



# **Barnes Air National Guard (ANG) Base Restoration Advisory Board Meeting #2 January 12, 2023**

The meeting will begin soon.



# Agenda



- 6:00 PM     Agenda Review and Virtual Meeting Logistics
- 6:10 PM     Welcome and Introductions
- 6:20 PM     RAB Business
- 6:30 PM     Technical Assistance for Public Participation (TAPP) Grant Status Update
- 6:40 PM         RAB Member Discussion
- 6:50 PM     Environmental Restoration Program Status Update
- 7:00 PM         RAB Member Discussion
- 7:15 PM     Public Questions and Comments
- 7:25 PM     Closing Remarks
- 7:30 PM     Adjourn



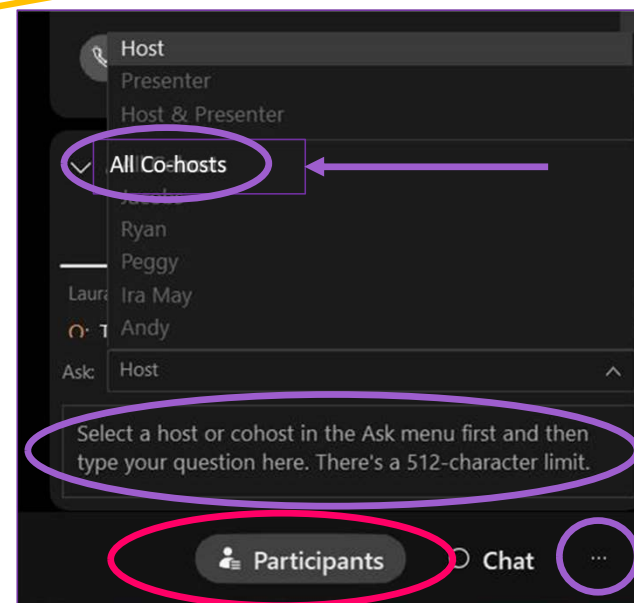
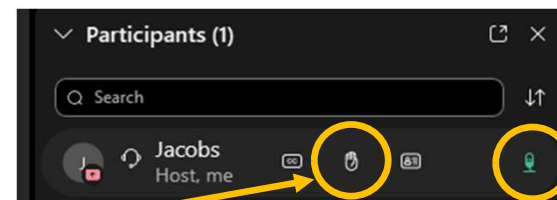
# Virtual Meeting Logistics

Amy Brand  
Jacobs  
RAB Facilitator



## Webex Basics – Computer

- Video – OFF except for presenters
- Open participants list
- To ask a question:
  - RAB Members - Raise hand to be called on to speak
    - Scroll over your name in the participant list and click on hand symbol
    - Unmute yourself when called on
  - Public participants - Type a question to “all co-hosts” in the Q&A panel
    - Click on 3 dots in lower right corner, choose Q&A
    - Select “all co-hosts” and type question
    - Questions will be answered at the end of the meeting





## Webex Basics – Telephone Participants



- Follow along on slide presentation (emailed or download from 104<sup>th</sup> Fighter Wing website at <https://www.104fw.ang.af.mil/About/Restoration-Advisory-Board/>)
- Use your phone mute button when not speaking.
- Dial \*3 to raise hand to be called on to speak after the presentation
  - Host will unmute you after seeing the raised hand
  - You will then receive a prompt to dial \*6 on the phone to unmute yourself
  - Unmute and identify yourself when asking a question or making a comment.



# Meeting Guidelines



- RAB Members
  - Questions at the end of each topic
  - Raise hand to be called on to speak
  - Please observe a 2-minute limit to enable other RAB members to participate.
- Public Participants
  - Submit questions in writing addressed to “all co-hosts”
  - Questions will be read and addressed at the end of the meeting
  - Public questions by phone may be asked verbally at the end of the meeting by pressing \*3 to raise your hand



# Welcome and Introductions

Col. David Halasikun

Kathleen Hillman

Eric Oulette



# Welcome and Introductions



## Air National Guard Team

Col. David Halasikun (Base Co-Chair)

Bill Myer, National Guard Bureau

**Jennifer Baker**, 104<sup>th</sup> FW Environmental Coordinator

**Chris Brown**, National Guard Bureau

Contractors: BB&E, Jacobs (Amy Brand, RAB facilitator)

