

RESTORATION ADVISORY BOARD MINUTES

April 17 2018

The Restoration Advisory Board (RAB) meeting was called to order by Jennifer Busard at 9:00 a.m. on 17 April 2018 at the West Burlington City Hall.

Minutes Review

The January 2018 meeting minutes were accepted as written.

Agenda Review

The April 2018 agenda was accepted as written.

New Members

Jen Busard indicated that RAB member Thurman Huffman has passed. She indicated that there was a card available to sign and send to his family for those who are interested. She also indicated that there were three vacancies on the Board in case anyone was interested.

Remedial Investigation Progress

Stephanie Park of CH2M HILL, now Jacobs, presented the Remedial Investigation Update. The Final Quality Assurance Project Plan (QAPP) for Packet 1, approved by USEPA, was submitted on 15 December 2017. USEPA comments on the Draft-Final version of Packet 2 of the QAPP were received on 1 March 2018; the Final is expected to go to USEPA in April 2018. The Draft Final Packet 3 of the QAPP is also expected to go to USEPA in April 2018. Preliminary fieldwork began 16 April 2018 to stake and clear proposed well locations, and collect data at contingency locations at those sites that do not include well installation and were included in the approved Packet 1. Full-scale implementation is anticipated to occur in late May pending USEPA approval of Packet 2.

Comments were received in September 2017 on the Draft Mathes Lake specific QAPP that was developed to evaluate surface water and sediment in Mathes Lake. The Draft Final is ready for USEPA but will be submitted after Packet 2. Currently it is expected to go to USEPA in April 2018. Vaughn Moore asked if the settling area will be sampled as part of the investigation. Stephanie asked if that area is within the lake boundary. Vaughn said it is not. Stephanie indicates that final locations have yet to be approved by USEPA, but that currently sampling outside of the Lake is not proposed.

Steve Bellrichard brings up that it has been four years since field work has been conducted at IAAAP and emphasizes the significance of field work is being resumed. He recognized and thanked the stakeholders for their work in getting the work resumed.

Randy Doyle asked if a GIS layer had been or will be developed that could be used by the facility as they look forward to redevelopment. Aaron Steele responds that a land use control implementation plan is an option on the CH2M contract and this type of deliverable would be a part of that document.

Mark asked about the watershed specific worksheet that address ecology. Does it have anything to do with the runoff water that is still contaminated in heavy rains? Stephanie

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responded that yes, first we will look at available data for sediment and surface water, and evaluate where there is ecological habitat. Mark clarified that he is asking about the impact to humans from runoff going offsite as it runs downstream. He said that as far as he knows, the source has not yet been identified. Stephanie said, I believe you are referring to impacts related to Operable Unit 3, which is offsite groundwater. Human health, because it is evaluated by site, will be evaluated under OU3, but ecology is looked at by water shed. He asked if CH2M will be looking at that and what the status was. Stephanie clarified that OU3 is located within Packet 3 which will go to EPA this month (April). Then field work will begin once EPA can review it (depending on where it falls within their review cycle), but our goal is to get all field work completed this year.

Aaron Steele asked if Mark's question was related to the schedule associated with the Brush Creek investigation. He assumed Mark was speaking specifically about Brush Creek. Marks said yes, are you going to catch the water and test the water when it rains? Aaron explains that the approach presented to EPA is two-fold. In one packet, OU3, we propose gauging Brush Creek at the offsite location where geology changes and some robust sampling around that area coupled with the watershed approach where we have a robust sampling planned from the northern edge of the plant to the southern edge, which will include sampling of the sediment and surface water in all waterways that run through the installation. So, it is planned for and has been presented. Jen asked Aaron if he wanted to mention the treatability study too. Aaron indicated that there is another contract ready for award that explores the treatability of explosives in surface water. Once completed, a report will be prepared for public review. Bruce Workman asked if there will be two monitoring sites, one at the release area and one downstream. Aaron said yes, the treatability study will look at water going into and out of each drum (or reactor) being tested.

Vaughn asked if the watersheds will cover all of them in the plant or just the main creeks. Stephanie said yes, it will include all of them and everything that feeds into them. Vaughn asked if soil sampling will be done in different areas where there is building demolition. Stephanie said she doesn't know what Leidos has planned for soil sampling, but sediment sampling which is also on the surface will be conducted where there is habitat. Vaughn said that due to flooding in heavy rains, the sediment may have been spread out. Stephanie said that typically sampling for sediment is focused in areas where sediment is likely to accumulate. Vaughn mentions that, as written in the Hawkeye Gazette, Miller Company is now using a new water treatment company/system that can remove just about anything in water. Randy said he had heard of it that they are exploring all options, but it is a very expensive technology. Vaughn said he didn't know if we could use because the plume south of town won't go away if we don't stop feeding it. Randy said the company claims they can get explosives out of water but they have never tested it. Therefore, they want the Army to send some water to them to test and we are trying to get them connected to the right people. Vaughn said that RDX is attracted to cast iron, which is a known fact. He said excavations at Line 1 may look like the Grand Canyon, but still may not fix the problem

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due to contamination in groundwater. Aaron said that most, probably 80 percent, of the RI focus is RDX contaminated groundwater. Stephanie, agreed that yes, it is at least 80 percent. It is a stepped process and our goal is to get through as much as we can, as fast as we can. Randy said that they are working with Zaynab and Aaron to get samples collected as buildings are razed. Zaynab said that soil was remediated under OU1, but where they had to stop excavating, Randy's contract is taking that over as buildings are razed. Vaughn said another problem is that when the Army took over the plant, they removed all of the sumps from the ground. Those sumps, however, pumped water from the buildings and discharged onto the ground.

