

***Final Minutes
Restoration Advisory Board
Former Lowry Bombing and Gunnery Range
May 18, 2005***

The May 18, 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 6:18 p.m.

Welcome and Opening Remarks

Ms. Bonnie Rader, Community Co-chair for the RAB, opened the meeting at 6:18 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
- John Van Kirk, City of Aurora
- Lynn Robbio Wagner, Tri-County Health Department
- Melissa Feeder, State Land Board
- Joe Freund, Citizen

Other attendees:

- Tim Blume, Army Environmental Center
- Sylvia Crowell, Air Education Training Command (AETC)
- Ed LaRock, Colorado Department of Public Health and Environment (CDPHE)
- Ken Vogler, CDPHE
- Cathy Schuster, CDPHE
- Richard Rader, Citizen
- Keith Wegner, Correlation Corp.
- John Dalton, EPA
- Morey Engle, Shaw Environmental, Inc.
- John Mullen, Shaw Environmental, Inc.
- Carl Barker, Shaw Environmental, Inc.
- Rick St. Amand, Shaw Environmental, Inc.
- Tracie White, Shaw Environmental, Inc.
- Teri Farrell, Shaw Environmental, Inc.
- Meggan Pickner, Sky Research, Inc.
- Hector Santiago, USACE
- Jerome Stolinski, USACE
- David Johansen, USACE
- Sue Errett, U.S. Army Base Realignment and Closure (BRAC)
- Mohsin Bharmal, U.S. Army BRAC
- Greg Travis, Zurich
- Bill Lynch, Zurich

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 January 19, 2005 RAB meeting were approved without comment.

Mr. Jon Van Kirk, City of Aurora, mentioned that he will be a temporary replacement on the RAB for Jim Ives. He will sit in until a permanent successor is chosen.

TITAN COMPLEX 2A (BENNETT SITE)

(presentation posted on the web)

Ms. Sue Errett, Base Realignment and Closure (BRAC) Environmental Coordinator, presented a status briefing regarding the Bennett Army National Guard Titan Complex 2A. She mentioned the complex was actively used from 1958 – 1965, and was identified for BRAC disposal in 1988. All remedial actions were complete in the Winter of 2004, and the land is slated for public sale this upcoming summer (2005). Remedial actions inside the complex include closing two 1,800-foot deep former water supply wells in accordance with regulations promulgated by the State of Colorado. Seven monitoring wells have been closed, and the facility has been closed and sealed. Ms. Errett stated that the land, when the title is transferred to the new owner, will have use restrictions in place.

Ms. Rader, citizen, asked what type of zoning is in place for the Bennett Site. Ms. Errett stated that the land is currently zoned for agricultural use, and the zoning will not change. Mr. Julio Iturreria, Arapahoe County, asked if the County will be informed of the upcoming auction. Ms. Errett responded that the public auction of the land will be posted in the newspaper (either the Denver Post, Rocky Mountain News, I-70 Scout, or a combination of the three).

TITAN COMPLEX 1A, 1B AND 1C

(presentation posted on the web)

Mr. Hector Santiago, U.S. Army Corps of Engineers – Omaha District (USACE), presented an update regarding the Titan I, Missile Sites, Complexes 1A, 1B, and 1C.

Complex 1A

A removal action was performed between July 12 – 20, 2004 where polychlorinated biphenyl (PCB) contaminated material was removed and disposed off-site. The results of the removal action are documented in the PCB Time Critical Removal Action Final Report dated November, 2004. Ventilation shafts at this site were sealed to prevent human and water access. The Colorado Department of Public Health and Environment (CDPHE), and EPA Region 8 have agreed that Complex 1A does not require any further environmental investigation or remedial action.

Complex 1B

Field activities at Complex 1B were performed during 2004. Surface and subsurface soil samples were analyzed to determine the PCB/pesticide contamination in the sewage lagoon drainage ditch. Ground water monitoring wells were sampled to determine the extent of the solvent (PCE/TCE) contamination in groundwater. It has been established that one additional monitoring well will be examined in the summer of 2005 to fully delineate the groundwater plume along the east side of the site.

