

**IOWA ARMY AMMUNITION PLANT
RESTORATION ADVISORY BOARD
MINUTES**

October 18, 2011

The Restoration Advisory Board (RAB) meeting was called to order by Mark Hagerla in Elyn Holton-Dean's absence at 5:05 p.m. on October 18, 2011 at the Comfort Suites Hotel.

Minutes Review

The minutes were accepted as written.

Agenda Review

There were no changes to the agenda.

Public Comment

LTC Bruens awarded Ron Frerker, from the USACE, the Certificate of Appreciation for his dedicated service to the IAAAP Formerly Utilized Sites Remedial Action Program (FUSRAP). Ron is retiring at the end of this year and this is will be the last RAB Meeting he attends.

FUSRAP

Ron Frerker briefed the RAB from a slide presentation. Please see exhibit 3 for his presentation.

Waste Quantity to Date CY2011 (Line 1)

Regarding Slide 4 of Ron's presentation, Vaughn Moore asked if the entire waste quantity shown here was referring to Line 1. Ron concurred.

Excavations

Mark Hagerla asked if Line 1 was still being utilized. Ron concurred. Mark asked if these excavations were around buildings where people are currently working in. Ron concurred and pointed to excavation EU-6A, for example, to show an area they recently excavated where the adjacent building is still active. Mark asked if this is the excavation that they started before and had to go over the top and underneath things. Ron said that this excavation, EU-6A, is where they were able to dig most of it but then had to come back to finish it. Ron explained the logistics due to its close location to a berm. Keith Jefferies, from SEC, explained that he thinks this is the area that Mark asked about - they backfilled this excavation with a rock truck over top of the building and they had to remove waste via a conveyor that ran under the building to get the waste out. Vaughn asked if they were referring to a brim or blow wall. Ron said that he was referring to a berm. Vaughn clarified the difference between a berm and blow wall...a brim is a mound of dirt 4-5 ft high and a blow wall is high in the air.

Mark Hagerla said that he has been asked questions about the decontamination of the inside of the buildings. Ron said that FUSRAP is cleaning up for the Department of Energy (DOE) and IRP is cleaning up for the Department of Defense (DOD). Ron then explained the negotiated settlement so that FUSRAP will address the soil in Line 1, and Rad in Line 1 and at the Firing Sites. Line 1 buildings with explosives contamination within, is not part of the negotiated settlement. Paula Graham said there are records where there was residual radiation found in some of the buildings on Line 1. Ron said there were three buildings on Line 1 where they found

residual radiation: one building was storage for Depleted Uranium (DU) and it was encapsulated, one building contained a contaminated grate, and the other building contained contaminated filters. Paula thought there was some residual radiation found in a pan too. Vaughn added that they found some in a crack in the floor too. Ron said that these will be taken care of in the Record of Decision (ROD) that was recently signed in September. Ron said there was a piece of DU found at Firing Site 5 and two chunks of DU found at Firing Site 6. One of the chunks found at Firing Site 6 was removed. There was also a DU chunk found at Firing Sites 1 & 2. This chunk was removed. Ron explained the removal of this chunk and how they got the area under the object completely cleaned up, they collected samples, and did a gamma walkover.

Excavation EU-7F, Slide 9

Paula Graham asked what contamination was found in this excavation. Ron said they found RDX, HMX, and TNT.

Line 1 Excavations

Mark Hagerla asked if the subcontractors working on these excavations are aware of the site hazards and the possible contaminants. Ron said yes and explained that they specify the possible site hazards and contaminants during the bid process.

