

**IOWA ARMY AMMUNITION PLANT  
RESTORATION ADVISORY BOARD  
MINUTES  
JANUARY 16, 2007**

The Restoration Advisory Board meeting was called to order by Rodger Allison, in Eric Orth's absence, at 5:00 p.m. on January 16, 2007 at the Winegard Board Room located in the Burlington/West Burlington Area Chamber of Commerce.

**Minutes Review**

The minutes were accepted as written.

**Agenda Review**

There was one change to the agenda. The Co-Chair Election for Eric Orth will not be held due to Mr. Orth's absence and lack of a quorum.

**Public Comment**

Sivert Iverson commented that we are consistently advertising for the RAB, but no one is attending.

**MMRP Update**

Andrew Maly briefed the RAB on the MMRP. Below is a summary of his discussion.

Andrew stated that Jady Harrington from URS presented information regarding MMRP during our last meeting. Andrew further stated the Historical Records Review, being completed by URS, is ongoing and the results will be discussed with stakeholders at the end of February. Andrew covered the OU4 formal dispute regarding how the Army planned to continue with the MMRP. During the dispute, EPA asserted that the Army must address MMRP activities with the IRP actions under the existing FFA. The Army disagreed. The dispute could not be resolved at the installation level, worked its way through the Dispute Resolution Committee, and was elevated to the Senior Executive Committee (SEC). Andrew further stated that the SEC concluded that there were seven areas on the IAAAP where munitions are used, tested, or have been used in the past. These areas are the Central Test Area (CTA), Line 6, West Burn Pads (WBP), Possible Demolition Site (PDS), Incendiary Disposal Area (InDA), Firing Site, and the Demolition Area. However, the Demolition Area and the Firing Site are active ranges and are not eligible for MMRP. The other five areas (CTA, Line 6, WBP, PDS, and InDA) are no longer used and are eligible under the MMRP. Andrew mentioned that the timeline agreed to is an aggressive schedule. Nevertheless, Mr. Davis' office (Deputy Assistant Secretary of the Army for Environment, Safety, and Occupational Health) has agreed to fund actions necessary to meet an accelerated schedule. The MMRP Site Inspection for the IAAAP will be completed by September 2007 at which time parties will reach conclusion if any further work is required at the five sites listed above. If further work is required, a Remedial Investigation will be completed. Andrew stated that the ultimate goal is when the IRP finishes, that MMRP will be done at that time as well.

Mark Hagerla asked if the formal dispute is resolved. Andrew stated that the formal dispute was resolved on December 21, 2006. Rodger Allison added that the dispute was ongoing for several months, and the Army was pleased to reach resolution and move forward with the cleanup.

### **Project Update**

Rick Arnseth briefed the RAB from a slide presentation. Please see exhibit 3 for his presentation.

### **Off Post**

Mark Hagerla asked about the additional well installation in the off post area and wanted to know why the Army could not use the wells already installed for the remedial action. Rick answered that the Army will still use the present wells in the off post area for monitoring purposes, but Tetra Tech will have to install additional injection points to transport the carbon to the right areas. Rick further stated that they might have to install additional monitoring wells to measure the concentration.

### **Comprehensive Watersheds Sampling**

Jeff Bergman asked if the last two dry years have affected our ability to acquire groundwater samples for the comprehensive groundwater fieldwork. Rick answered that the dry weather could explain our inability to obtain groundwater in some areas, but that there also may not be any groundwater in those areas to attain regardless of the rainfall conditions.

### **On Post Soil Removals – Line 800 Pinkwater Lagoon**

Mark Hagerla asked if the line 800 lagoon was drained in the past. Rodger answered that the lagoon is drained once a year. Mark further asked why this contamination was not previously located. Rodger stated that the contamination is located in an area that the Army formerly used as a settling basin periodically. During periods of inactivity, clay was placed on top of the basin to prevent slopping. The Army excavated the area in 1996/1997, installed monitoring wells, and stopped at a depth of about 10 ft. During installation of monitoring wells, we found a soil layer heavily contaminated with TNT at about 14 feet. Groundwater samples downstream also revealed unexplained TNT hits, so we realized we hit a false bottom when we excavated in 1997.

Mark stated that it would make sense to wipe out the lagoon and excavate all contamination. Rick responded that the contamination is below the groundwater table and they will treat the left over contamination along with groundwater, but leave the pond in place because it serves a purpose to treat remaining residual contamination in the surface soil using phyto- and photo-remediation. Mark asked if we were sure that the treatment would clean up the contamination. Rick answered that the contamination would be cleaned up, but the process would take longer (decades). Mark asked why are we leaving stuff in place when the whole purpose is to clean up the facility? Rick stated that the Army would implement land use controls in the lagoon area. Rodger asked if cleaning up that soil would take as long as cleaning up the groundwater, and Rick agreed that it would take as long. Mark added that as long as the information is documented that the contamination is there then it should be okay.

Richard Johnson asked how deep Tetra Tech sampled at the line 800 deep dig. Rick responded that Tetra Tech sampled down to 24 feet. Richard further asked if there is possibility that we hit another false bottom. Rick stated that it is hard to imagine what sort of settling basin would have existed that would have gone that deep. Rick further stated that the monitoring has revealed that the groundwater in the bedrock is clean.

