

**IOWA ARMY AMMUNITION PLANT
RESTORATION ADVISORY BOARD
JANUARY 20, 2000**

The Restoration Advisory Board meeting was held at 4:30 p.m. on January 20, 2000 at the Ramada Inn.

Call To Order

Lieutenant Colonel Elliott introduced himself and explained a little bit of what the RAB does. He gave a brief synopsis on the plants history, and explained the RAB's focus was on Environmental Restoration.

Rodger welcomed Matt Edwards, Lieutenant Colonel William Candler, Captain Craig Gehrels, Mike Guely, and George Rael.

Jeff Bergman welcomed everyone and explained that he was stepping in for the Community Co-Chair Larry Orr until he could arrive.

Minutes Review

The minutes were approved as written.

Agenda Review

A discussion of the previous weekend's activities was added as new business. An introduction of a new DOE team member was added before the DOE information review. Jeff Bergman wanted to add membership and attendance at the end of the agenda, and Rodger Allison wanted to add community Co-Chair elections.

Community Relations Plan

Bob Whistine, IOC Public Affairs explained that he has taken the lead on this. He explained that his office is working with IOC environmental to complete the project. They will do a survey and produce an update. He is planning on doing a survey in April, having a draft ready for the RAB at the May meeting, and to have the formal update in June. Rodger explained that there was no action needed from the RAB.

Spring Activity

Don Kuechmann explained that he was looking at a private auto tour throughout the area of the plant where there has been significant restoration. We could have before and after photos at each site with brief notes about cost and what was actually done there. LTC Elliott suggested setting a date. After a brief discussion the RAB decided on April 29th. Don asked the Colonel about having independent family tours instead of bus tours. The Colonel said he would give him an answer at the next meeting.

Website

Rodger explained to the RAB that USACE would be our Webmasters. We have been sending them data and they will be piecing it together electronically. There won't be anything solid until next month.

RAB Presentation

Rodger presented to the RAB the presentation that he put together. (Exhibit 3) He put up each slide and briefly explained them to the RAB. He explained there were no pictures yet but he planned on adding them. He asked the RAB members to bring their input to the next meeting. The presentation will be used for recruitment and for informing the public.

Marketing Committee

Jeff Bergman gave the RAB an update on the progress of the marketing committee. He handed out a brief outline. (Exhibit 4) The outline including setting a goal, deciding on a target audience, and ways to reach the audience. It also contained a list of what has been done. Jeff explained the committee needs to decide what needs to be done and by when. It will take commitment and time to get this done. He would like to see more organization. He feels we have only been doing bits and pieces. He asked the RAB for any comments they might have. Rodger commented that they have done an outstanding job so far. Don felt that would be hard to generate interest because the plant is not perceived as a problem. We want to establish interest without establishing fear. Larry Orr sees the spring activity as a real springboard. Scott Marquess wanted to make sure the RAB was not getting overly ambitious.

Ad Development

Larry Orr explained he put together an idea with a sketch and he will report back later. (Exhibit 5)

DOE Information Review

Bert Griswald introduced George Rael of the Albuquerque, NM office. He will be the DOE contact regarding environmental restoration coordination. Bert thanked everyone for all of our help as he worked with us and wished us well in the future.

Scott Marquess, EPA Region VII presented to the RAB what he found in the documents found at the Pantex plant that relate to environmental issues. AEC had operations at Line 1, Firing Site, Explosives Disposal Area (EDA), Yard C, Yard L, SECOM Site, ERC Site, and at the Deactivation Furnace. He gave a brief synopsis of what took place in each area. The EPA will continue to solicit information from former workers to better understand historical operations. They will do further research on operational history and possibly a RAD survey at Line 1. Further sampling will be done at all sites prior to beginning cleanups. A member of the public asked if there were any references to disassembly. There was one reference about disassembling a warhead that was on a plane that crashed. Further information in disassembly would be found in SOP's and they are still classified.