Vaughn Moore asked how they would address the areas that are inaccessible like when they come up to a building or blow wall or some area that they cannot dig under or remove. Ron said after finding out about the building structures, etc, they go down as deep as they can and generally speaking they find out that what they are leaving behind is not really hot because most of the huge pockets of extremely hot material they are catching, but yes they are leaving behind some inaccessible material. Ron explained how so far, most of the contamination is not getting underneath the building, with the exception of building 1-70, in most cases the preferential pathway they have observed is along the side the building. Ron further explained the situation around building 1-70. Vaughn asked the depth of the groundwater plume at building 1-70. Keith Jefferies, of SEC, explained that they have found water at 7 ft deep. Rick Arnseth said they have encountered water at 10-15 ft. Mark Hagerla asked if this was the area where during heavy rainfall events, the extra contamination makes its way into Brush Creek. Ron deferred this question to Rick. Rick explained that they have found that there are some elevated levels of RDX coming out in ditches and the ditch that drains this area sampled down near Brush Creek has been high in RDX, but this is the only connection they have right now. Mark asked if investigation of this is a priority to get it cleaned up so that it doesn't run off the base. Rick concurred that it was a priority.

Paula asked if the employees moving up from Milan are working in these buildings now. LTC Bruens responded that currently no one is working in these buildings, but explained that there is production work moving up from Milan, but those lines are not active yet. LTC Bruens added that there may be workers in that specific line, but nothing from Milan that is completely active yet.

Mark Hagerla expressed his appreciation for Ron's service on the RAB.

IRP Project Update

Rick Arnseth briefed the RAB from a slide presentation. Please see exhibit 4 for his presentation.

Line 1 Groundwater Sampling

Vaughn Moore asked if Tetra Tech was drilling test wells within Line 1. Rick explained that they are currently in phase 1 of their investigations and are collecting surface water samples in some of these drainages and collecting groundwater samples via dry-point technology (DPT). Rick explained the DPT process. They will collect a bunch of groundwater samples via DPT during this first phase to guide them for the subsequent phase. The second phase will take place after the winter and they will install permanent wells within Line 1 during this phase. Right now, during phase 1, they need to get a better idea of where the contamination is.

Brush Creek RDX – Offsite, Slide 8

Paula Graham the average of RDX in Brush Creek offsite. Rick explained that the average is 6 ppb, but more recent data show the levels at less than 2 ppb.

Compliance Sites Update, Slide 9

Vaughn Moore asked if the only thing they are finding out at the Demo Area is RDX and questioned that they didn't find any lead azide. Rick said that they didn't find any lead azide in the groundwater. Rick added that they are not cleaning up the soil because that is still an active site.

Five Year Review Update

Rick Arnseth briefed the RAB from a slide presentation. Please see exhibit 5 for his presentation.

Paula Graham asked if there was any recent testing of the water in Lake Mathes. Rick said that Tetra Tech has not done any testing of the lake.

Hans Trousil asked where they are getting the borrow soil used for trench 6 cover. Rick explained that they are getting their soil from a borrow source area on C Road. Rick added that this soil has been tested and approved for use as backfill.

Paula Graham, getting back to her question above, asked if the lake has ever been tested in the past. Rick said that there is water and sediment samples from Lake Mathes collected during the original Remedial Investigation of the site. Paula asked if anything was found in the lake. Rick responded that he doesn't recall there being anything found in the lake because no one has ever suggested there need to be any action taken there. Paula said that the plant water supply was changed from Lake Mathes to the City of Burlington water and she has a document that says there were some sediment samples from the bottom of the lake and some samples contained radioactive something so she wonders if this is the reason they changed water supplies from the lake to the City of Burlington water supply because there may have been toxic substances running into the lake. Rick said he does not recall seeing any radiological analysis, but the samples he has seen did not show anything as he recalls. Rick explained the blow down water from the power plant/heat plant that was piped over to the lake for some period of time, but that is the only thing he is aware of. Paula said that she is concerned more about the people that used to drink that water and have gotten cancers maybe and such. Rick added that he does not know

why they switched to Burlington water. Leon Baxter, IAAAP, explained that they switched to Burlington water because it was cheaper to get water from the City of Burlington and Lake Mathes water was also too hard...it calcinated the potable water lines.

