



Barnes Air National Guard (ANG) Base Restoration Advisory Board Meeting #3 April 27, 2023

The meeting will begin soon.



Agenda



- 6:00 PM Agenda Review and Virtual Meeting Logistics
- 6:05 PM Welcome and Introductions
- 6:10 PM RAB Business
- 6:20 PM RAB Member Discussion
- 6:35 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



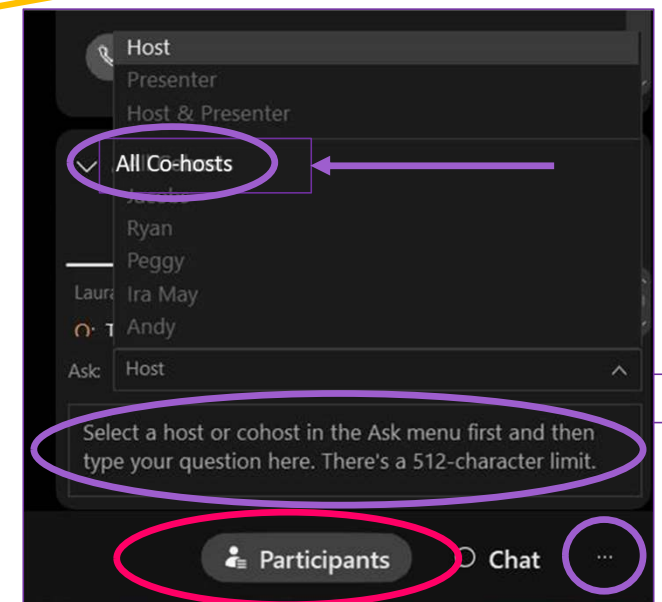
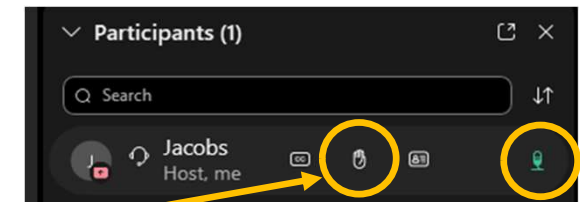
Virtual Meeting Logistics

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 104th 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 Halasi-kun

Kathleen Hillman

Eric Oulette



Welcome and Introductions



Air National Guard Team

Col. David Halasi-kun (Base Co-Chair)	Christopher Brown, National Guard Bureau
Jennifer Baker, 104 th FW Environmental Coordinator	
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)



RAB Business

Amy Brand
Jacobs
RAB Facilitator



Meeting Summaries



- Draft meeting summary from RAB Meeting #2 (January 2023)
 - As discussed at January meeting, meeting summary was reviewed and approved via email
 - Posted on the 104th FW website:
<https://www.104fw.ang.af.mil/About/Restoration-Advisory-Board/>



Upcoming Meetings



- Dates
 - Agreed on fourth Thursday of the month, every 3 months: January, April, July, October
 - Adjustments to be made when needed
 - Upcoming meetings: July 27, 2023
 October 26, 2023
 January 25, 2024 (or February 1, 2024)
- Virtual *or* Hybrid *or* In-Person?



Site Tour



- Opportunity for RAB members to see the sites discussed during RAB meetings
- Potential dates and times
 - Late afternoon weekdays
 - Weekends (Sat am?)



Technical Assistance for Public Participation Grant Status Update



- TAPP grant application approved on 25 August 2022
- Scope: 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.



