

RESTORATION ADVISORY BOARD MINUTES

April 20, 2021

The Restoration Advisory Board (RAB) meeting was called to order by Jen Busard at 9:03 a.m. on 20 April 2021. Due to the pandemic, this meeting was held both in-person and virtually over MS Teams.

Jen said that Elyn Holton-Dean is still out on leave and will be temporarily away from the RAB. The co-chair position is currently vacant, and Jen is asking for any of the other board members to take over until she returns and to let her know.

LTC Schilling gave his final address. He said that watching the progress has been amazing to observe. Team has done an exceptional job with restoration efforts and he thanked the group.

Minutes Review

There were no corrections to the minutes from January 2021. There were also no public comments.

Agenda Review

The April 2021 agenda was accepted as written.

Building Demolition Status

Randy Doyle provided an update on the Building Demolition program. He said this is his final meeting to present since his team is finished. 804k sq ft of buildings projected to take out, but the team found extra things during demo and that required additional work and they finished at 795k sq ft and 415 structures. Two additional phases are being planned for “out years” at Line 2 and Line 3A maybe in about seven years.

Randy provided a project update regards to recycling:

- 202,000 ton of concrete recycled
- Over 2,600 Ton of metal recycled. Some walls were six inches thick with rebar
- Realizing a 85% diversion rate of solid waste (concrete, recyclable items)

With regards to environmental stewardship:

- 2,900 Ton of Asbestos abated and properly disposed of
- 40 Ton PCB Contaminated debris abated. Significant amount of PCB paint used
- Proper disposal of other regulated material (lead, ballasts, Hazardous Material)

Randy shared a series of photos, most of which previously seen:

- Line 800 is complete
- Line 6 is complete. Active bunker in there but Line 6 will be cleaned up in the next 12 months (according to Jen)
- Line 5 is complete. A groundbreaking on solid waste center within 30 days. New laundry, operations center, a lab will be in this centralized area. Line 5 is exciting for re-development, and it will get people out of explosion arcs that don't need to be there

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- Line 8 is complete. All saddles were removed from the woods (73 sets found)
- Line 1 is complete. Probably the second most exciting behind Line 5. Setting it up for future capability and development
- Line 3 is complete. Only 5 or 6 buildings left out there

Randy's contractor took stormwater controls very seriously. Streambed mitigation measures were implemented. One building is the chem lab and they left the foundation in place waiting for Mike Kessler's team (FUSRAP). Randy showed a video of the water tower coming down. Two water towers were taken down and one new one was erected.

Vaughn Moore asked if 2353 was taken down? Randy said that is still up since it is a potential project for arms. Challenge is no running water or sewage and also within the arcs.

Environmental Services Update

Jeff Morrison of CH2M HILL, now Jacobs, presented an update on the Environmental Services Contract.

Under the CERCLA program the objective of the Remedial Investigation (RI) is to determine the nature and extent of contamination, to update the conceptual site model, and evaluate risk. Jeff M. gave a broad overview of the various work being conducted at different parts of the facility, by different contractors, and under the supervision of different U.S. Army Corps of Engineers (USACE) districts to provide context for why things seemed to be disconnected. He updated the team on where the various RI reports stand for the Jacobs/Leidos team:

Remedial Investigation Activities Update:

- Finalized RI report for OU-9
- Addressing EPA comments on draft RI for OU-11
- Incorporating new data and addressing Army comments on internal draft RI for OU-4
- Draft RI for OU-12 submitted to EPA on 03/29/21
- Internal draft RI for OU-7 submitted to Army on 03/19/21
- Internal draft RI for OU-6 will be submitted to Army late April
- Still working on internal draft RI reports for OU-10 and planning a mid-May submittal to Army

Jeff M. then presented some slides with an update on the OU-3 Optimized Remedial Design. Jeff Gamlin previously presented the geology of that location and the "bowl"

- Finalized Optimized Remedial Design (RD) for OU-3

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- RD includes additional bioremediation injections within the 50 ug/L RDX “hot spot” area (approximately 20 new injection locations).
- Updated CSM showing the current understanding of off-post geology considerations.

Julie Solinski asked if there was a well in the road. Jeff clarified that was an approximate location, but that there were considerations for safety of performing this work alongside Hwy 61.

Steve Bellrichard added that one of the previous food sources injected was a food grade corn syrup. At some point they shifted from a sugar to an oil for the carbon source.

