, Tri-County Health Department
- Joe Freund, Citizen

Other attendees:

- Keith Wegner, Correlation Corp.
- John Mullen, Shaw Environmental Inc.
- Tracie White, Shaw Environmental Inc.
- Teri Farrell, Shaw Environmental Inc.
- Richard Rader, Citizen
- Spencer Luft, Cunningham Fire District
- Robyn Lydick, I70 Scout
- Laura Bishard, CDPHE
- Jerry Jacobs, Oakwood Homes
- Jennifer McQueen, USACE
- Ed LaRock, CDPHE
- Hector Santiago, USACE
- Derek Boer, CDPHE
- Jerry Jacobs, LRP, LLC
- Debbie Maley, CH2MHill
- Jon England, ARCADIS
- David Wilmoth, City and County of Denver
- Steven Weber, Tetrattech
- Art Holcomb, Tetrattech
- Rod Bockenfeld, Citizen
- Michael Duffy, USACE – Huntsville
- Lisa Harris, USACE – Huntsville
- Lydia Tadesse, USACE – Huntsville
- Harold Oliver, Denver Audobon Society
- Natalie Van Tyne, Shaw Environmental Inc.

GENERAL RAB ITEMS

Ms. Bonnie Rader, Community Co-chair, asked if the board had an opportunity to review the minutes of the prior meeting. The minutes for the March 24, 2004 RAB meeting were not approved at this meeting due to the small representation by the RAB. Ms. Rader asked that the RAB minutes be approved at the July 21, 2004 RAB meeting.

TITAN MISSILE SILOS

TITAN I Missile Site 1 COMPLEX 1A

(presentation posted on the web)

Mr. Hector Santiago, U.S. Army Corps of Engineers (USACE), gave an update regarding the Titan I Missile Site, Complex 1A. Work to be performed at Complex 1A involves the removal and off-site disposal of polychlorinated biphenyl (PCB) contaminated soil and water. Soils containing PCBs will be transported to the Denver Arapahoe Disposal Site (DADS). It is estimated that approximately 180 cubic yards of soil will be removed. Standing water will be disposed at the Arvada Treatment Center. Plans for the public review of the Titan 1A work plan were announced.

When asked who owns DADS, Mr. Santiago responded that it is owned by the City of Denver and operated by Waste Management.

A fact sheet regarding the Titan I Missile Site, Complex 1A was handed out to attendees.

Mr. David Wilmoth (City and County of Denver), asked if there would be confirmatory samples collected at the base of the soil excavation. Mr. Ed LaRock (CDPHE) responded that the previous site investigations had determined the excavation depth so that no additional samples would be necessary. Ms. Rader asked if PCB contaminated soils were a RCRA hazardous waste requiring disposal at a hazardous waste facility. Mr. LaRock responded that PCBs are not a RCRA regulated hazardous waste and can be taken to a solid waste landfill at the levels measured at Titan 1A.

FORMER LOWRY TRAINING ANNEX

FIELD WORK UPDATE

(presentation posted on the web)

Mr. Jerry Hodgson, USACE, on behalf of Ms. Sharon Moore, U.S. Air Force, Air Education and Training Command (AETC), presented an update regarding the Former Lowry Training Annex (FLTA) project status. There are a total of 670 grids, with 583 complete and 34 awaiting QA/QC. To date, 58 live items have been located. There are currently three teams performing munitions response activities in the FLTA.

When asked if munitions response activities will be completed by the end of 2004, Mr. Hodgson stated that the area should be complete by the end of the year. He further clarified that verification mapping will be performed subsequent to munitions response activities. Mr. Hodgson also mentioned that Mr. Jeff Swanson, Colorado Department of Public Health and Environment (CDPHE), is in contact with the Air Force and there is a possibility of addressing areas outside of the circular FLTA boundary.

FORMER LOWRY BOMBING AND GUNNERY RANGE

Technical Assistance for Public Participation (TAPP)

(presentation posted on the web)

Mr. Keith Wegner, TAPP, presented a progress report concerning the Technical Advisory Services for the Former Lowry Bombing and Gunnery Range (FLBGR). The report included a progress summary, current tasks, and a cost summary. Mr. Wegner's progress report is provided in the handout.

Mr. Wegner stated that he participated in drafting the Fixed Price Remediation with Insurance (FPRI) Statement of Work (SOW) with Mr. Jerry Hodgson and Mr. Jeff Swanson. He signed a non-disclosure statement and was unable to brief the RAB on details of the FPRI SOW.

Mr. Wegner is reviewing the FLBGR Geophysical Prove-out Plan and the Geophysical Investigation Plan. Both plans are being prepared by Sky Research, Inc. Items in the geophysical test plots may include the following:

- 20 and 37mm projectiles
- Miscellaneous fuzes
- 2.25 and 2.7-inch rockets
- 3, 6, 10, and 100-lb bombs
- Munitions and non-munitions related fragmentation
- Disturbed and undisturbed soil

Items are randomly placed within, 10x10-ft cells. The cells are placed in parallel rows of 20 cells each.

FIELD WORK UPDATE

(presentation posted on the web)

Mr. Jerry Hodgson presented an update regarding the FLBGR project status. The presentation included a summary of activities completed to date, ongoing activities, and future efforts. There are currently three conventional UXO teams performing munitions response activities in Bombing Target 6. Two grids have been completed in Bombing Target 6 since the last RAB and four in the Jeep/Demolition Range.

