

**IOWA ARMY AMMUNITION PLANT  
RESTORATION ADVISORY BOARD  
SEPTEMBER 16, 2004**

The Restoration Advisory Board meeting was called to order by Rodger Allison (in Eric Orth's absence) at 5:00 p.m. on September 16, 2004 at the Winegard Board Room located in the Burlington/West Burlington Area Chamber of Commerce.

**Minutes Review**

The minutes were approved as written.

**Agenda Review**

The agenda was approved as written.

**Public Comment**

There were no public comments at this time.

**On-Site Radiological Screening**

Sharon stated the screening survey was conducted based on issues raised by former workers and documents. They completed screening at Explosive Disposal Area (including North Burn Pads, North Burn Pads Landfill, West Burn Pads and the East Burn Pads), Line 1 Impoundment, Demolition Area and Inert Disposal Area.

Brian Harcek briefed the RAB from briefing charts. Please see exhibit 3 for the presentation.

Vaughn Moore asked what was being checked for during the screening. Brian stated that radiological contaminants were screened.

One area of interest was found at the Inert Disposal Area. The object was 1 ½ inches by 1 ½ inches. It is suspected to have been burned at the West Burn Pads and then transferred to the Inert Disposal Area. The object could be a check source or a density gauge. Both are used in industry and both have been used by AEC and the Army. The surrounding soil has been covered and once the origin of the object has been determined the soil will be disposed of.

Sivert Iverson stated that things that were not sent to Pantex were taken to the division B burning field and flashed and from there it was taken to the dump.

Mark Hagerla asked how deep the object was. The object was found 8 inches into the soil. Mark stated he thought the area was covered. Brian stated the soil was treated for barium, but not checked for RAD. The flyover did go over this area, but it couldn't see the object due to its depth.

Brian stated the object measures 1.2 millirem per hour and one chest x-ray is 10 millirem per hour.

Vaughn Moore stated the old antenna farm used electron tubes which could have been where this item came from..

A RAB member asked how long the object would have to be there to contaminate the soil around it. Brian stated that if he knew the source he could give a better answer.

Dan Cook stated that soil doesn't "become" radioactive; the item loses radioactive particles. There isn't a way to separate the particles from the soil. Dan Nelson asked what will be done with the soil. Brian stated that it will be put into barrels and shipped to Utah.

Alison Hart asked if we were satisfied there were no more objects where that came from. Brian stated that there was nothing else found.

### **PBC – Technical Approach**

Rick Arnseth briefed the RAB from briefing charts. Please see exhibit 4 for his presentation.

Alison asked when the last time an off-site groundwater sample was taken. Rick stated it was in May or June. She then asked if we had a report. The report is currently being prepared by USACE. The wells at the southern edge of the plume are still clean. We will know more once we get the validated data and the plume maps from USACE.

Eric asked if a threshold will be hit with in-situ biodegradation. Rick stated there would be at some point. Vaughn Moore asked if in-situ biodegradation only worked with RDX. Rick stated it would work with all organic molecules.

As a side note, Vaughn also stated that sump trucks leaked and water was sloshed out when they turned corners as they transported contaminated water throughout the facility. He suggested sampling along the haul routes.

Alison asked if the annual monitoring was keeping with what USACE was doing. Rick stated it was.

A RAB member asked what would happen if the pilot study did not work. Rick explained that Tetra Tech would have to find an alternative way of remediating the contamination at no additional cost to the government.

Mark Hargela asked if there was a priority list and what those priorities were. He also asked what kind of completion schedule exists. Rick stated they have presented a schedule that meets FFA deadlines to the Army. Mark asked who Tetra Tech takes direction from and if they were working with USACE and the EPA. Rick explained the contract was with the Army Environmental Center. LTC Rory Tegtmeier stated that Rodger Allison just finished school so he will be the Contracting Officer Representative. Rodger, Tetra Tech and the EPA have been working to revise the existing schedule. LTC Tegtmeier further explained that that the FUSRAP portion must stand alone due to reasons explained in earlier meetings. USACE-Omaha is still involved with the clean up process at the Iowa AAP and has contracts underway. Kevin Howe is still fully involved with that portion of the effort. The Iowa AAP and AEC want USACE-Omaha to do quality assurance work and document review. Mark stated he was not comfortable with the new operation. He felt comfortable with USACE-Omaha and EPA Region VII. He feels less comfortable with USACE-St. Louis. The Army created the problem, and now with this

new contract, they are less involved with oversight. He feels the more agencies that are involved the better off we are.

