

**IOWA ARMY AMMUNITION PLANT
RESTORATION ADVISORY BOARD
MARCH 11, 2004**

The Restoration Advisory Board meeting was called to order by Richard Johnson at 5:00 p.m. on March 11, 2004 at the Burlington Ballroom located in the Burlington Apartments.

Minutes Review

The minutes were approved as written.

Agenda Review

Jeff Bergman requested a section be added under Marketing to talk about Earth Day events. Rodger Allison stated that Mark Wunsch would be taking Sharon Cotner's place for the FUSRAP presentation. Brian Harcek stated that he would be presenting for Sharon Cotner.

Public Comment

Larry Orr stated that he could not attend the last RAB meeting but he did have a few questions on the thermal deconstruction. Mr. Orr read some of his questions aloud: 1. What is the long range plan? 2. What other options are available? 3. What type of air pollution will it cause? 4. What is the desired temperature range and how is it kept?

Bruce Workman asked where the Army was in the process now. Rodger Allison stated that a request was sent for funding through environmental channels, but the request was declined. Right now the Army is looking for additional funding channels. The next request will be sent to Headquarters Joint Munitions Command.

A member of the public asked if there were other alternatives to dismantle the building. Rodger stated the buildings could be dismantled, but there is a safety factor. There could be explosives in the pipelines and if someone is cutting apart the pipe it could cause an explosion. The Army will work with all of the stakeholders throughout the process. Bruce stated that he has had members of the public ask him about possible air pollution from the burns. He asked if there was information available on what contaminants could be found in the air. Scott Marquess stated he would look for a resource. Larry Orr will get a copy of his questions to Rodger.

Paula Graham asked if the information would be available online. Melenie Mutchler stated that if any information was found it would be placed on the website.

Rodger Allison introduces Steven Bellrichard a new environmental specialist on staff and Darlene Norton, newly assigned Public Affairs Officer for the Iowa AAP to the RAB.

Hydrogeology

Ira May from the Army Environmental Center gave the RAB a presentation on groundwater. Please see exhibit 3 for a copy of his presentation.

During the presentation Bruce Workman asked if water came out of the ground would it be a spring. Ira explained that if the water came out of the ground on its own it would be a spring, but if the water comes up out of the ground during a well installation it is called an artesian well.

Paula asked what types of chemicals found at the Iowa AAP would biodegrade. Ira stated that TNT and RDX would biodegrade, but Metals would not. Freon would biodegrade but not as rapidly as TNT and RDX. Jeff Bergman asked how sinkholes related to surface water and groundwater. Ira stated that sinkholes are formed because the limestone underneath is dissolving. As it dissolves it forms a cavern and everything above it collapses all of the water that enters into the cavern enters the groundwater.

Vaughn Moore asked if an earthquake would change the movement of the groundwater. Ira stated that if it was sizeable enough the flow could be rerouted. There hasn't been a sizeable earthquake in Iowa since 1835. Dan Cook stated there was an earthquake in Northeast Iowa that caused particles to become suspended, but in a few days it was back to normal.

Rick Johnson thanked Ira for his presentation.

FUSRAP Update

Brain Harcek stated that Sharon Cotner and Lou Dell'Orco both sent their apologies that they couldn't make it. Sharon had a prior commitment and Lou has been deployed. Brian briefed the RAB from briefing charts. Please see exhibit 4 for his presentation. Brian was asked where the samples were taken from. He stated the samples were taken from the existing off-site monitoring wells. Seven Surface water samples were taken on the plant and 5 were taken off the plant in Brush Creek. Fourteen of the forty samples had detectable levels in them, but none of them were a concern. Rick Johnson asked why background was not established. Brian stated that numerous samples would have needed to be collected to determine what the background levels would be. Since there were samples being collected [for the ER,A effort] it made sense to go ahead and analyze the samples[for Rad]. If the levels came back low enough in the samples then it wouldn't be necessary to determine where the levels came from.

Paula Graham asked if private wells were tested? Brian stated that the wells were monitoring wells owned by the government and some of them were on private property. Private drinking water wells were not sampled.

Scott Marquess stated that in the next couple of months a proposed plan with a clean up remedy for the off site plume should be available. That plan will not include RAD because we don't think there is any there. Rick Johnson asked if there was a health risk associated with RAD. Brian stated that there wasn't.