Complex 1C

The Draft Expanded Site Inspection (ESI) Report for Complex 1C has been submitted. This report details the results of an investigation performed in May and June of 2000. Mr. Santiago mentioned that they are currently responding to comments which were submitted by the CDPHE and EPA regarding the Draft ESI report. The intent is to perform more sampling of all existing monitoring wells for contamination and remove soil at the Chemical Waste and Incinerator Areas.

Ms. Rader asked how deep the water contamination is. Mr. Ed LaRock, CDPHE, mentioned that the contamination in the ground water is approximately 50 to 60 feet deep. He stated that one 180 feet deep well has been installed, and samples proved to be a Non-Detect for contamination. The soil contamination has most likely been addressed by removing soils from the lagoons. He mentioned that contamination appears to be localized, and not wide-spread.

STATE LAND BOARD

Ms. Melissa Feeder, State Land Board (SLB), mentioned that on Friday, May 6, 2005, at about 2 p.m., a lessee found an M23 igniter. The item ignited inside their concrete crushing machinery. As a result, the company has suspended all operations at the site indefinitely. As a result of the item igniting, white phosphorous sprayed on the machine and one person received a surface scratch. The company is working closely with the USACE, and are following strict safety protocol to demobilize their equipment from the site. Ms. Feeder stated that all lessee's should be aware of any safety protocol to follow at the FLBGR. Mr. Jerry Hodgson, USACE, mentioned that the incident occurred directly adjacent to the Rocket Range.

FORMER LOWRY TRAINING ANNEX

FIELD WORK UPDATE

(presentation posted on the web)

Mr. Jerry Hodgson presented a status update regarding the Former Lowry Training Annex (FLTA) project. He introduced Ms. Sylvia Crowell, Air Education Training Command (AETC), who will be replacing Ms. Sharon Moore as the AETC project manager. Mr. Hodgson mentioned that intrusive munitions response activities at the FLTA were completed in December 2004. He also stated that efforts for post-removal verification geophysical mapping will commence in two weeks to ensure that the munitions response activities extended far enough to the north and east of the FLTA.

Mr. Joe Freund, citizen, asked why any further geophysical investigation is necessary in the area between the FLTA and the Navy DRI sites. He stated the area had been previously ripped as part of a clearance effort many years ago. Mr. Hodgson stated that the geophysical mapping is being used to ensure that no impact areas exist in this area.

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

Mr. Keith Wegner, Correlation Corp., reported on his activities with the FLBGR and the Fixed Price Response with Insurance (FPRI) Pilot Project, Bombing Target 5. He stated that he reviewed the Work Plan, Revision 1 that was released by the contractor (CH2M Hill), and provided his comments to the USACE, RAB Citizen Co-Chair and CH2M Hill. Mr. Wegner has also provided comments to the above mentioned parties regarding the Geophysical Prove-Out (GPO) Work Plan for Bombing Target 5 (BT5). Mr. Wegner stated that he does not think the Work Plan adequately explains CH2M Hill's estimated footprint for BT5, which was historically shown to have been a dive-bombing target where practice bombs and larger munitions were used.

CH2M Hill performed a GPO over their seeded GPO test plot, in which the following four items were buried:

- 20-millimeter Projectiles
- MK23 3-pound Practice Bombs
- M69 6-pound Incendiary Bombs
- M38 100-pound Practice Bomb

After the GPO survey was completed, the results showed that CH2M Hill had good detection results for the larger simulated items. The detection of the smaller items (20 mm Projectiles); however, was not as good as the larger items.

Mr. Wegner mentioned that their proposed footprint for BT5 may change after the geophysical mapping of the area is complete. Mr. Joe Freund mentioned that he performs work on the property in and around BT5 and frequently sees items outside of the boundary currently delineated by CH2M Hill. He mentioned his concern that the entire area should be adequately cleared. Mr. Hodgson stated that the original FLBGR footprint for BT5 was drawn based on information from historical documents, and the Archives Search Report. He mentioned that CH2M Hill will need adequate field data results to change the footprint of the target. In order for the contractor to make changes, approval must be received from Mr. Hodgson and Mr. Jeff Swanson, CDPHE. The contractor needs to make decisions based on gathered field data.