### **Ecological Risk Assessment**

Lia Gaizick briefed the RAB from briefing charts. Please see exhibit 5 for his presentation.

Paula Graham asked what would happen if a species was contaminated. Lia stated the animals are not destroyed. The habitat is cleaned up and we do not medically treat the deer.

Vaughn Moore asked how we will tell if a contaminated deer was an Army deer or an AEC deer.

Allison asked if people were allowed to fish in the lake. People are allowed to fish on the installation. She also asked if there have been any abnormalities from a RAD contaminant. Lia stated there were no overt signs of problems in animals from depleted uranium.

The current Ecological Risk Assessment for the plant does not address radiological contaminants. This portion will be completed by FUSRAP.

Paula stated that she received a report from ATSDR that stated there wasn't any contamination to the plant and animals. The report also stated that people were issued government clothes to work in, but she has seen pictures of the machinist working in street clothes. She tried to get ATSDR to change the report, but they refused. Sivert stated that the University of Iowa is still trying to get the report changed. Paula stated that ATSDR used data from Pantex to write their report not data from Iowa.

Allison asked if there was a way to determine which generation has abnormalities. Lia stated that it would be hard to do in an eco-study.

### **Committee Reports**

#### **Marketing**

There was no report at this time.

#### **Training**

There was no report at this time.

#### **Recruiting**

Larry Orr introduced Elyn Holten-Dean as our newest RAB member. She is in charge of hazardous waste for the Des Moines County Regional Waste Authority. He stated he was impressed by her can do attitude and welcomes her to the RAB.

#### **Budget**

There was no report at this time.

#### **Public Comment**

There was no public comment at this time.

**Awards**

LTC Tegtmeier presented Glen Fullhart a certificate of appreciation for his service with the RAB from 1997 to present and a commander's coin. Richard Johnson was presented the Commander's Award for Public Service and a commander's coin for his service as the RAB Co-Chairman from 2002-2004.

**Next Meeting/Draft Agenda**

Scott Marquess asked if it would be possible to change the day of the week of the RAB meetings to allow the EPA to conduct or participate in other activities when they come for a meeting. After some discussion, the RAB agreed to change meetings to the third Tuesday of the scheduled month. The next meeting will be November 16, 2004. The meeting will be held at the Winegard Board Room in the Burlington/West Burlington Area Chamber of Commerce. Agenda items will include a sampling plan for Brush Creek, a project update, and a FUSRAP update.

The meeting adjourned at 7:23 p.m.

Melenie Wonderlich Secretary	Eric Orth Community Co-Chair	Rodger Allison Army Co-Chair
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- Exhibits:
- 1 Attendees
  - 2 Agenda
  - 3 On Site Radiological Screening
  - 4 PBC – Technical Approach
  - 5 Ecological Risk Assessment

Exhibit 1

**RAB MEMBERS PRESENT**

Glen Fullhart  
Marjorie Fitzsimmons  
Mark Hagerla  
Richard Johnson  
Dan Nelson  
Larry Orr  
Eric Orth

**RAB MEMBERS NOT PRESENT**

Joel Behne  
Jeff Bergman  
Dean Vickstrom  
Bruce Workman

**GOVERNMENT MEMBERS**

Rodger Allison  
LTC Rory Tegtmeier  
Scott Marquess  
Dan Cook

**PUBLIC**

Lia Gaizick  
Sivert Iversen  
Brian Harcek  
Sharon Cotner  
Ron Frerker  
Lasca Yerington  
Paula Graham  
Rick Arnseth  
Vaughn Moore  
Darlene Norton  
Howard Reif  
John Carroll  
Alison Hart  
Christina Nichols  
Leon Baxter  
Steve Bellrichard  
Melenie Wonderlich