Project Update

Kevin Howe then gave a project update. (Exhibit 7) He started with the offsite investigation. The object was to define the extent of the distribution of the contamination south of the plant and to characterize the geology of the groundwater beyond the boundary of the plant. Two phases have been completed. Three initial soil borings were

done to obtain geology information. Sixty-three direct push groundwater samples were taken from 44 locations. One fixed monitoring well was installed. There were six surface water samples taken along with twenty-five sediment samples. Phase one fieldwork was completed in June and July of 1999 and the sample results were available in August of 1999. Explosive contamination was not found in most areas of the investigation. The contamination found was limited to the Brush Creek area. Only low levels of 12 ppb were found. The health advisory level is 2 ppb. In phase two one sample had elevated explosive levels of 97ppb. It was 2000 feet west of Brush Creek near old highway 61. They installed a well there considering we would want to monitor that location in the future. There was a confirmation sample collected. It is currently being analyzed and verified. Low levels of explosive compounds are present in surface water and sediment along Brush and Spring Creeks beyond the IAAAP boundaries. Harza is in the process of providing a technical memo regarding their efforts to date. It will include recommendations for what we should do. More fixed water wells will be installed based on an assessment of the data. The plan is to have an offsite groundwater-monitoring program. The EPA would like to see the army canvas the area to see if any new families have moved into the area after the Rathbun water hookups were made. If the army does canvas it will be in a very limited area.

Next he moved onto phase three of the Focused FS Project. Phase three concern is with the west burn pads and burn cages area. It is a 7-acre site containing 2 former open burning areas and 2 landfill areas. He explained that the current estimate of contaminated soil was extremely higher than what was in the ROD. They have found up to 27000ppm of RDX in some of the soil, 13,100ppm of RDX in the leachate near the landfill toe, and 326ppm of RDX in an unnamed tributary at the landfill toe. They have found 60,000ppm of Barium in the soil and 440ppm of Barium in the leachate. The Barium levels significantly exceed the Toxicity Characteristic Leaching Procedure (TCLP) level of 100ppm. Consequently this soil is qualified as being hazardous waste by EPA guidelines. Excavation had to be stopped and the soil can not be placed in the inert landfill until it is treated for Barium. This could result in an alternative remedy. Kevin would like to see the soil exhumed to the landfill, however treating the soil will significantly increase the costs. They are concerned beryllium dust radioactive materials, or unexploded ordnance (UXO) could be buried there.

Lastly, he spoke about the long-term monitoring program. Approximately 215 wells were sampled along with numerous surface water samples. The analytical data is expected in late February. Line 1 & 800 surface water samples continue to show low levels of explosives in the fall and winter.

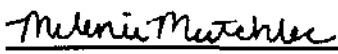
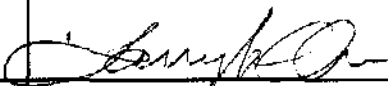

Public Comment

Rodger Allison reminded the RAB to be thinking about another Co-Chair. Larry Orr will send out letters to the members who have not been attending to let them know they can attend as a member of the public, but they are no longer be a member of the board.

Next Meeting/Agenda

The next meeting will be held on February 17th at 4:30 p.m. at a site to be determined. The agenda will consist of comments on the RAB presentation, membership, Co-Chair election nominations, marketing committee report, Earth Day report, and an update form USACE.

The meeting adjourned at 6:30.

		
Melenie Mutchler Secretary	Larry Orr RAB Co-Chair	Rodger Allison IAAAP Co-Chair

- Exhibits:
- 1 Attendees
 - 2 Agenda
 - 3 RAB Presentation
 - 4 Marketing Committee
 - 5 Larry's Ad
 - 6 DOE Information
 - 7 Project Update Presentation

EXHIBIT 1

RAB MEMEBRS PRESENT

Jeff Bergman
Glen Fullhart
Mark Hagerla
Don Kuechmann
Larry Orr
Eric Orth
Dean Vickstrom

RAB MEMBERS NOT PRESENT

Michael Boyle
Marjorie Fitzsimmons
Raymond Hall
Richard Wiele

GOVERNMENT MEMBERS

Rodger Allison
Colonel Elliott
Tim Howard
Scott Marquess
Kevin Howe
Larry Johnson

PUBLIC

Bob Whistine
Mike Guely
George Rael
Robert Griswold
Matt Edwards
Jeff Hibler
Robert Anderson
Jack Polson
Greg Hayes
Melenie Mutchler
LTC William Candler
CPT Craig Gehrels