Ms. Rader asked what will be the next step in the FPRI process. Mr. Hodgson responded that CH2M Hill is

currently responding to comments on their Work Plan. Mr. Hodgson also stated that BT5 is being treated as any other Area of Concern (AOC) at the FLBGR.

Ms. Rader stated that any comments or questions RAB members may have regarding BT5, should be addressed to Mr. Wegner on behalf of the RAB. She also mentioned she would like a representative from CH2M Hill at the next RAB meeting in case there are any questions that should be answered.

Mr. Hodgson stated that CH2M Hill may be mobilizing to start munitions response activities in BT5, in June of 2005.

DISCUSSION REGARDING LENNAR CASE

Ms. Rader asked if the departure of all the developers from the RAB will be permanent. Mr. Hodgson answered that most are finished performing their munitions response activities, and are currently in the earth work phase of their projects to begin construction.

Ms. Rader also asked about the status of the Lennar Homes case. Mr. Hodgson stated that if an agreement is not met on the case, by the end of June, the case will go to court. Ms. Rader stated that she would like some information on the Lennar Homes case status at the next RAB.

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 1,790 days without a lost time injury, and has just received the 2004 Omaha District Commander's Safety Award. Three munitions response teams are currently working at Bombing Target 6, four teams at the Rocket Range, and one geophysics team is collecting data at the Jeep and Demolition Range (JDR).

Since the last RAB meeting on January 19, 2004, 52 additional grids have been completed in Bombing Target 6, three grids in the JDR, and 13 grids have been completed in the Rocket Range. The overall estimated percent complete to date is 27% for the entire FLBGR. Since more grids have been added to both Bombing Target 6 and Rocket Range, the overall percent complete has not increased as fast as initially perceived. The progress is not indicative of the effort being expended because the target boundaries have grown.

Mr. Hodgson stated that it may be necessary to revisit prioritization of the AOCs at the September 21, 2005 RAB meeting.

Mr. Hodgson mentioned that field crews have encountered a 20mm Projectile burial pit that is about 10'x15'x8', in the JDR. Substantial quantities of 20mm Projectiles were placed in barrels, the barrels were then covered with fuel and ignited. As a result, the items are literally fused together. During the munitions response of the area, each item needs to be separated and identified individually. This process is extremely time consuming. Mr. Hodgson mentioned that continuing this task could take up to three team years. As a result, operations in the 20mm burial pit have been suspended until all possible solutions have been analyzed to reduce the time (and cost) of these efforts. He stated that geophysical mapping is on-going, in 80 grids, at the JDR.

Mr. Hodgson discussed the concept of Airborne Magnetometer Characterization at the FLBGR. The objective is to aid in defining the relative extent of the AOC target boundaries on the project site which will help refine the project cost and schedule estimates. A magnetometer has been mounted to a helicopter (already at Centennial Airport), and will be flown to achieve 100% data coverage of the AOCs on the range. The data will provide a good estimate of anomaly densities, and a better edge-of-target delineation. By using this information, it will be easier to make informed decisions regarding whether or not an area should undergo mag-and-dig operations or map-and-dig. This has the potential to save tens of millions of dollars over the life of the project.

Mr. Hodgson stated that all AOCs will be evaluated, with the exception of Bombing Target 1, JDR (already have a good handle on the extent of this AOC), and the 20mm Range Fan (munitions are likely too small). Bombing Target

5 will also be excluded from the airborne operations, as it falls under a different contract. Sky Research, Inc. is slated to perform the data collection. Actual data gathering and flights over the AOCs are scheduled for June.

Adjournment

The meeting was adjourned at 7:50 PM. Arrangements were made for the next meeting to be held on July 20, 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 July 11, 2005.