## Community RAB Members

Kathleen Hillman, Community Co-Chair

Eric Oulette, Community Co-Chair

Chris Clark

Nabil Hannoush

Kristen Mello

Rachael Morin

Representative Kelly Pease

Senator John Velis

## Regulatory Contact

**Caprice Shaw**, Massachusetts Department of Environmental Protection (MassDEP)

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# RAB Business Follow-Up

Amy Brand  
Jacobs  
RAB Facilitator



# What is a Restoration Advisory Board?



- A stakeholder group that meets on a regular basis to discuss environmental restoration at a specific property owned by the Department of Defense (DoD) where DoD oversees the environmental restoration process (ERP).
- Environmental restoration is the investigation and cleanup of potential contamination caused by past use, storage, or disposal of hazardous materials.

## Mission of the Barnes RAB

**To establish and maintain a forum with local stakeholders for the exchange of information and ideas in an open and interactive dialogue concerning the Barnes ANG Base's ERP, specifically for per- and polyfluoroalkyl substances (PFAS).**

*A RAB may only address issues associated with environmental restoration.*

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# Approve Draft Meeting Summaries



- Draft meeting summaries:
  - RAB Meeting #1 (February 23, 2022)
  - Training Meeting on Technical Assistance for Public Participation (July 7, 2022)
- Discussion and approval
- Approved meeting are posted on the 104<sup>th</sup> FW website:  
<https://www.104fw.ang.af.mil/About/Restoration-Advisory-Board/>



# Proposed Meeting Summary Process



- Draft meeting summaries sent by email within three weeks of the meeting
- Two weeks for RAB members to review and submit any comments by email
  - If no comments, post as draft on 104<sup>th</sup> FW website  
<https://www.104fw.ang.af.mil/About/Restoration-Advisory-Board/>
  - If comments, resolve by email or by discussion at next meeting
- Next meeting
  - Discuss any comments, as needed
  - Approval
- Post meeting summaries on 104<sup>th</sup> FW website as final within one week of the next meeting



## Establish Meeting Dates



- Barnes RAB plans to meet 4 times/year, as needed
- Set meeting dates in advance
- Proposed
  - Fourth Thursday of the month
  - Every 3 months: January, April, July, October
  - Adjustments needed
- Discussion



# Technical Assistance for Public Participation (TAPP) Status Update

Bill Myer  
National Guard Bureau



## Overview of TAPP Grant and RAB recommendation



- Technical Assistance Public Participation Grant
  - TAPP provides RABs with independent technical assistance that contributes to community members' ability to provide advice to decision makers by improving their understanding of cleanup activities at a site.
  - Specifically, the TAPP program helps RAB members better understand the scientific and engineering issues underlying environmental cleanup activities.
  - <https://www.govinfo.gov/content/pkg/CFR-2016-title32-vol2/pdf/CFR-2016-title32-vol2-part203.pdf>
- RAB and RAB CO-Chair approved TAPP Grant Application on 25 August 2022
- TAPP grant scope is to review Preliminary Assessment, Site Inspection, Expanded Site Inspection, and MADEP Residential Drinking Water Well Sampling and Point of Entry Treatment Systems (POETS) and provide independent interpretation and summary of the conclusions, including but not limited to extracting and explaining what has been found out about the plume(s), characteristics, size/fate/transport/migration/profile/etc.



## TAPP Contracting Activities/Milestones

1. Acquisition Strategy: 1) Sole Source to University; 2) Sole Source to Alternate Provider; 3) Competitive Solicitation
2. Performance Work Statement (PWS) and Independent Government Cost Estimate (IGCE) for approved TAPP Grant
3. Deliverables: Technical Report to RAB, Briefing to RAB on findings with recommendations and next steps in CERCLA process
4. Acquisition Schedule/Milestones to get to award (TBD-Need funding availability letter from AFCEC to proceed with contract action)
5. Status of funding for TAPP grant:
  - On AFCEC spend plan for FY 2023 however below funding cutline
  - AFCEC is waiting for funding from the FY 2023 Omnibus which plussed up the restoration program
6. Next steps: When AFCEC receives FY 2023 funding, ANG will request funding availability letter to allow 104<sup>th</sup> Contracting Office to start contracting action





# RAB Member Discussion



- Please raise your hands and unmute yourself when recognized.
- Introduce yourself at the beginning of your question or comment.
- Please limit questions to 2 minutes to give other RAB members an opportunity to participate.



