

# **Restoration Advisory Board**

**Former Lowry Bombing and Gunnery Range**

**FINAL**

## **RAB Meeting Minutes**

for January 19, 2000  
at Aurora Public Library

*Final Minutes  
Restoration Advisory Board  
Former Lowry and Gunnery Range  
January 19, 2000*

*The January 19, 2000 meeting of the Restoration Advisory Board (RAB) was held at the Aurora Public Library, 14949 East Alameda Drive, Aurora, Colorado 80012. The meeting started at 6:15 p.m. (A copy of the agenda is attached.)*

***Welcome and Opening Remarks***

Mrs. Bonnie Rader, Community co-chair for the RAB opened the meeting at 6:15 p.m. Mrs. Rader asked all in attendance to introduce themselves.

***Attendance***

The following RAB members were present:

Jerry Hodgson, Corps of Engineers, Omaha District, Co-chair  
Jeff Swanson, Colorado Department of Public Health & Environment  
Bonnie Rader, Community Co-chair  
Mike Bower, City and County of Denver  
Tom Butts, Tri-County Health Dept.  
David Denton, John Laing Homes  
James Ives, City of Aurora  
Bill Killip, State Land Board  
Marie MacKenzie, Arapaho County Commissioner  
Fred Esposito, Office of Naval Research  
Ed Lohr, Department of Navy

Other attendees:

Jim Anelle, USACE, Huntsville District  
Tim Blume, Army Environmental Center, Western Regional Office  
Jim Emery, CH2M Hill  
Dennis Guadarrama, Air Force  
Amy Lange, CH2M Hill  
Carol MacLennan, Tri-County Health Department  
Arnie Marks, Stone and Webster  
Loren Mason, USACE Tulsa District  
Brad McCowan, USACE, Huntsville  
Andrew McVeigh, USACE, Tulsa District  
Mark Miller, Stone and Webster  
Summer Montgomery, Stone and Webster  
Tom O'Hara, USACE, Omaha District  
Pete Pagano, DTH #2  
David Rathke, EPA  
Paul Reining, DRI, University of Denver  
Phil Sirles, MicroGeophysics  
Larry Tarno, Libra Group  
Keith Wegner, Correlations Corp., Technical Assistance for Public Participation (TAPP) for RAB

**GENERAL RAB ITEMS:**

Mrs. Rader (Community Co-chair) asked if everyone on the board had had an opportunity to review the minutes. Bill Killip did not receive a copy. Approval of October 20, 2000 minutes will be delayed until the next meeting and those who did not receive last meeting's minutes will receive them in the mail with the draft minutes for this meeting.

Mrs. Rader stated that it would be a good idea to send out copies of minutes to meeting presenters so that they can make changes as well. Mr Hodgson stated that all who want copies of the draft minutes should put their name on the list at the back of the room.

Mr. Jerry Hodgson gave a brief commentary on Stone and Webster's role for this and future meetings. There will not longer be a court reporter; Stone and Webster will take meeting notes and support Tom O'Hara in PAO efforts for RAB meetings. Stone and Webster will be responsible for mailing out the agenda, draft minutes, and meeting notices a week before the RAB meetings. All attendees were asked to sign in and ensure correct addresses on the sign in sheet before leaving. RAB meeting dates for the rest of 2000 will be mailed out with the next package.

**LOWRY TRAINING ANNEX**

***Navy Report***

*(presentation attached)*

The meeting proceeded with the Navy and Air Force updates.

Mr. Fred Esposito narrated a presentation of the DRI Site and Ammo Storage Areas. This presentation included information concerning the geophysical target search, radiation removal effort at the depleted uranium site, the environmental investigation, and the future outlook schedule.

***Questions/Answers***

A request for technical advisory funding was submitted; has this request been reviewed?

The request is in the process of being reviewed.

Is there confidence that the current surface studies give adequate indication of what is present in the area?

Yes, the type of work and testing that was conducted in this area does not indicate that any materials would be buried much deeper than the 18 to 20 inch surface sampling that was conducted.

***Air Force Report***

*(presentation attached)*

Mr. Dennis Guadarrama continued the update with a brief commentary describing the activities related to the Air Force EOD Range. He stated that the Air Force has been very successful so far. He proceeded to introduce the members of the staff associated with these activities: Mr. Kenny Johnson, Program Manager for ATC; Lauren Mason, USACE; and Mr. Phil Sirles, of

Microgeophysics. He then turned the discussion over to Mr. Phil Sirles the local geophysical contractor for the Air Force. Mr. Sirles administered a presentation outlining the specific studies and information collected.

***Questions/Answers***

What is the next step and what is the time frame?

Once funding becomes available (next fiscal year at the earliest) confirmatory sampling is planned. An actual time frame has not been established.

**FORMER LOWRY BOMBING AND GUNNERY RANGE**

***Technical Assistance for Public Participation (TAPP)*** *(presentation attached)*

Mr. Keith Wegner presented a brief progress report concerning the Technical Assistance for Public Participation (TAPP). Mr. Wegner stated that little has been done since the last meeting since Mr. Hodgson requested that TAPP funding be reserved for SAR/HSI data review at this point. Mr. Wegner stated that he has continued to review the website. It was last updated January 5, 2000 and contains some interesting reading on the bomb targets.

***Settlement Agreement and Field Work Update*** *(presentation attached)*

Mr. Jerry Hodgson rendered a summary presentation concerning the contract transition, the settlement agreement, and an update of the field work. He explained the contract structure with Stone & Webster and the lower-tier subcontractors. The Omaha District has hired Stone and Webster to contract directly to all subcontractors instead of a multi-tiered, and thus more costly, contracting method. In regard to the Settlement Agreement, everything is progressing satisfactorily.

With regards to field work, Area A within the 20mm Fan Range is completed. The Rocky Mountain Steel Company has agreed to recycle the scrap. Field work details are presented in the attached slide presentation.

The SAR/HSI data collection is complete and the SAR/HSI data processing and field verification efforts have begun. A sample SAR/HSI work plan will be made available for review at the next RAB meeting. Jerry presented some sample SAR data and pointed out potential areas for investigation. Jeff Swanson explained that the SAR results are very dependant on the size and orientation of the objects it is looking at and that data was collected in four directions to account for this.

### *Questions/Answers*

Will third-party oversight be retained through the transition?

Yes, third-party oversight will be retained. QA audits will continue to be done by Huntsville (Jim Anelle) to ensure accordance with regulations and directives.

How big are the SAR/HSI tiles?

The tiles are 1 kilometer square; 1,000 points up and 1,000 points across.

Is the \$17M – \$63M completion cost for total remediation or a particular level of the remediation process?

Mr. Hodgson: The low rate reflects clearance exactly as it is spelled out in the legal agreement and the high estimate is based on the geophysical transit data worst-case scenario for target boundaries.

What depth were most of the 100 pound practice bombs found?

Most of them are found within the first 3 feet; they accordian and have a thin shell, so they don't go very deep.

What constitutes one, live ordnance item?

(question was referred to Mr. Jim Anelle, the Site Safety Officer, for answer) Even if an item is in fragments, the item is counted as one item. Our numerous experts have a lot of experience in this field and they can decipher what the fragments belong to. If there is any doubt as to what an item is or if it is live, it is treated as live.

There was no additional public comment.

### *Adjournment*

Arrangements were made for the next meeting to be held March 22, 2000, 6:00 p.m., at the Aurora Public Library. Meeting notification should be received on or about March 13, 2000.