Mark Hagerla asked if there are wells on the installation that we use for drinking water. He suggested that we sample them in case they hold contamination. Rodger Allison stated that the wells on the installation are very deep and were never used for drinking. Rodger further stated he does not recall sampling in these wells, but these wells are not in the lagoon area. Rick Arnseth further added that the wells are quite a bit deeper, and there are bedrock wells much shallower that have no contamination. Rick stated that it is hard to imagine how contamination would get through all the layers, some of which are impermeable.

#### On Post Soil Removals – IDA

Richard Johnson asked if Trench 6 and 7 is where the soil with high levels of heavy metals go. Rick Arnseth answered that any soil requiring treatment is disposed in Trench 7 first. If the risk is  $10^{-6}$  or  $10^{-5}$ , the soil goes into Trench 6. Rick further stated that soil contaminated with heavy metals go through a stabilization process if required.

Steve Bellrichard asked what Tetra Tech's timeline is for closing the Inert Disposal Area. Rick answered that they could be ready to cap trench 6 in 1 to 1<sup>1/2</sup> years if everything goes smoothly. Rick further stated that Tetra Tech will try to accommodate FUSRAP's schedule if possible.

#### Work Session – Operating Policy Update

Rodger Allison spoke briefly about the draft operating policy and presented it at this meeting to be accepted at the next meeting.

Mark Hagerla asked if there were any major changes to the policy. Rodger Allison responded he organized the policy and added authority, mission, goals, objectives, duties of the committees, and better defined the goals.

Richard Johnson asked if we could procedurally count this session as an official presentation since a full quorum is not present. Rodger answered that this should count as an official presentation since the absent members have access to the policy. LTC Jack Judy responded that revising the policy was his idea and he suggested the policy be updated in regards to the mission, goals, objectives, committee chairs, etc. so everyone could easily understand them.

Richard Johnson asked what the quorum requirements are. Rodger Allison responded that 50% of the sitting community members are required to be present to vote.

Jeff Bergman suggested the purpose of the RAB section move to number two on the policy and the amendment section placed at the end. Rodger Allison acknowledged the suggestions, and will revise the policy.

Richard Johnson suggested we reestablish the full quorum to 1/3 of the present community members. Richard also suggested calling the members and expressed his concern that the folks on the board are not attending and we are consistently below quorum, and therefore, are unable to vote. Rodger stated that we could change the quorum establishments to 1/3 of the present community members.

### **Community Co-Chair Election**

Since a full quorum is not present, and Mr. Eric Orth is absent, parties will wait to re-elect Eric at the next RAB.

### **Member Participation**

Rodger Allison referenced what the existing operating policy says regarding member absentees: if members miss 25% of the meetings within a 12-month period without notification of the chairs, they may be considered for dismissal. There was a lot of discussion about member participation, and parties suggested modifying the quorum requirements. Rodger will change the definition of quorum to 1/3 of present community members. Mark Hagerla added that we need active members because the RAB is an important committee. Rodger suggested sending a letter from the IAAAP Commander to pursue members that are more active. Parties agreed to this approach. Rodger further stated that the next meeting will be the final vote for the operating policy changes and we will count silence or absence as an affirmative vote.

Jack Judy mentioned the possibly of getting schools or clubs involved in the RAB.

Jeff Bergman added that since there is not any new information, the public is not attending. When an event like the worker health issues occurs, that spurs interest.

Rodger acknowledged everyone made good points, but he does not know how to spur interest. Jeff further stated that it is not just our committee, that other committed have attendance problems too. Jack Judy suggested getting the word out to the public through organizations such as business after hours.

Jeff Bergman asked how much money have we spent to date on remediation. Rodger Allison responded that the Army has spent approximately \$85 million to date and when the program is finished, we will spend about \$110 million.

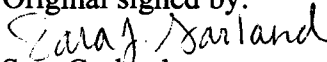
### **Public Comment**


Sivert Iverson stated that things are obviously slowing down at the RAB; he mentioned that participation in the former worker program is also dwindling. He further added we do a good job, people just do not show up.

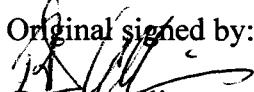
### **Next Meeting/Draft Agenda**

The next meeting was scheduled for April 17, 2007 at the Winegard Board Room located in the Burlington/West Burlington Area Chamber of Commerce. Agenda topics suggested were IRP project update, MMRP update, FUSRAP updated, Official Co-chair Election, Member Participation, and Operating Policy Acceptance.

The meeting was adjourned at 6:14 p.m.

Original signed by:  
  
Sara Garland  
Secretary

Original signed by:  
  
Eric Orth  
Community Co-Chair

Original signed by:  
  
Rodger Allison  
Army Representative

Exhibits:     1     Attendees  
                  2     Agenda  
                  3     Project Update

Exhibit 1

**RAB MEMBERS PRESENT**

Jeff Bergman  
Mark Hagerla  
Richard Johnson  
Dan Nelson  
Dean Vickstrom

**RAB MEMBERS NOT PRESENT**

Joel Behne  
Marjorie Fitzsimmons  
Glen Fullhart  
Elyn Holton-Dean  
Larry Orr  
Eric Orth  
Bruce Workman

**GOVERNMENT MEMBERS PRESENT**

LTC Jack Judy  
Rodger Allison  
Dan Cook

**GOVERNMENT MEMBERS ABSENT**

Scott Marquess  
Dan McGhee

**PUBLIC**

Sivert Iverson  
Andrew Maly  
John Carroll  
Sara Garland  
Steve Bellrichard