Technical Assistance for Public Participation Grant Status Update



- Proposal received
- Next Steps (around 45 days)
 - Review Proposal
 - Negotiations
 - Finalize Documentation/Document Negotiations
 - 'Route Funding'
 - Award contract
 - Work to begin



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

Christopher Brown
National Guard Bureau



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





Site 2 Status Update



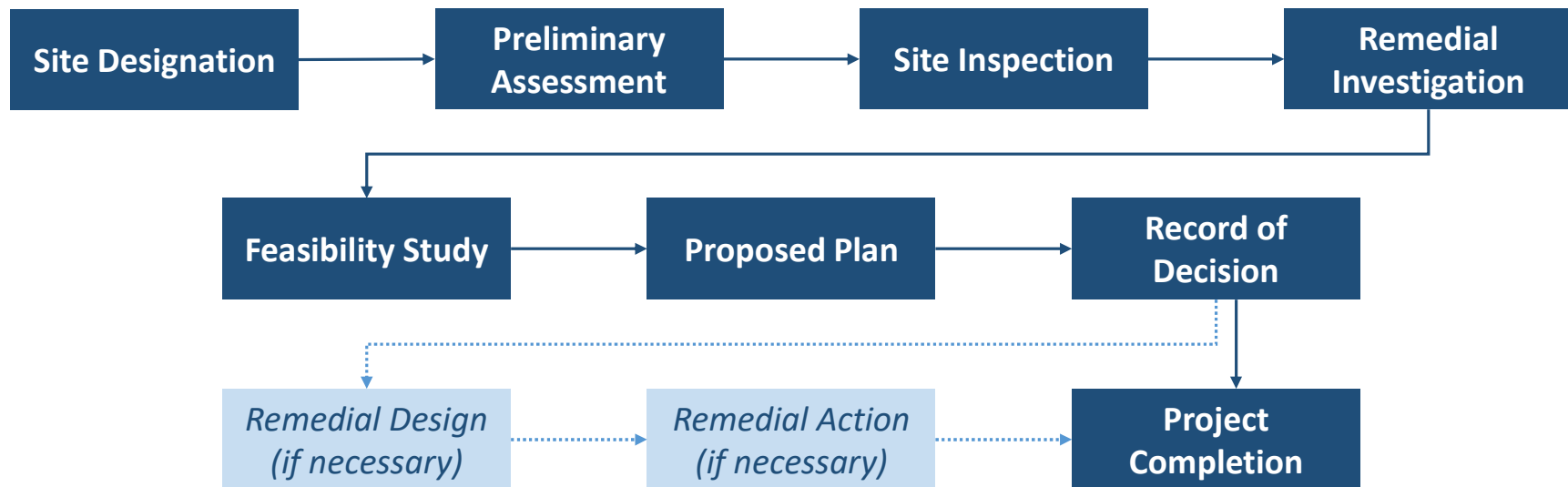
- Site 2, Former Underground Storage Tank Area
 - 4 jet fuel tanks were removed in 1998
 - Biosparging system operated from 2005-2009
 - Soil excavated in 2009
 - In-situ chemical oxidation, 6 injections 2009-2016
 - Additional investigation was completed in 2018
 - Release Abatement Measure (RAM) Completion Report 2019
 - Concluded that LNAPL had been defined and remediated to the extent feasible
- Long-term monitoring events in 2021 & 2022
 - Confirm conclusions from the RAM Completion Report
 - Contaminant is not moving but degrading in place
- Working toward a Permanent Solution Statement
 - Coordinating with City of Westfield and the Airport
 - Recommendation is an Area Use Limitation





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.*



Action and Screening Values for PFAS

- U.S. Environmental Protection Agency (EPA) Draft Maximum Contaminant Level (MCL)
 - PFOS 4 parts per trillion (ppt), PFOA 4 parts per trillion (ppt)
- EPA Lifetime Health Advisories (LHA) of 70 (ppt) for PFOS and/or PFOA in drinking water
- OSD screening limits (6 July 2022) include screening limits for three additional analytes (PFHxS, PFNA, and HFPO-DA), all were compared against site data:

