

RESTORATION ADVISORY BOARD MINUTES

Apr 20, 2023

The Restoration Advisory Board (RAB) meeting was called to order by Hans Trousil at 12:03 p.m. on 20 April 2023. This meeting was held in person at Armed Services Center in Middletown, Iowa. Hans started off the meeting with Pledge of Allegiance.

Minutes Review

There were no corrections to the minutes from January 2023, and there were no public comments.

Agenda Review

There were no corrections to the April agenda.

Environmental Services Update

Jeff Morrison of Jacobs presented an update on the two projects his team is working on: Environmental Services at IAAAP, and the off-post bioremediation project at Operable Unit (OU) - 3.

Jeff shared a slide with a list of the current OUs at IAAAP to remind everyone since those are discussed heavily during these presentations. He then updated the team on where the various Remedial Investigation (RI) reports stand for the Jacobs team:

- Submitted Draft Final RI report for OU-10 to EPA in November 2022.
- Submitted Draft RI report for OU-6 to EPA in January 2023.
- Submitted RTCs to USACE on internal Draft RI report for OU-7 in February 2023.
- Continued working on the OU-11 Supplemental RI Report and the OU-12 Phase 2 RI Report.
- Began working on Draft RI report for CC-06 (DA/DF sites).

Jeff updated the team on the status of several in-progress tasks:

- Submitted Draft OU-4 Feasibility Study (FS) report to EPA in March 2023.
- Submitted the Draft 2022 Annual Groundwater Monitoring Reports for Ash Disposal Cell within Trench 5 for OU-4 RCRA to EPA in December 2022.
- Submitted internal Draft OU-9 Proposed Plan (PP) to EPA in January 2023. Received no comments and public meeting is scheduled for later today.
- Still awaiting comments from EPA on Draft OU-1 Remedial Goal (RG) tech memo.

Jeff informed that there wasn't much to update since the last meeting about the Site Inspection (SI) that is underway emerging contaminants called per- and polyfluoroalkyl substances (PFAS) at IAAAP:

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- A Site Inspection (SI) is underway for emerging contaminants called per- and polyfluoroalkyl substances (PFAS) at IAAAP
 - Five newly installed monitoring wells and 10 existing monitoring wells were sampled at the former Fire Station, Fire Training Pit (FTP), and the IDA in December 2020
 - Received approval from EPA on draft final SI report and finalized SI in December 2021.
 - Due to screening level exceedances, additional investigations are recommended at each site and RI planning will begin in early 2023.
- A fourth area of potential concern (new Fire Station) was included in the revised Final PA report and is being addressed in an SI Addendum.
- Draft QAPP worksheets were reviewed by EPA. We are now responding to comments and tentatively scheduling fieldwork later in 2023.

OU-3 Optimized Remedial Action

Jeff provided an update on the OU-3 Optimized Remedial Action project, which is for the enhanced bioremediation at the off-post RDX plume.

- Finalized Optimized Remedial Design for OU-3 to implement additional bioremediation injections within the 50 ug/L RDX “hot spot” area.
- Installed 20 new injection wells along north and south side of US Hwy 61.
- Conducted one round of baseline sampling in May 2022 prior to injections in July 2022. First round of performance monitoring was conducted in October 2022.
- Second round of performance monitoring (and first semiannual event) conducted in January 2023.

Jeff showed figure of the overall plume and then an updated closeup figure showing the area with the RDX hotspot underneath US Hwy 61 and the injection well locations for the remedial action. The contamination contours were updated this time so show baseline sampling concentrations and the hotspot now orients in a perpendicular direction to the highway. This makes sense from a technical perspective since that is also the direction of groundwater flow to the south. Jeff then showed a table of updated results to date.

- Seven wells were sampled in second performance monitoring round (Jan 2023): EMW-02, EMW-04, IW-02 and MW-309, SMW-08, SMW-10 and SMW-11.
- RDX concentrations remain well below 50 ug/L, including historically problematic

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well MW-309 (2.8 ug/L).

- SMW-08 is the exception, where RDX increased from 0.28 ug/L (before injections in Nov 2021) to 55 ug/L (Jan 2023).
- Offsite surface water data from 2022 do not show RDX spike, suggesting no relation between SMW-08 and surface water concentrations.
- Historical concentrations at SMW-08 have been greater than 55 ug/L.
- SMW-08 is 50 ft upgradient of injection row and will continue to be monitored, next semiannual sampling event is scheduled for July 2023.
- High Total Organic Carbon (TOC) and geochemical trends (depleted nitrate and sulfate and increased dissolved iron, elevated alkalinity) show sustained reducing conditions, with improvements noted in EMW-04 compared to Oct 2022.