Mark expresses concern over costs spent to date and apparent lack of progress. He reminds the board that this RAB was developed to restore groundwater to what it was before they operated the plant.

Hunter Blair from PARS gave an update on the onsite treatment systems. New treatment systems at the IAAAP (Line 1 and IDA) have been in operation since December 2017. A mobile trailer-mounted treatment system for Line 800 has been completed and is being stored at the IDA. The mobile unit will be tested in the Spring of 2018. There were no further questions.

FUSRAP Update

Mike Kessler provided an update on FUSRAP activities. With respect to OU1, only Building 1-70 is left for demolition and the RACR will be completed after that building is razed.

Mike presents the status of the Firing Sites 12 investigation and ongoing remediation per slides. Bruce Workman asked for excavation depths. Mike said it depends; on average, it is 2 feet but may be deeper near the source area and shallower away from the source area.

Vaughn asked how many rail road cars are shipped offsite with RAD contaminated soil. Mike indicated approximately 3,200 cubic yards. At approximately 155 tons/car, he estimated 30 cars.

Vaughn asked how concrete debris is managed. Mike said it depends on if it is contaminated. Concrete considered contaminated is shipped offsite with the soil. Concrete that is not contaminated can be stored onsite. Vaughn then asked how cleared trees and brush are managed. Mike said they are chipped and sorted. Clean chips are piled onsite and contaminated chips will be disposed offsite as other contaminated media. He clarified that the interior of the Firing Sites 12 area did not have radiological contamination.

Building Demolition Status

Randy Doyle, Environmental Coordinator at IAAAP, presented the demolition update. The demolition is part of the Army program to abolish obsolete infrastructure.

Recycling efforts are being made due to federal government mandate for sustainability.

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As such, the work will recycle and divert as much as possible, where feasible. Stewardship is the number 1 priority. To do all things in compliance with all laws.

Hans Trousil asked is the railroad tracks are coming up. Randy said no, the plan is to update them and add a spur at Line 800. Vaughn asked if Building 1-74 has been razed; Randy is not sure. Vaughn asked if all of the ramps are gone. Randy said yes. Vaughn asked if they are going to start at the melt building and go south. Mike said they will go north. Vaughn asked if they are going to Building 1-100. Randy said he can connect with Vaughn after the meeting and show him on a map. Vaughn asked if all of the 111 and 107 buildings are included. Randy said that if it is not being used, the plan is to raze them to get the restoration staff out to clean the areas. Vaughn asked how they will be cleaned: take down the building and take the RDX out. What about where they previously dug but had to stop excavation due to physical barriers? Randy said they are going to work closely with Jen and Zaynab to determine how the cleanup will be conducted. Zaynab said a contract is still in progress. Vaughn said that from Building 1-70, the contamination went beyond the road. Randy said they are razing the building to get access to the area, sample it, and then close it.

There are no more questions/comments.

Action Items for Today

Vaughn mentions the public tour planned for tomorrow. Mark asked when they will get the OU3 plume update. Vaughn asked if the Army is going to treat the Freon at Line 9. Aaron said we will investigate that as part of the RI. Regarding Mathes Lake, Vaughn said to make sure to take samples from the Powerhouse because water went there from the lake. From the powerhouse, the water went to the water treatment system that distributed drinking water to the facility.

Next meeting will be held on 17 July 2018, in the same location.

Sandeep announced that he will not be working with IAAAP, that Danny O'Connor will be assigned IAAAP. He thanks everyone as he has been a part of the USEPA team for 7 to 8 years and appreciates everyone's help.

Jen notifies the RAB that the tour tomorrow will start at 8 AM at the reserve center.

The meeting was adjourned at 9:49 a.m.

Original signed by:



Jen Busard
Army Co-Chair

Original signed by:



Elyn Holton-Dean
Community Co-Chair

Original signed by:



Kaitlin Nau
Secretary

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- Exhibits: 1 Attendees
2 Agenda
3 Presentation 1: Remedial Investigation Update
4 Presentation 2: FUSRAP Status
5 Presentation 3: Building Demolition Status

Exhibit 1

GOVERNMENT MEMBERS

PRESENT (3)

Daniel O'Connor
Jennifer Busard
Giff Haddock

RAB MEMBERS PRESENT (7)

Doug Coyle
Mark R. Hagerla
Vaughn Moore
Robert Haines
Hans Trousil
Bruce Workman
Dean Vickstrom

PUBLIC PRESENT (19)

Dean Johnson
Steven Bellrichard
Nat Peters
Sandeep Mehta
Linda Latta
Robert Straitt
Jim Janke
Randy Doyle
Mark Dunne
Scott Smith
Hunter Blair
Zaynab Murray
Brooke Thye
Denise Waymack
Stephanie Park
Aaron Steele
Mike Kessler
Juan Afable
Ruby Chrysler

Total in attendance: 29