

***Final Minutes
Restoration Advisory Board
Former Lowry Bombing and Gunnery Range
January 19, 2005***

The January 19, 2005 meeting of the Restoration Advisory Board (RAB) was held at the Doubletree Hotel at 13696 E. Iliff Place, Aurora, CO. 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 6:15 p.m. Ms. Rader asked all in attendance to introduce themselves.

Attendance

The following RAB members were present:

- Bonnie Rader, Community Co-Chair
- Jerry Hodgson, U.S. Army Corps of Engineers, Omaha District (USACE), Co -chair
- Mark Harding, Rangeview Metro District
- Bob Hastings, Citizen
- Julio Iturreria, Arapahoe County
- Jim Ives, City of Aurora
- Carol Maclennan, Tri-County Health Department
- Danna Ortiz, State Land Board
- Pete Pagano, DTH#2
- Lynn Robbio Wagner, Tri-County Health Department

Other attendees:

- Laura Bishard, CDPHE
- Sharon Moore, Air Education and Training Command
- Richard Rader, Citizen
- Keith Wegner, Correlation Corp.
- Gary Foster, CH2M Hill
- Ben Redmond, CH2M Hill
- Greg Travis, Zurich
- Tim Murphy, Weston
- Morey Engle, Shaw Environmental, Inc.
- John Mullen, Shaw Environmental, Inc.
- Natalie VanTyne, Shaw Environmental, Inc.
- Rick St. Amand, 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 July 21, 2004 RAB meeting were approved as corrected by Carol Maclennan.

Ms. Rader announced that Mr. Steve Ormiston had informed her via email of his request to resign from the board due to his company's sale of the Wheatlands property, which is adjacent to FLBGR. The board accepted his resignation.

FORMER LOWRY TRAINING ANNEX

FIELD WORK UPDATE

(presentation posted on the web)

Ms. Sharon Moore, Air Education and Training Command (AETC), presented a status update regarding the Former Lowry Training Annex (FLTA) project. She stated that munitions response activities were completed in December, 2004 for all 565 acres of the primary area of concern. Area A was the final area to be cleared. The three berms in that area were removed and their material and the underlying soil were both investigated and cleared by the end of December.

The next activities at FLTA include map and dig activities along the northern and eastern boundaries of the primary area, and additional geophysical investigations and anomaly removal activities in the area to the east of FLTA and immediately west of the Navy/DRI site.

TECHNICAL ASSISTANCE FOR PUBLIC PARTICIPATION (TAPP) UPDATE *(presentation posted on the web)*

Mr. Keith Wegner, Correlation Corp., reported on his completed review of the *Jeep/Demolition Range Digital Geophysical Mapping and PIG Discrimination Project* draft report and provided comments to USACE and to Shaw. He also reported on his review of the *Wide Area Assessment Draft Final Report* and will provide comments to USACE and to Sky Research, and his review of the *Geophysical Prove-out Plan for Bomb Target 5*. His upcoming reviews include the results of field investigations of the Wide Area Assessment Areas of Interest for the Flexible Gunnery Targets and their resultant plans, as well as project documents for the FPRI work at Bombing Target #5.

Mr. Wegner defined a “scientific evolution pathway” consisting of detection, discrimination and delineation, and used this concept to explain his view that the technologies applied to munitions response had evolved quickly and were now able to provide more functions in more reliable fashion. He also used this approach to review the documents mentioned above, and gave several examples of how this process was manifested in the *Jeep/Demolition Range Digital Geophysical Mapping and PIG Discrimination Project* draft report and the *Wide Area Assessment Draft Final Report*. From the latter, he explained the concept of “multiple sensor fusion”, in which the results from one detection method refine the results from another method. The specific methods described in the report were synthetic aperture radar (SAR), hyperspectral imaging (HSI), light detecting and ranging (LiDAR) and digital terrain modeling (DTM). His conclusion from this report is that there are 46,000 acres at FLBGR that are presumed clean, and that the justification for this conclusion is provided in the report. He also reported that his YTD spending was 58.5% complete.