# Environmental Restoration Program Status Update

Bill Myer  
National Guard Bureau



## What is the Environmental Restoration Program (ERP)?



- Nationwide program to identify possible environmental contamination that may have resulted from **past** practices, accidents, or incidents at Department of Defense (DoD), including ANG bases.
- Designed to identify and clean up past contamination from chemical and radiological contaminants, hazardous substances, and pollutants to protect human health and safety, and the environment



# Overview of the Investigation and Cleanup Process

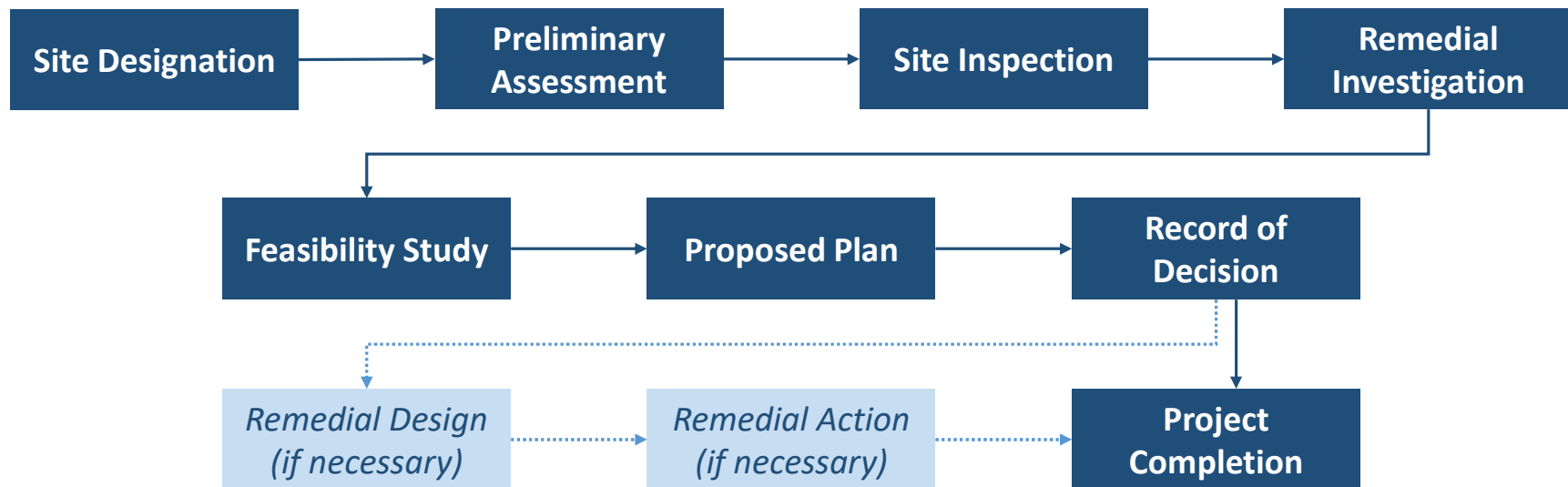


- The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) created the legal mechanism for cleaning up abandoned or uncontrolled hazardous waste sites
- DoD follows the CERCLA process for environmental cleanup
- CERCLA process includes a series of activities that involve regulators and the public in the decision-making process
- <https://www.epa.gov/superfund/superfund-cercla-overview>



# CERCLA Process

*Comprehensive Environmental Response, Compensation, and Liability Act*



*A removal action may be initiated at any time during the process  
if human health or the environment is in immediate danger.*



# Environmental Restoration Program



- Environmental investigations/cleanup (Non-PFAS sites) has been ongoing at Barnes since 1987
  - Six sites were cleaned up/closed by 2015
  - ERP Site 2 undergoing long-term monitoring (coordinating with City of Westfield)
  - Two munitions response sites closed in 2012
  - Two additional Former Underground Storage Tank (FUST) sites investigated and closed
- Investigation of PFAS began in 2016
- Coordination with regulatory agencies and stakeholders
  - Massachusetts Department of Environmental Protection (MassDEP)
  - National Guard Bureau





