

**Former Badger Army Ammunition Plant (BAAP)  
Restoration Advisory Board  
George Culver Community Library  
October 20, 2022**

**Time:** 5:00 pm. October 20, 2022

**Place:** Conducted in-person at the George Culver Community Library and virtually using Microsoft Teams.

**Attendee:** Twenty-nine people attended the meeting, including 13 Restoration Advisory Board (RAB) Members. Attachment A includes attendee names.

**Agenda Items:**

- RAB membership
- Operating Procedures review
- Meeting Minutes review
- Groundwater sampling update
- Project management updates, future meetings

**RAB Administrative Meeting Introduction**

- The Army received several comments on the operating procedures for the RAB. Ms. Kropp provided the operating procedures via shared screen and allowed meeting participants to capture real-time change suggestions. The operating procedure change suggestions will be sent to the RAB for review.
- A RAB member recommended the Army forward members a meeting agenda with ample time prior to RAB meeting.

**RAB Membership**

- The RAB quorum voted on and concurred with granting The Lake Wisconsin Alliance RAB membership.
- The Lake Wisconsin Alliance will indicate their permanent and alternate members in their RAB membership forms.
- Current RAB bylaws limit membership to 26.
- The RAB moved on to review operating procedures changes and comments received.
- RAB members collaborated to clearly define and establish a RAB quorum.
- RAB members introduced The Lake Wisconsin Alliance representative Mike Gleason.

**Operating Procedures**

- Mr. Matt Dayoc initiated operating procedures.

- Section 4 states RAB officers shall consist of a community co-chair and an Army co-chair. USAEC will appoint Army co-chair moving forward.
- Changes were made to section 5.a. (Meetings) prior to the RAB meeting. The RAB reviewed and accepted the changes during the meeting.
- Paragraph 3.f. changed to “if a RAB member misses three meetings in a row without explanation, they may be recommended for removal. If a RAB member misses more than seventy five percent of meetings within three years, they may be recommended for removal from the RAB. Once co-chairs are in consensus of which RAB members should be removed /replaced, the Army will contact the government or community organization for new member appointments. The RAB members will decide if a replacement is needed for community at large members.”
- RAB members suggested section 6 states, “final edits to meeting minutes will primarily occur at the next RAB meeting.”
- The Army will provide the RAB members draft meeting minutes within thirty days of the RAB meeting.
- Old Section 7 (Compliance with Other Laws) was stricken from the operating procedures; RAB operating procedures are subject to Federal law only per CERCLA.
- Section 8 changes to Section 7 and reflects “the proposed amendment(s) shall be presented at one meeting and voted on the following meeting.”
- Section 9 changes to Section 8 and reflects “A quorum is defined as 51% which includes at least one member being present from the community at large, government members, and appointed community representatives, in addition Army co-chair and Community co-chair.”

#### Opening Remarks for the Non-Administrative Portion of the RAB meeting

- Matt Dayoc (USAEC) opened the RAB meeting and introduced Quang Nguyen as Susan Elrod’s replacement.

#### Groundwater Sampling Update (Joel Janssen, Spec Pro Services)

- 55 residential wells were sampled in the annual August 2022 sampling event.
- Three residential wells were not sampled due to lack of power.
- No Contaminates of Concern (COC’s) were identified in the Weigand’s Bay, Old Highway 78 area.
- 2,6-Dinitrotoluene (DNT) & Total DNT exceeded code NR (Wisconsin Law) 140 Protective Action Limit (PAL) in one Gruber’s Grove Bay well – the well has history of DNT detections.
- Carbon Tetrachloride (CTET) exceeded NR 140 PAL value (.5 ppb) in one Propellant Burning Ground Plume well on Keller Road – the well has history of CTET detections.
- Heavier concentration of chlorinated solvents historically exists west within the Propellant Burning Ground (PBG) plume.

- The semiannual sampling event occurred in September, (primarily the Deterrent Burning Ground (DBG) and PBG wells). Sampling results are pending.
- The August groundwater sampling event did not identify COC exceedances upgradient of homes.
- The PAL value is one-tenth of the State of Wisconsin enforcement standard.

#### Groundwater Monitoring Network Optimization (Matt Dayoc, USAEC)

- The United States Geological Survey (USGS) Trends Analysis Report proposed new well locations in DBG and PBG Plumes to fill data gaps.
- Spec Pro prepared an implementation plan for proposed well locations.
- Draft Final Plan submitted for Wisconsin Department of Natural Resources (WDNR) review 29 September.
  - Proposed total of eight new wells in the B, C and D zones
    - Two wells in Deterrent Burning Ground Plume
    - Six wells in Propellant Burning Ground Plume
    - The eight wells will be <220' in total depth.
    - Looking for an area to install well to identify potential COC's before they enter the Wisconsin River.
- WDNR will finish Draft Final review and provide recommendations.
- Army will move forward with right-of-entry procedures for property access once WDNR completes review.
- The Army has not established a timeframe to contact landowners.
- Omaha Army Corps of Engineers (USACE) will handle right-of-entry negotiations.

#### Gruber's Grove Bay (GGB) Remedial Action Alternatives Evaluation (Matt Dayoc, USAEC)

- On September 2022 the Army awarded AECOM the contract to assess data gaps tied to nature and extent of contamination at GGB.
- Project Management Plan and Quality Control Plan submittal to Army for review October 27, 2022.
- Draft Desktop Supplemental Remedial Investigation (RI) due to Army December 30, 2022. The Army will review and comment within thirty days of submittal and submit to WDNR for review.
- The Army anticipates a 2025 timeline for site actions to take place.
- Key near-term objectives:
  - Characterize the site to the extent necessary to support subsequent decisions.
  - Define the risk to human health and the environment posed by the site.
  - Refine and identify viable remedial action alternatives.