Jeff M. then updated the team about a Site Inspection (SI) that is underway for emerging contaminants called per- and polyfluoroalkyl substances (PFAS) at IAAAP:

- Field work conducted at the former Fire Department, Fire Training Pit, and Trench 6 at Inert Disposal Area (IDA) in December 2020
- Five newly installed monitoring wells and 10 existing monitoring wells were sampled
- PFAS were detected at all three areas
- Internal draft PFAS SI Report submitted to Army on 04/07/21

Julie asked if there was any requirement to look for PFAS at any other wells. Jeff replied that this is a topic that is bigger than Army or DOD. More to discuss on PFAS in the future.

Mark Hagerla asked if we had charts that showed previous results. Specifically, he wanted to know the data for the new five wells we just installed. Jeff said that data has just been evaluated and the report has been drafted. It is in Army review now and it will be shared with the public later.

Bioreactor Treatability Study

Jeff M. then provided a Bioreactor Treatability Study (TS) Update.

Collaborating with Engineering Research & Development Center (ERDC) to evaluate RDX treatment in the South Tributary to Brush Creek:

- Phase 2 (full-scale) tank testing was completed in late December and the TS results have been positive
- Performed data evaluation and submitted draft TS report to Army on 04/07/21, this included CCR as an appendix
- Conclusions and recommendations could be shared at the next RAB meeting after Army and EPA reviews

Jeff M. showed a series of photos showing the history of the Bioreactor TS.

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He then presented an update on some other work being conducted on behalf of USACE Louisville District. Tony Finch of TTL Associates is working on the Building Demolition Sampling for the Installation Restoration Program (IRP). The planning documents are under Army review, and the fieldwork is expected to begin late 2021.

Hunter Blair of PARS Environmental then presented about the Line 1 Dredging project. The Line 1 Impoundment is one of Dean Johnson's responsibilities. He gathers surface water with low level concentrations of RDX.

There was a lot of rain in 2019. Filters needed to be changed out every night. Initially called dredging project, but it cannot float a boat (not enough water) so they drained the water and started excavating.

About 90% of sediment was taken out, but they ran into a lot of rain and need to drain more to continue. Already seeing some improvement (went 24 hours without changing a filter)

Vaughn asked what we are doing with the sediment. Hunter replied that it is currently draining on the embankment, and then it will be taken to the Des Moines County landfill. Sediment was sampled for disposal facility requirement. The pond was built in 1997 just to the south of Line 1.

Vaughn asked if we sampled that sediment. Hunter answered yes and it was all below hazardous levels.

Julie asked what optimal filter replacement frequency would be. Hunter replied that it depends on the flow and concentrations of the water. They have another unit that has the filter changed every few days.

There were no further questions.

FUSRAP Update

Mike Kessler provided an update on FUSRAP activities. He started off with a slide showing the definition of FUSRAP: Formerly Utilized Sites Remedial Action Program to deal with former atomic energy commission radioactive waste. Assigned to Department of Energy (DOE) and then transferred to USACE. Two Operable Units (OUs) assigned: OU-1 which is primarily explosives contaminated soils in Line 1 and West Burn Pads (WBP), while OU-8 is predominantly looking for low level radiation. Mike presented a slide on the CERCLA process that shows how FUSRAP interacts with CERCLA and showed where we are at in the process at IAAAP. Still in the remedial action (RA) phase of process.

Mike began with a discussion about strategy and that his work is dependent on Congressional funding. The West Burn Pad South (WBPS) of the road Remedial Action Completion Report (RACR) is complete.

Additional remediation is required at Line 1:

- Collected sub-surface samples at Bldgs. 1-70, 1-05-1, and 1-155-1. Former lab

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building 1-03 and Bldg 1-04 just wrapped up

- Randy's team demolished Bldg 1-70 and two melt buildings and cooling tower 1-155-1 and FUSRAP was able to follow up with sampling
- Mike's team is working on a Line 1 RA scope of work to do additional remediation

OU-8 is the depleted uranium (DU) sites.

Firing Sites Area:

- Remedial Action is complete in FS-1/2, 3/4/5, and 14 areas
- Final Status Survey (FSS) is complete in no more than 45% of the FS-6 Area
- FSS is complete in 74% of the 125 FS-12 Survey Units (SUs)

Mike shared a number of restoration photos and his maps showing progress updates (some were same photos as previous meetings).

He then showed the slides with activities completed in Q2, which is typically a slower period for his team with no processing.

