

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

April 16, 2013

The Restoration Advisory Board (RAB) meeting was called to order by Elyn Holton-Dean at 9:04 a.m. on April 16, 2013 at the Comfort Suites Hotel.

Minutes Review

The minutes were accepted as written.

Agenda Review

There were no changes to the agenda.

Public Comment

Elyn Holton-Dean thanked LTC Michael Bruens for his commitment to the RAB. This is his last meeting.

Passive Iron Bio-Reactor

Rodger Allison introduced Dr. Heather Smith from the Engineer Research and Development Center (ERDC). The Army is looking at ways to use technology such as the technology that Dr. Smith will present to assist meeting requirements of CERCLA. Rodger explained that to meet the requirements of CERCLA, the Army must remove the source, interrupt the contaminant transport mechanism, or ensure there is no human or ecological receptor.

Heather Smith, ERDC briefed the RAB from her slide presentation shown in exhibit 1 (Iron-Bioreactor for Surface Water Treatment).

Vaughn Moore asked about the water level in the ditches and how the water flow changes? Rodger stated that if this was to be employed it would not change water flow or direction. The ditches are not cleaned out/drained and water will flow through the system naturally. General discussion ensued about the surface water flow of some areas where this technology might apply. Rodger will show the water shed map at the next meeting.

Paula Graham asked if the treatment will only work for RDX. Heather Smith stated it will break down anything using electrons. Mercury is an element that cannot be broken down, but will bind to iron and stay. Other technology is also used for heavy metals.

Steve Bellrichard asked Heather Smith if this technology treats RDX and copper and similar contaminants of concern. Heather said yes, which makes it useful for treatment/containment in other areas.

Paula Graham asked about aquifers. Heather said this study/method treats surface water. Rodger Allison and Rick Arnseth explain methods Tetra Tech uses to treat ground water.

FUSRAP Update

Tony Jones from the US Army Corps of Engineers briefed the RAB from a slide presentation. Please see exhibit 2 for his presentation.

Vaughn Moore asked if funding is a need to tear down building 1-70. Rodger Allison states that first it has to be assessed for contaminants, which is funded. It has not been approved for removal. Vaughn asked if the building is taken down is there an estimate of how far down the soil needs to be removed. Ron Frerker, FUSRAP said the RDX levels at 5Q by building 1-70 will need to be excavated.

Paula Graham asked where the depleted uranium contaminates from the firing site would be disposed of. Tony said Energy Solutions disposal facility in Utah. Ron said they meet the concentration limits/volume and would likely be used. There are other facilities in St. Louis and Idaho. Tony said the soil would be shipped by railroad in phases.

Paula Graham asked if radiation was found outside the fence. Vaughn said they used to have fires outside the fence of the firing site, in the woods/brush. Tony said they are doing an evaluation of the entire area. Ron explained the findings from FUSRAP testing/evaluations.

Paula Graham asked about the flood of 1993 and the recent rain affecting soil. Ron explains how the levels of contaminates are detected after rainfall.

Inquiry Topics

Rodger explained the inquiry topics as questions posed by Mark Hagerla at the last RAB meeting:

- Mathes Lake Sampling – Uranium: Funding has been acquired. Contracting action has begun.
- Long Creek Sampling – Lead: Action is planned during field work the last week of May.
- Cap and Rock Disposal from 1-63: Vaughn spoke about the history of the 1-63 area. Ron explained the sensors and samples; walk over vs. flyover. The flyover is not as precise as the gamma walk-over's FUSRAP performed.
- Interest in TAPP dialogue: AEC Specialist will contact individuals. Vaughn said he received information in the mail.

Public Comment

- Review and sign new contact release form.
- RAB Tour planned for May 7, 2013 with the public meeting for OU5 MMRP Progress and IDA Sites. Time not set yet.
- OU9 Construction Debris Sites – work to start in May 2013.
- New RAB Member – Vaughn nominated Thurman Huffman.

Next Meeting/Draft Agenda

- The next meeting is scheduled for July 16, 2013, at the Comfort Suites Hotel. Agenda topics suggested were IAAAP water well history and aquifers, IRP update, and MMRP update/documentation.

The meeting was adjourned at 10:43 a.m.

Original signed by:



Jen Busard
Secretary

Original signed by:



Elyn Holton-Dean
Community Co-Chair

Original signed by:



Rodger Allison
Army Co-Chair

Exhibits: 1 Iron-Bioreactor for Surface Water Treatment Presentation
 2 FUSRAP Presentation

RAB MEMBERS PRESENT

Elyn Holton-Dean
Hans Trousil
Vaughn Moore
Alan Koenig

RAB MEMBERS NOT PRESENT

Mark Hagerla
Dean Vickstrom
Bruce Workman

GOVERNMENT MEMBERS PRESENT

LTC Michael Bruens
Rodger Allison
Dan Cook

GOVERNMENT MEMBERS NOT PRESENT

Sandeep Mehta

PUBLIC

Jen Busard
Jim Bard
Thurman Huffman
Linda Wobbe
Heather Smith
Jerry Miller
Dean Johnson
Paula Graham
Luenne McCracken
Tony Jones
David Evans
Debbie Wirt
John Carroll
Herbert Price
Allen Buren
Leon Baxter
Steve Bellrichard
Allison Hart