- Identify applicable or relevant and appropriate requirements (ARARs); and
- Evaluate the need for a Data Gap Investigation or treatability studies.
- A RAB member suggested the Army share data from previous Remedial Actions at GGB with AECOM.

#### Proposed Plan (PP) for the Site-Wide Groundwater (Matt Dayoc, USAEC)

- Draft PP under Army legal review ultimately will lead to decision document for treatment or remedial action.
- The draft PP for the site-wide groundwater remediation will document the preferred alternative for treatment of groundwater at the site (three plumes).
- Next step, submit to WDNR for review.
- Army will hold a public meeting to discuss the Groundwater PP followed by a final decision document where the Army approves implementation of the chosen action.
- 30-day Public Comment Period will solicit written comments/feedback
- The decision-making phase will follow in early 2023, a contract to implement the preferred remedy will be awarded.
- A RAB member questioned the status of the Technical Assistance for Public Participation (TAPP) application.
- The TAPP grant provides the RAB \$25,000 annually for independent technical support. An independent third party contracted by the Army will provide RAB members technical assistance. **Note:** The TAPP grants \$25,000 annually with a lifetime cap of \$100,000 unless a waiver is applied for and granted by the Department of Defense.
- The BAAP TAPP waiver application has been submitted and is currently being reviewed by the Army.
- A RAB member asked for insight on Army's potential PP. Mr. Dayoc explained the Army proposed a conceptual in-situ groundwater treatment, injecting vegetable oil into the subsurface promoting bacteria growth to feed on the vegetable oil and contaminants.
- The Record of Decision (ROD) follows the PP in the CERCLA process. The Army will prepare the ROD document and submit for legal review. The ROD preparation is an approximate nine-month process from beginning to final Army signature.

#### USGS Support FY23/24 (Matt Dayoc, USAEC)

- The USGS will continue groundwater modeling efforts with a focus on contaminant transport modeling.

- Modeling work will continue to focus on simulating contaminant transport at the PBG plume, the DBG Ground plume, and the Central Plume. The goal is to complete a base contaminant transport model.
- The base contaminant transport model will run model scenarios for the site under monitored natural attenuation and the additional remedial action(s) outlined in the proposed plan for Site-Wide Groundwater.
- Initiate pilot study for groundwater treatment to inform remedial design for selected remedial action.

#### 2nd Five-Year Review (Matt Dayoc, USAEC)

- A BAAP kickoff meeting took place for a 2<sup>nd</sup> Five-Year Review on October 17, 2022.
- An independent third party will conduct a site-visit expected mid-November to early December 2022 timeframe to review and evaluate remedies in place.
- The 2<sup>nd</sup> Five-Year Review evaluation report is due July 2, 2022.
- The five-year review is contracted through the Omaha USACE. The final document identifies a protectiveness statement for the remedies in place.

#### Key FY23 Contracting Actions (Matt Dayoc, USAEC)

- Settling Pond Expanded Site Inspection includes Final Creek & Settling Ponds 1, 2, & 3.
- Site-Wide Groundwater Monitoring Plan throughout BAAP.
- The DOD issued revised guidance detailing how to proceed based on the new EPA PFAS regional screening levels (RSL). This resulted in a requirement to perform a RI at the PBG. The groundwater data from a well 1,000 feet from the installation boundary identified 14 parts per trillion (ppt) PFOS RSL exceedance at PBG.
- Landfill #5 Repair of settled areas (contract modification).
- WDNR restricted all open burning at BAAP.

#### Open Questions

- Mr. Chris Hanson asked if the Army had done the follow-up that was committed by Cathy Kropp at the August 4, 2022 RAB meeting to develop a public relations plan to make the public aware of the USGS story board availability on the Army's website. Mr. Matt Dayoc indicated that Cathy Kropp would follow up on it.

#### Closing

- Future Meetings: tentative dates moving forward are:
  - January 19, 2023
  - April 20, 2023
  - July 20, 2023
  - October 19, 2023

## ATTENDEES

### RAB Members Present

Matt Dayoc	Army Co-Chair
Charlie Wilhelm	At Large Member
Chris Hanson	At Large Member
William Stehling	At Large Member
Dennis Hancock	US Dairy Forage Center
Doug Gjerston	Town of Sumpter
Robin Meir	Bluffview Sanitary District
Luke Lampo	WDNR
Mary Carol Solum	At Large Member - <b>Virtual</b>
Michele Hopp	Community Co-chair
Roger Heidenreich	Town of Merrimac
Craig Walsh	Town of Prairie du Sac - <b>Virtual</b>

### Army and Army Contractors

Cathy Kropp	USAEC
Joel Janssen	Spec Pro Services
Sergio Celis	Environmental Research Group (ERG)
Heather McNabnay	Environmental Research Group (ERG)
Quang Nguyen	USAEC
Mark Frey	Sauk Prairie Indy
Megan Haserodt	USGS - <b>Virtual</b>
Robert Reine	USAEC

### Visitors

Mike Gleason	Lake Wisconsin Alliance – Potential New RAB Member
Issac Ross	RAB Alternate (WDNR)
Wendy Carlson	RAB Alternate (CSWAB)
Shelly Allness	Wisconsin DNR - <b>Virtual</b>
Kurt Tetzlaff	BioAgua - <b>Virtual</b>
Jason Lowry	Wisconsin DNR - <b>Virtual</b>
Joe Block	<b>Virtual</b>
Jeremiah Yee	Wisconsin DHS - <b>Virtual</b>
Brenda Murphy	<b>Virtual</b>