Q2 2021 Activities completed:

OU-1:

- The PDI Addendum for Bldgs. 1-03/1-04
- Collecting additional soil samples at Bldg. 1-04
- Finalizing REV A of 1st Line 1 Bldgs. Pre-Design Investigation Report (PDIR)
- Drafting the Line 1 Remedial Action Scope of Work (SOW)

OU-8:

- The 2nd Transportation & Disposal (T&D) campaign
- The Winter 2020-2021 tree felling and chipping campaign
- The 2020 Field Season Demobilization and Winter Closeout
- Verification Gamma Walkover Survey (GWS) in SUs 3, 57, and 124
- Started Verification GWS in SUs 119-120

Bruce Workman asked if gamma survey is handheld. Mike answered yes.

Mike showed a series of tree clearing photos and noted that this work was contracted out. He summarized the tree chipping and stump grinding process for segregating and scanning. Bruce asked where the material ends up. Mike said they scan those residuals and if clean (below remediation goals (RGs)) they can be used as backfill. They do a rewalk after remediation to make sure there isn't masking/hiding of DU.

Q3 2021 Activities Planned

OU-1:

- EPA / Iowa DNR review of PDIR for Buildings 1-70 / 1-05-1 / 1-155-1

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- Begin FUSRAP review of PDIR for Bldgs. 1-03 / 1-04 & Clarifiers
- Continue development of Line 1 remediation contract MOD

OU-8:

- Complete mobilization, calibrate S3, begin processing wood chips/soil
- Complete 1st 2021 T&D campaign
- Begin excavating soil from Area K
- Continue Pre-Design Investigation at the South Test Fire Site (FS-6)
- Complete Area E (former Test Fire Pit) PDIR; Develop Remedial Design (RD)/RAWP
- Begin review of OU-8 2021 Post Remedial Action Report/Final Status Survey Evaluation (PRAR/FSSE) (20 SUs)
- Begin review of the 2020 Environmental Monitoring Data and Analysis Report (EMDAR)
- Continue developing the Exit Strategy MOU. (Mike said he is pushing his attorney on this)

Mike provided a status update on progress toward 2021 goals:

- Ship 3,400 Cubic Yards (CY) of >RG material
- Process 20,000 CY of material
- Stockpile 2,000 CY for future shipping
- 'Release' 20 SUs (down from 25 previously)

One goal has been moved to next fiscal year:

- 'Release' FS areas NOT at FS-12

Vaughn reminded the team that the first hydrashots were at FS-6, not FS-12 (before FS-12 was completed).

There were no further questions.

Old Business – Action Items from Previous Last Meeting

Jen reported on status of the Five Year Review (FYR) that it is now complete and listed on the Admin Record online. The Public Notice will be in The Hawkeye on Sunday, April 18th and the Daily Democrat paper on Friday, April 23rd and Tuesday, April 27th.

Action Items For Today

Julie requested that we continue to update on IRP sampling and PFAS.

Steve asked Jen to clarify what the Public Notice is for. He reminded the group that the FYR is how to ensure that the remedy is still protective. Steve also clarified about the CERCLA process regarding industrial cleanup levels.

Mark would like to see a map of fenced in areas. Jen explained there are fences (Land Use Controls (LUCs)) so they are part of the FYR. Jen is working on a contract to further clean two of them up and take the fences down.

Vaughn asked if there is any chance for a tour for the RAB board? Jen said it is usually

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around Earth Day, but there isn't a lot to see yet. Probably next year.

Mark recommended Julie as a co-chair.

Randy gave some accolades to the overall group. Communication and teamwork with Jen (IRP), Mike (pushing his schedule), Aaron Steele and PARS to fix a groundwater problem with treatment facility, etc.

Next meeting will be July 20 at 9 a. m.

Meeting adjourned at 10:18 a.m.

Original signed by:



Sarah Brockway
Secretary

Original signed by:



Jen Busard
Army Co-Chair

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

Exhibit 1

GOVERNMENT MEMBERS PRESENT (3)

LTC Eric J. Schilling
Jen Busard
Bill Gresham (attended virtually)

RAB MEMBERS PRESENT (7)

Hans Trousil
Julie Solinski
Mark Hagerla
Robert Haines
Dean Vickstrom
Bruce Workman
Vaughn Moore

PUBLIC PRESENT (11)

Steve Bellrichard
Jeff Morrison
Mike Kessler
Amanda Smith
Randy Doyle
Hunter Blair
Dean Johnson
Sarah Brockway
Maggie Stephens
Len Osinski
Aaron Steele

Total in attendance: 21