Hans asked if the plume was still under the highway and Jeff confirmed that it was.

Julie asked about what went into the No Further Action (NFA) at one particular site at OU-11, namely the Unidentified Substance Waste Site Groundwater (IAAP-022G).

One public member asked if Quality Control/Quality Assurance (QA/QC) was being implanted on the OU-3 performance sampling (field blanks, duplicates, etc.) and Jeff replied that we are following the approved QAPP. The public member also asked how the samples are being collected and Erin McGuire from the Jacobs field team replied that we are using low-flow techniques.

Mark asked about wells on the other side of Skunk River and why we aren't sampling those. Jeff replied that we are targeting the source and trying to prevent future rebound. The idea of why this amendment was picked is that it is slow release and will migrate downgradient over time. Darlene's team is sampling the plume as a whole and those downgradient wells that Mark asked about. He would like to see better coordination with Darlene's team.

Vaughn asked about whether all the new regulations about PFAS were going to affect the work at IAAAP and Wes confirmed that it will.

Commander Crist reminded the RAB that the contractors presenting today are doing exactly what the Army has contracted them to do. If more resources need to be implemented to address concerns, the contracts can be modified.

There were no further questions.

FUSRAP Update

Mike Kessler provided an update on FUSRAP activities. He first presented the definition of FUSRAP: Formerly Utilized Sites Remedial Action Program to deal with former atomic energy commission radioactive waste. Assigned to DOE and then

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transferred to USACE. FUSRAP is in the final 12-18 months of Remedial Action.

After the appropriate paperwork documenting that the project is completed, FUSRAP begins a 2-year monitoring phase. HQUSACE is providing sufficient funding to complete all OU-8 and OU-1 work. The IAAAP site is in the IMPLEMENTATION PHASE; specifically, the REMEDIAL ACTION step. This phase/step involves site preparation and construction activities.

Mike plans for FS-12 remedial action to be completed this year. FS-6 has some delays in the schedule. Two OUs assigned: OU1 primarily explosives contaminated soils in Line 1 and West Burn Pads (WBP), while OU8 is for predominantly looking for low level radiation.

FUSRAP has conducted a significant amount of sampling at IAAAP. Additional remediation is required at Line 1:

- Leidos delivered REV A1 of the Buildings 1-03/1-04, and Clarifiers for Buildings 1-10/1-12 Pre-Design Investigation Report (PDIR) on 15-NOV. Comments from the IAAAP PDT were closed on 20-JAN-2023 and subsequently resolved. REV B was then submitted to the EPA and IA DNR for review. Comments are requested by 21-APR-2023.
- Leidos delivered REV A of the PDI Work Plan to investigate Line 1 Buildings 1-03-2, 1-03-3, 1-06-2, 1-50, and 1-60 on 23-FEB. The IAAAP PDT completed their review of the document on 30-MAR.
- Leidos continued working on the "Inaccessible & Continuing Sources" Data Summary Report. REV A is now anticipated in mid-MAY.
- Delivery to FUSRAP of the WBPS Risk Assessment is now anticipated in July.
- FUSRAP continues working to award a new contract for remediation.

OU-8 is the DU sites. Made some progress but not too much. Remains about 80% complete.

- No radiological remediation was required at Warehouse 3-01, or Yards C, G, & L to be protective of the site worker.
- Line 1 Structures remediation complete.
- RA is complete in the FS-1/2, 3/4/5, and 14 Areas. REV A of the PRAR/FSSE is now anticipated later this month.

Firing Sites 6 Area:

- No PDI work was conducted during this reporting period.
- The GWS Survey work is over 80% complete in the remainder of the FS-6 Area. About 10% of brush remains to be cleared.

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Firing Sites 12 Area:

- No Verification work was conducted during this reporting period.
- Final Status Survey (FSS) is complete in 97.6% of the 125 FS-12 SUs.

Mike shared a series of remediation photos at FS-12 and SU-12, and then discussed the Q2 2023 Activities completed.

OU-1:

- Completed PDT review of REV A of the Bldgs. 1-03/1-04 & Clarifiers PDIR. Resolved comments and then sent REV B to EPA and IA DNR for review.
- Completed PDT review of REV A of the Bldgs. 1-03-2/3, 1-06-2, 1-50, & 1-60 PDI Work Plan.
- Started drafting REV A of the 2nd FUSRAP OU-8 Five Year Review.