On Wednesday, April 21, 2004, one Chemical Agent Identification Set (CAIS) vial with liquid was discovered in the Jeep/Demolition Range. The vial was secured and put under 24-7 security. Technical Escort Unit (TEU), with support from the RMA Fire Department, responded to the discovery on Saturday, April 23, 2004. The TEU team investigated the item and discovered that the vial was cracked. They immediately neutralized the item by submerging it in a bucket of bleach. Air monitoring was ongoing throughout the investigation; results of the monitoring were negative for chemical agent.

The item was neutralized before testing could be performed on the vial. Therefore, it is inconclusive whether or not the item, at one time, contained a live agent. The vial had sealed ends, and Mr. Hodgson stated there is a strong possibility the vial had diluted agent at the time it was initially disposed (1940's-1950's).

Mr. Hodgson emphasized that finding the vial is not indicative of a failure of the Recovered Chemical Warfare Materiel (RCWM) munitions response activities that were performed earlier in the Jeep/Demolition Range. Prior RCWM operations were based on large anomalous areas (i.e. PIGs, etc.). The geophysics performed during RCWM munitions response activities could not detect glass.

The plan forward alternatives for the Jeep/Demolition Range are as follows:

- Transition to RCWM operations
- Continue "as is" with conventional munitions response
- Employ modified conventional munitions response operations

The modified conventional approach requires teams to cover and avoid all areas where evidence of CAIS is identified. When the remainder of the Jeep/Demolition Range has been cleared, the teams would return to areas that were covered and address them with modified conventional operations (i.e., wearing appropriate PPE and with a hotline in place, in the event that decontamination is required).

When making the decision on the plan forward, the following items are important to consider:

- To date, CAIS remnants have "only" been found in three grids (D-12, L-05, and M-06)
- The No Significant Effects (NOSE) Distance does not extend beyond the Jeep/Demolition Range boundaries. Therefore, the issue is worker safety, not public safety.

Mr. Hodgson stated that approval for a modified conventional munitions response effort would be difficult to achieve. He also mentioned that another munitions response site (Fort McClellan in Alabama) has been approved

for modified conventional operations. At this point, the only information regarding Fort McClellan is that a CAIS vial was found, but Mr. Hodgson anticipates gathering more information in the next several weeks.

When asked what the time frame is for providing input regarding the plan forward options, Mr. Hodgson responded that within the next couple of weeks, he needs to recommend a plan forward. Mr. Swanson stated he anticipates having a plan forward suggestion at the next Principal's Meeting on June 16, 2004.

Ms. Carol MacLennan, Tri-County Health Department, asked when teams may re-enter the Jeep/Demolition Range for clearing land. Mr. Hodgson responded by saying the Jeep/Demolition Range is the number one priority with the RAB, and he will move teams back into the area as soon as possible. For now, however, no munitions response activities can take place without an approved plan forward.

Mr. Swanson asked whether or not any soil sampling was performed where the CAIS vial was located. The U.S. Army Edgewood Chemical and Biological Center (ECBC) was requested to sample the soil, but as of the RAB meeting, sampling had not yet taken place. ECBC is drafting Standard Operating Procedures (SOP) and protocols to perform the sampling.

Geophysical Mapping Program

Mr. Hodgson stated that the Geophysical Mapping Program (GMP) will start this summer. The purpose of the GMP is to identify the methodology to determine the best application of "map-and-dig" versus "mag-and-dig", removal verification at all Areas of Concern (AOCs), address and better characterize the Air-to-Ground Gunnery Range (AGGR), and AOC boundaries.

In the AGGR, geophysical transects will be performed to identify high-density munitions areas. The intent is to better characterize the AOC to minimize the total area that requires mag-and-dig operations.

The post removal verification mapping methodology development will be broken into the following three phases:

- Phase 1 will contain 20 grids in Bombing Target 6 that have been completed via mag-and-dig operations. These grids will be mapped at 100% coverage.
- Phase 2 will map additional grids, based on the results of Phase 1.
- Develop a plan forward for removal verification at AOCs across the FLBGR.

The AOC boundary delineation will be broken in to two phases as follows:

- Phase 1 will contain 20 grids in the southeast corner of Bombing Target 6; these grids will be mapped at 100% coverage.
- Phase 2, additional grids will be mapped, based on the results of Phase 1.
- Develop a plan forward for delineating boundaries of AOCs across the FLBGR.

Fixed Price Response with Insurance (FPRI)

Bombing Target 5 was selected for the FPRI contracting mechanism based on the Corps' AOC evaluation and RAB, CDPHE and TAPP input. The award will be under a Multiple Award Response Contract (MARC). The time frame for clearing Bombing Target 5 is 5 years. Phase I of the initial screening of potential contractors is complete. Phase 2 is currently under way. The Bombing Target 5 task order will be awarded prior to September 30, 2004.

Discussion

Ms. Rader mentioned she received a copy of the Lowry Range Development Process from the State of Colorado. She mentioned she would like Ms. Danna Ortiz, State Land Board (SLB), on the agenda for the next RAB meeting to update the RAB on the SLBs stance on development.

Mr. Swanson explained that at the SLB meeting in October, 2003, the SLB decided to move forward with their development planning phase regarding approximately 37,000 acres. The SLB will develop an RFP for a company to develop a master plan and identify how to tackle the first phase. Since the meeting in October, no RFP has been issued. Ms. Rader mentioned she would send Ms. Ortiz an email asking her to provide a briefing at the next RAB.

Ms. Rader also provided RAB members copies of letters to herself and Ms. Jeanette Alberg, Senator Allard's Office, in response to an inquiry opened regarding the lack of response to the RAB's concerns for FPRI.

Adjournment

Arrangements were made for the next meeting to be held July 21, 2004, 6:00 p.m., at the Aurora Library

Meeting notification for the next RAB meeting should be sent on or around July 12, 2004.