

**IOWA ARMY AMMUNITION PLANT  
RESTORATION ADVISORY BOARD MINUTES  
MARCH 16, 1999**

The Restoration Advisory Board (RAB) meeting was held at 7:00 p.m. on March 16, 1999 at the Pzazz Motor Inn. See Exhibit 1 for attendees.

Larry Orr welcomed everyone and called the meeting to order.

Rodger Allison suggested adding a presentation on the off post wells sampling effort. It was added after the discussion of Earth Day.

Then Rodger spoke about the outbrief for the ITR. He said a concern was with reopening the Old Fly Ash Landfill. They were concerned it was no longer a restoration site and was now a Clean Water Act issue and may need different funding. The ITR felt that the groundwater efforts were going well, but we needed more of an entrance and exit strategy. They also felt there could be a safety issue with the LTTD unit. A few ITR members made comments on the public participation, and how well the IAAAP works with the regulators. They felt it was like one big team effort which they generally appeared to be unused to. Rodger explained that an outbrief of this type is typically middle of the road and does not overly criticize nor praise. The outbrief did not leave some team members nor the command staff with a good handle on the status of the Restoration program. We will have to wait on the final report.

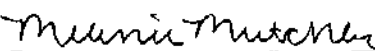
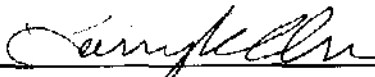

Larry Orr was glad that they didn't tell us to slow down on our groundwater efforts. He asked Rodger if the EPA would have to be involved in the entrance and exit strategy. Rodger replied yes it would need to be a team effort by having everyone involved including the RAB. Rodger said that we don't have anything clear cut and written defining our strategies. This does not mean that we have no strategy just that it's not written and clearly defined for those not involved with the IAAAP restoration efforts. Rodger indicated he may try to add it to the Installation Action Plan.

Jeff Berman was concerned that the cleanup efforts have been focused on human risks not on the ecological risks. He thought that in the future Phytoremediation could be used as a cleanup option. He asked Rodger to speak about all the different types of people at the ITR. Rodger explained that there were Geologists, Hydrogeologists, Conservationists, Decision Analysts, Chemists, and Lawyers to review our program. Some organizations represented were the Army Environmental Center, EPA, US Fish & Wildlife, RAB, Corps of Engineers, and academic universities. In four weeks Rodger expects to have their report. Once IAAAP gets the report they will have a month to respond. Once the response has been sent there will be a conference to discuss the changes and one final document will be made. The whole process can take up to 16 months.

The RAB members decided to wait and discuss Earth Day after Linda Beran's presentation on the off post groundwater investigation.

Linda began her presentation by pointing out the project objectives. Harzas' objectives are to collect data to characterize groundwater hydrology and to determine the contamination distribution. First they plan to take 3 soil borings to define the local geology, define perched and groundwater aquifers, and to define the top of the bedrock. They will use this data to evaluate past and possible future impacts on residential wells. This investigation will be broken down into two phases. During phase one they will sample 44 location for a total of 55 samples. These locations were marked on a map for the members to see. See Exhibit 2. The results will be used to initially define the extent of contamination distribution. This data will be used along with data from sediment and surface water samples to locate the phase two points. During phase two, they will sample 28 locations for a total of 43 samples. Once all of the data is analyzed they will decide where to put the monitoring wells. Right now they are planning on 21, but that number can change based on what they find. They plan to have 15 shallow wells at approximately 25 feet deep and 6 deep wells at approximately 50 feet deep. Harza also plans to sample 5 residential wells. They will chose the location of these wells based on the phase one and phase two findings, previous sampling results, and the location of the well. They will also install three staff gages in various creeks to determine groundwater flow. She spoke about trying to work around planting and harvesting seasons. She plans to meet personally which land owner to explain what they will be doing. Larry asked her to tell each of them about the RAB so if they have any comments they could attend a meeting.

When she was finished Larry suggested that the members break off into a work group and discuss the brochure, Earth Day, and brainstorm membership/recruitment ideas. That adjourned the public portion of the meeting at 7:55.

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

- Exhibits:    1    Attendees  
                   2    Sampling Locations Map  
                   3    Agenda

## **EXHIBIT 1**

### **RAB MEMBERS PRESENT**

Jeff Bergman  
Kathy Christy  
Glen Fullhart  
Larry Orr  
Eric Orth  
Dean Vickstrom

### **RAB MEMBERS NOT PRESENT**

Bob Arbige  
Michael Boyle  
Marjorie Fitzsimmons  
Mark Hagerla  
Raymond Hall  
Don Kuechmann  
Richard Wiele

### **GOVERNMENT MEMBERS**

Rodger Allison  
Capt Davis

### **PUBLIC**

Melenie Mutchler  
Greg Hayes  
Ben Letak  
Greg Johnson  
Rob Hallett  
Fred Taylor Jr.  
Jeff Hibler