# Action and Screening Values for PFAS

- U.S. Environmental Protection Agency (EPA) has not set cleanup standards for PFAS under CERCLA.
- However, EPA has established Lifetime Health Advisories (LHA) of 70 parts per trillion (ppt) for PFOS and/or PFOA in drinking water under the Safe Drinking Water Act.
- Updated OSD screening limits (6 July 2022) include screening limits for three additional analytes (PFHxS, PFNA, and HFPO-DA), all were compared against site data:

Analyte	Residential (Soil) (µg/kg) <sup>a</sup> 0-2 feet bgs	Industrial/ Commercial Composite Worker (Soil) (µg/kg) <sup>a</sup> 2-15 feet bgs	Tap Water (Groundwater) (ng/L) <sup>a</sup>
PFOA	19	250	6
PFOS	13	160	4
PFBS	1,900	25,000	601
PFHxS	130	1,600	39
PFNA	19	250	6
HFPO-DA <sup>b</sup>	23	350	6

- State values may be considered for delineation, but not screening or risk assessments
- All environmental samples (soil, groundwater, surface water, and sediment) will be submitted to the analytical laboratory for PFAS by Method 1633 (40 analytes) in the RI



# Next Steps



- ESI Report completed in October 2020
- Results to date are inconclusive on direct path to Westfield public and private wells
- Next step is the Remedial Investigation
  - RI will determine nature and extent of PFOS/PFOA migration
  - Funding of the RI is dependent (in part) on results of the Relative Risk Site Evaluation and sequencing
- Funding status of Remedial Investigation:
  - On AFCEC fiscal year (FY) 2023 spend plan, however, below funding cutline
  - AFCEC is waiting for funding from the FY 2023 Omnibus plus up authorization as outlined in the FY 2023 National Defense Authorization Act (NDAA)
  - ANG has coordinated with New England United States Army Corps of Engineers (USACE) to develop schedule/budget for contracting in FY 2023. However, cannot proceed until funding is authorized.
- 104 FW will continue to collaborate with the MassDEP and the City of Westfield