At this point, Ms. Rader asked how far the Jeep Demolition Range was from the proposed Arapahoe County Fairgrounds, and Mr. Julio Iturreria replied that it was to be sited farther away than the racetrack, which is currently in use. Mr. Jim Ives reiterated that the Jeep Demolition Range is part of the City of Aurora is intended for open space. Ms. Rader then observed that the technologies described in the *Jeep/Demolition Range Digital Geophysical Mapping and PIG Discrimination Project* draft report and the *Wide Area Assessment Draft Final Report* seemed to be new technologies that had not been widely demonstrated before. Mr. Jerry Hodgson confirmed that these demonstrations were the first of their kind in the United States, and that two additional demonstration projects were planned for FLBGR during the summer 2005: the Rangemaster by USA Environmental and Timberline Constructors, and the application of statistical models to targets for munitions detection. The former is a surface scraper that removes several inches of soil in one pass and transfers it to an area where UXO technicians can inspect it for buried munitions. This equipment is armored, to guard against damage if UXO is detonated upon excavation. The statistical modeling application is expected to be useful for targets like the Air-to-Ground Gunnery Range, where there is a lack of surface evidence, such as craters, that a target existed.

FORMER LOWRY BOMBING AND GUNNERY RANGE (FLBGR)

FIELD WORK UPDATE

(presentation posted on the web)

Mr. Jerry Hodgson presented an update of the FLBGR project status. The presentation included a summary of activities completed to date, ongoing activities, and future efforts. Mr. Hodgson was pleased to announce that this project has worked at least 1,681 days without a lost time injury. Since FLTA field munitions response work has been completed, all six teams are currently deployed at Bombing Target #6, although it is planned to move several teams to the Jeep Demolition Range and the Rocket Range later in January. All six teams are also now fully staffed, which will enhance productivity in the field.

Since the last RAB meeting on November 17, 2004, 15 additional grids have been completed in Bombing Target #6, and a total of 889 live items have been found to date in a 54% clearance of this area. The overall estimated percent complete to date is 26% for the entire FLBGR. There is also some discussion underway regarding the southeast corner of Bombing Target #6 and whether additional investigation is necessary.

FIXED PRICE RESPONSE WITH INSURANCE (FPRI) PILOT PROJECT

Mr. Hodgson also presented an update regarding the FPRI at Bombing Target #5 project status. Since the RAB meeting on November 17, a Geophysical Proveout Plan has been submitted for USACE and CDPHE review, and work plans are being prepared along with an amendment to the ESS. The goals for the January-March, 2005 period are to obtain work plan and ESS amendment approvals, perform GPO operations and complete pre-mobilization activities.

2005 RAB MEETING SCHEDULE

The schedule for remaining meetings during 2005 is as follows:

March 16, 2005	Doubletree Hotel
May 18, 2005	Doubletree Hotel
July 20, 2005	Doubletree Hotel
September 21, 2005	Aurora Public Library
November 16, 2005	Aurora Public Library

The locations and dates for all RAB meetings are posted on the FLBGR website: www.flbgr.org

PUBLIC MEETING AND OPEN HOUSE DECEMBER 9, 2004

Ms. Lynn Robbio Wagner, Tri-County Health Department, presented a summary of the public meeting/open house held on December 9, 2004 from 4:00 PM to 7:00 PM at Cherokee Trail High School. A total of 6,500 to 7,000 postcard notices were sent out to announce the event; the mailing list was a combination of the Arapahoe County Assessors Office database (sorted by section, township and range) and the EPA contact list. CDPHE advertised the public comment period and the open house in both the Denver Post and the Rocky Mountain News, and the story also appeared in other local papers as well as the I-70 Scout.

Participants included EPA, the Tri-County Health Department, CDPHE's Solid Waste and Hazardous Materials Division, CLLEAN, the City and County of Denver, the City of Aurora, Arapahoe County, Waste Management and Parsons Environmental. Laura Bishard and Jeff Swanson of CDPHE represented FLBGR. Additional information was provided for the Titan Missile silos and the State Land Board. Some of the subdivisions that were represented included Dove Hill, Piney Creek, Smokey Ridge, Willow Trace, Willow Trace II, Saddle Rock Ridge, Foxfield, Parker Vista and Thunderbird.

Approximately 40-50 community members attended and signed in, as well as a large number of Cherokee Trail High School students, some of whom signed in. Two written comments about the Engineering Design and Operations Plan (EDOP) were received at the Open House, out of six that were received by CDPHE. Overall, the

organizing group considered the open house a success, and all agencies have since received more inquiries from the public for information, as well as a desire by the public for additional open public meetings. With respect to the EDOP, the next step is for CDPHE to complete its review and response to public comments.

Adjournment

The meeting was adjourned at 7:04 PM. Arrangements were made for the next meeting to be held on March 16, 2005 at 6:00 p.m., at the Doubletree Hotel, 13696 E. Iliff Place, Aurora.

The meeting notification for the next RAB meeting should be sent on or around March 7, 2005.