Public Comment

Vaughn Moore said they recently had their AEC picnic and a bunch of Army people showed up and some of these people have severe health problems and they want to file claims. Vaughn said they worked during some of the old component lines days, old load lines days, and some in Line 1 buildings. Vaughn said he doesn't know how to present this, but if there are people working out there and still getting sick, something is wrong. Vaughn said he doesn't know what is going on at the plant, but he wished someone could sit down with these sick people and listen to the stories that they have to tell because the stories aren't changing and this is unfair to the next generation. LTC Bruens spoke up and said that he doesn't have all the answers but he is not trying to hide anything and if people want to talk about it, he will definitely talk about it. In his opinion, any kind of service that anyone provides to our community or to our government is a great thing and we should never kick them to the curb and we will not do this as long as he is here anyway. Bruens added that the IAAAP now has a facebook page and this is one way for the community to communicate with the IAAAP. The RAB is another way to communicate with IAAAP. If a different forum is necessary, Bruens is more than happy to do that. Bruens said that he cannot speak for what happened at the IAAAP through the years and what happened in the past. However, he is here to do it now however necessary. He cannot promise any great and wonderful actions but he will promise that the IAAAP will listen and address concerns if they can. Bruens further added that he is trying to increase and improve the IAAAP's communication with the community. The IAAAP is not here to hide anything and in the end, the mission is to produce quality ammunition for the DOD while at the same time ensuring the community is taken care of because the IAAAP is a community assessment.

Mark Hagerla expressed his appreciated for LTC Bruens comments.

Mark asked if there has ever been a presentation of any kind that would show that the people who are working there now are safe and free from being contaminated and has the IAAAP learned their lesson from what has happened in the past and do the employees understand the dangers. Hans Trousil said that he recently had the opportunity to visit the production lines and what he saw was a very safe environment and the employees looked to be trained right and protected right, the equipment looked to be maintained, etc., from what he personally observed. Paula Graham commented that way back when, they had no protection. LTC Bruens said that the plant is a government owned, contractor operated (GOCO) facility and he is not against asking the operating contractor to give a presentation.

Vaughn said he is unsure if it is the buildings or the material the workers are handling, that is making the people sick.

Paula noted that the former Army workers aren't getting paid even though they were right down there working in the same locations as the contractor were working. Paula said that maybe these people need assistance filing for the Federal Employees Compensation Act. They are dying of the same things the employees of Mason and Hanger are dying from.

Co-Chair Election

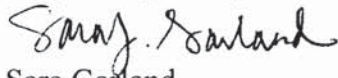
The co-chair election was postponed to the next meeting, but Elyn has expressed interest to serve another term.

Next Meeting/Draft Agenda

The next meeting was scheduled for January 17, 2012, but later postponed to January 24, 2012, at the Comfort Suites Hotel. Agenda topics suggested were, IRP project update, CC Update, FUSRAP update, American Ordnance Safety Issues Presentation, and potentially a Technical Assistance for Public Participation (TAPP) presentation since it is on the list of potential agenda items.


The meeting was adjourned at 6:35 p.m.

Original signed by:



Sara Garland
Secretary

Original signed by:


Elyn Holton-Dean
Community Co-Chair

Original signed by:



Redger Allison
Army Co-Chair

- Exhibits: 1 Attendees
 2 Agenda
 3 FUSRAP
 4 Restoration Project
 5 Five Year Review

Exhibit 1

RAB MEMBERS PRESENT

Mark Hagerla
Eric Orth
Dean Vickstrom
Vaughn Moore
Alan Koenig
Kim Perlstein
Hans Trousil

RAB MEMBERS NOT PRESENT

Elyn Holton-Dean
Bruce Workman

GOVERNMENT MEMBERS PRESENT

LTC Michael Bruens
Dan Cook
Sandeep Mehta

GOVERNMENT MEMBERS ABSENT

Rodger Allison

PUBLIC

Paula Graham
Lueene McCracken
Thurman Huffman
Linda Wobbe
John Carroll
Ryan Drew
Melanie Rasmusson
Jim Bard
Keith Jefferies
Ron Frerker
Daniel Huff
Pam Horton
Dean Johnson
Tony Jones
Steve Bellrichard
Cyril Onewokae
Tom Collinson
Christinia Crippes
Sara Garland