OU-8:

- Resolved comments to REV A of the 2022 Field Activities Summary Report and issued REV 0 on 24-FEB.
- Resolved comments to REV A of the OU-8 FS-12 2022 PRAR/FSSE and then sent REV B to EPA and IA DNR for review.
- Resolved comments to REV A of the Test Fire Pit Data Summary Report and then sent REV B to EPA and IA DNR for review.
- Started drafting REV A of the 2nd FUSRAP OU-8 Five Year Review.

Mike then provided a status update on progress toward 2022 goals, and note that several were presented with “strikethrough” this time to reflect what is achievable this year:

- Award a new FUSRAP / HTRW Support Services Contract.
- Provide one article to the IAAAP *Restoration News*.
- Ship 3,800 CY of material. 884.2 CYs
- Complete the 2022 OU-8 FS-12 SUs PRAR/FSSE.
- Complete the OU-7 FS Areas 1-5 & 14 PRAR/FSSE.
- Complete Risk Assessments for Yards L, C, and G.

Mike then showed a slide with his Q3 2023 Activities Planned.

OU-1:

- Continue work on the 2nd FUSRAP OU-1 Five Year Review.
- Resolve comments received from REV B of the Line 1 Bldgs. 1-03/1-04 + Clarifiers PDIR and REV A of the Line 1 Bldgs. 1-03-2, 1-03-3, 1-06-2, 1-50, and 1-60 PDI Work Plan. Schedule the necessary sampling.

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- Begin PDT review of REV A of the OU-1 Line 1 “Inaccessible & Continuing Sources” Summary Document report.

OU-8:

- Return to the Firing Sites Area and complete verification of the FS-12 Class II SUs and PDI at FS-6.
- Continue work on the 2nd FUSRAP OU-8 Five Year Review
- Resolve comments received from REV B of the 2022 OU-8 FS-12 SUs PRAR/FSSE and Test Fire Pit Data Summary Report
- Begin PDT review of several REV A documents:
 - OU-8 FS 1-5 & 14 PRAR/FSSE
 - RAD Background Threshold Values report
 - FSA Roads Downhole Gamma Logging Work Plan

Mike presented a schedule for the 5YR and thanked the RAB members that he interviewed as part of the process.

There were no further questions.

MMRP Remedial Actions Update (OU-5)

Lynelle Brode provided a quick update on the Munitions Response Sites. She included a recap of why we are doing the work, what the selected new remedy was over previous LUCs, and described what would be done during MEC surface clearance.

Completed 30-day comment period and working on draft amended ROD. Path forward is to begin remedial action implementation this fall.

Vaughn asked Jen if site at end of K road (InDA) is being addressed, and she replied that another contractor (HGL) is taking care of that one.

There were no further questions.

Old Business – Action Items from Previous Last Meeting

There were actions from last meeting:

- Mike was asked about DU disposal pct and totals during his January presentation, and he is still working on that.

Action Items for Today

- Mike is still working on the total pct of DU per SU.
- Julie wanted to hear about NFA at one OU-11 site, and Jeff will address that next time during his presentation.

Commander Crist gave a few final words from his perspective since this will be his last RAB. Lt Colonel Dunlapp is currently being transitioned into the role. Commander Crist presented each RAB member with an award as thanks. Overall, he is very impressed with what IAAAP is doing both munitions wise and environmentally and he thanked the

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team in attendance. He said that he learned some valuable lessons from this group that he will take with him to his next posting.

Next meeting is planned for 13 June 2023 and back at West Burlington City Hall.


Meeting adjourned at 13:12 pm.

Original signed by:



Kayla Johnson
Secretary

Original signed by:



Hans Trousil
Community Co-Chair

Original signed by:



Jen Busard
Army Co-Chair

- Exhibits: 1 Attendees
2 Agenda
3 Environmental Services Update
4 FUSRAP Update
5 MMRP Update

Exhibit 1

GOVERNMENT MEMBERS

PRESENT (4)

LTC Jason Crist
Jen Busard
Wes March
Shelly Nellesen

RAB MEMBERS PRESENT (7)

Hans Trousil
Julie Solinski
Mark Hagerla
Robert Haines
Vaughn Moore
Kellie Crist
Bruce Workman

PUBLIC PRESENT (21)

Jeff Morrison
Mike Kessler
Heather Haney
Eric Fritzsich
Dean Johnson

Seth Reedy
Jerry Manint
Jonathan Harrington
Lynelle Brode
Sarah Rich
Steve Wolf
Greg Rakers
Stacie Scully
Amanda Smith
Erin McGuire
Shane Ehlin
Kayla Johnson
Andrea Sansom
Tabatha Adkins
Mike Sullivan
Makenzie Leonard

Total in attendance: 32