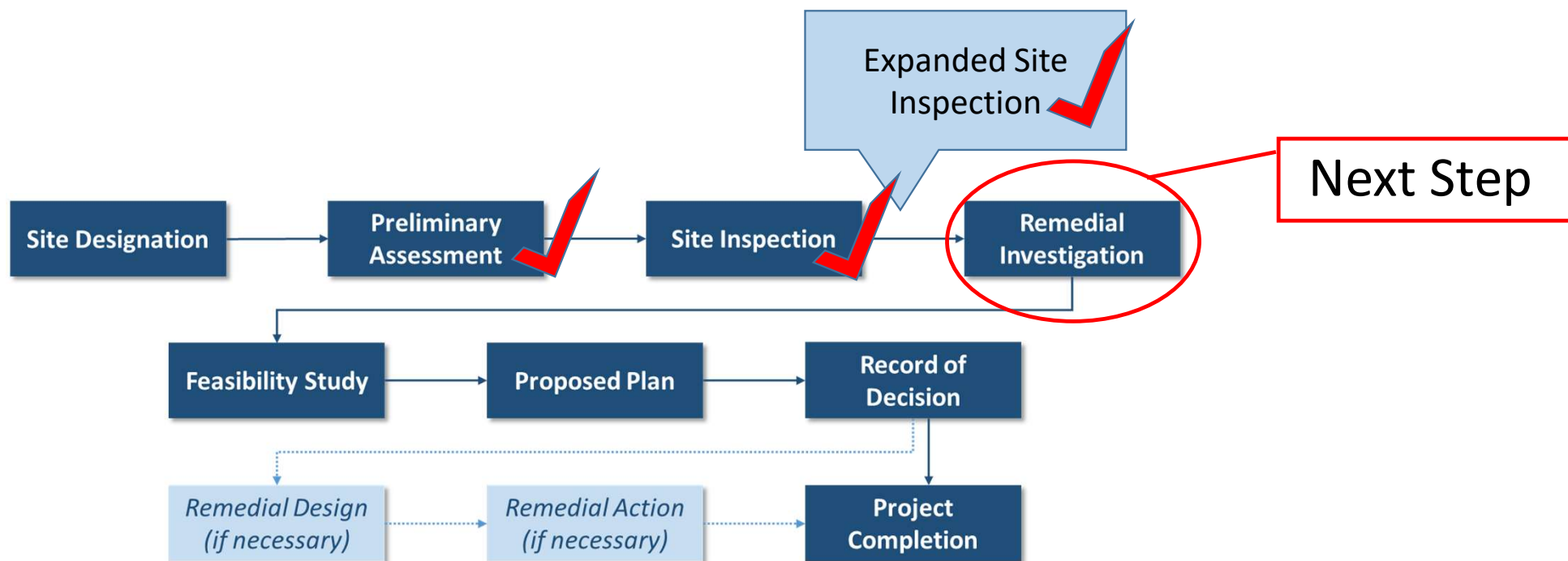






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# RAB Member Discussion



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# Public Questions and Comments



Questions submitted in writing during the meeting will be addressed.



# Contact Information



104 <sup>th</sup> Fighter Wing, Barnes Air National Guard Base		
Base Co-Chair Vice Commander <b>Col. David Halasikun</b>	Environmental Manager <b>Ms. Jennifer Baker</b>	Public Affairs Manager <b>SSgt Randall Burlingame</b> (413) 568-9151 x 698-1202 <a href="mailto:Randall.burlingame@us.af.mil">Randall.burlingame@us.af.mil</a>
Community Co-Chairs		
<b>Kathleen Hillman</b> <a href="mailto:khillman179@gmail.com">khillman179@gmail.com</a>	<b>Eric Oulette</b> <a href="mailto:eric@westfieldbiz.org">eric@westfieldbiz.org</a>	
National Guard Bureau		Massachusetts Department of Environmental Protection
Program Manager <b>Mr. Bill Myer (COL Ret., P.G.)</b> (240) 612-8473 <a href="mailto:william.myer.2@us.af.mil">william.myer.2@us.af.mil</a>		<b>Caprice Shaw</b> (413-755-2222 <a href="mailto:Caprice.shaw@state.ma.us">Caprice.shaw@state.ma.us</a>



# Websites for More Information



## Environmental Restoration Program at 104th Fighter Wing

- General and Links to PFOS/PFOA Information: <https://www.104fw.ang.af.mil/About/Environmental/>
- Restoration Advisory Board: <https://www.104fw.ang.af.mil/About/Restoration-Advisory-Board/>

## Relative Risk Site Evaluation (RRSE)

- Barnes RRSE: [https://www.104fw.ang.af.mil/Portals/5/Barnes\\_RRSE%20Fact%20Sheet%20and%20Scoring%20Summaries\\_211215.pdf](https://www.104fw.ang.af.mil/Portals/5/Barnes_RRSE%20Fact%20Sheet%20and%20Scoring%20Summaries_211215.pdf)
- RRSE Primer: [https://www.denix.osd.mil/references/dod/policy-guidance/relative-risk-site-evaluation-primer/RRSE\\_Primer\\_Summer1997.pdf](https://www.denix.osd.mil/references/dod/policy-guidance/relative-risk-site-evaluation-primer/RRSE_Primer_Summer1997.pdf)

## 104th Fighter Wing Environmental Administrative Record

- <https://ar.afcec-cloud.af.mil/Search.aspx> (Select ANG radio button, select Barnes, and click on search)

## MassDEP PFAS Information

- <https://www.mass.gov/info-details/per-and-polyfluoroalkyl-substances-pfas>

## Westfield Water Department PFAS Information

- <https://www.cityofwestfield.org/672/PFCs-Information-Updates>

## RAB Rule Handbook and Information on Technical Assistance for Public Participation

- <https://www.denix.osd.mil/rab/home/>

## Air Force Response to PFOS and PFOA

- <https://www.afcec.af.mil/WhatWeDo/Environment/Perfluorinated-Compounds/>



# Closing Remarks

Kathleen Hillman

Eric Oulette

Col. David Halasikun



Adjourn