Vaughn Moore stated that the original burning field was across from the pistol range. The Atomic Energy Commission was the first to burn there. That area is near Spring Creek. Was Spring Creek tested for RAD? Kevin Howe stated there were wells there, but he was unsure weather or not they were tested for RAD? Ira May stated that the G series wells were tested for RAD.

Scott Marquess suggested adding a review of the off site RAD groundwater data to the May 2004 RAB meeting agenda.

Project Update

Kevin Howe briefed the RAB from briefing charts. Please see exhibit 5 for his presentation. Kevin was asked if there was Freon found in the soil at Line 9. Kevin stated that it was found in the soil but it was more of a problem in the groundwater.

Committee Reports

Marketing/Earth Day

Jeff Bergman stated that Earth Day activities were scheduled for April 24th at the Port of Burlington. He thought it would be a good opportunity to get the RAB display out. Dan Nelson volunteered to make sure the display was out there. Bruce Workman checked with the library. They stated the display could be set up there, but it would be in a non-secure area. Anytime after tax season will work. Richard Johnson stated that the hospital said it could be placed in an entry way. They just asked for the dates and times. Jeff Bergman said he will find out more about the welcome center.

Training

Bruce Workman stated that presentations at the last two meeting have been coordinated by the training committee along with Rodger Allison. They are trying to bring in people to talk about subjects that are timely and pertinent.

Recruiting

Larry Orr is still speaking with one person about joining the RAB. He would also like to see a younger person on the board.

Budget

There was no report at this time.

Public Comment

Richard Johnson stated that all of the RAB members received a copy of the Draft Revised Proposed Rule in their packets. If the members have any comments get them to Rodger Allison between now and the next RAB meeting. Scott asked if the Army could summarize the document. A member of the RAB asked what caused the proposed rule to be written. Scott stated that RAB's were formed, but there were no formal rules written for them. The Army is just trying to formalize the process.

Rodger Allison stated that next Tuesday the performance based contract bidders will be onsite. The bidders will meet at the Burlington Apartments and then they will take a Trailways bus to the plant for a tour. The RAB members were invited to attend as well.

Kevin suggested having someone from URS come to a meeting to present groundwater modeling. He stated their presentation would be more interesting than the presentation that he gave today. Richard Johnson suggested that Kevin speak with Bruce Workman about it.

Someone asked what would be put into the ground to remediate the off-site groundwater plume. Currently the Army is looking at enhanced bioremediation. This process will use natural bacteria to eat the explosives. The Army will help the bacteria by creating conditions for their growth. Molasses or acetate could be added. These things are innocuous to people but they are a

food source for the bacteria. What is actually done will be determined by a treatability study to determine what works best.

Community Co-Chair Nominations

Jeff Bergman nominated Eric Orth. Rick Johnson seconded the nomination. Eric was elected the new Community Co-chair by a unanimous vote.

Award Nominations

Rodger Allison stated that the RAB members have a copy of the awards policy in their packets. The nominations must be received by March. Rodger asked that the nomination be written to help in preparing the awards.

Next Meeting/Draft Agenda

The next meeting will be held May 13, 2004 at the Burlington Apartments. A presentation on Groundwater RAD detections and how and why the decisions were made will be on the agenda.

The meeting adjourned at 7:26 p.m.

Original signed by: Melenie Mutchler Secretary	Original signed by: Richard Johnson Community Co-Chair	Original signed by: Rodger Allison Army Co-Chair
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- Exhibits: 1 Attendees
 2 Agenda
 3 Hydrogeology
 4 FUSRAP Status
 5 Project Update

Exhibit 1

RAB MEMBERS PRESENT

Joel Behne
Jeff Bergman
Marjorie Fitzsimmons
Richard Johnson
Dan Nelson
Larry Orr
Eric Orth
Dean Vickstrom
Bruce Workman

RAB MEMBERS NOT PRESENT

Glen Fullhart
Mark Hagerla

GOVERNMENT MEMBERS

Rodger Allison
Jim Nelson
Scott Marquess
Dan Cook
Dan McGhee

PUBLIC

Melenie Mutchler
Howard Reif
Mark Wunsch
Brian Harcek
Lasca Yerington
Paula Graham
Ira May
Vaughn Moore
Leon Baxter
Sivert Iveasen
Darlene Norton
John Carroll
Steve Bellrichard
Stan Levenger
Mike Samelak
Kevin Howe