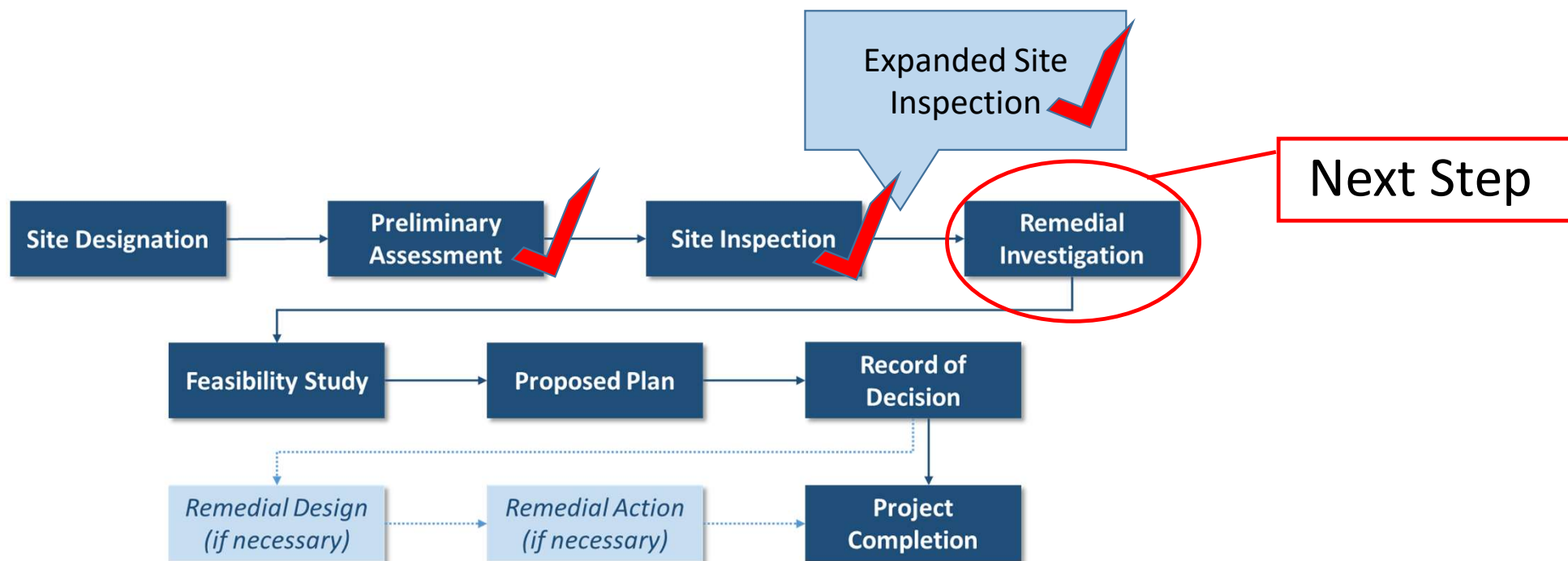
Chemical	RSL TAP Water (ng/l or ppt)	Residential: RSL Soil (mg/kg or ppm)	Industrial: RSL Soil (mg/kg or ppm)
PFOS	4	0.013	0.16
PFOA	6	0.019	0.25
PFBS	601	1.9	25.0
PFNA	6	0.019	0.25
PFHxS	39	0.13	1.6
HFPA-DO	6	0.023	0.35

- 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



CERCLA Process

Comprehensive Environmental Response, Compensation, and Liability Act



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Next Steps



- Next step is the Remedial Investigation (RI)
 - RI will determine nature and extent of PFOS/PFOA migration
- Funding status of Remedial Investigation
 - On AFCEC fiscal year (FY) 2023 spend plan
 - Funds Assurance Letter Received
 - ANG coordinated with New England United States Army Corps of Engineers (USACE) to develop schedule/budget for contracting in FY 2023
 - Projecting to award RI end of FY 2023
- 104 FW will continue to collaborate with the MassDEP and the City of Westfield





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.



Public Questions and Comments



Questions submitted in writing during the meeting will be addressed.



Contact Information



104 th Fighter Wing, Barnes Air National Guard Base		
Base Co-Chair Vice Commander Col. David Halasi-kun	Environmental Manager Ms. Jennifer Baker	Public Affairs Manager SSgt Randall Burlingame (413) 568-9151 x 698-1202 Randall.burlingame@us.af.mil
Community Co-Chairs		
Kathleen Hillman khillman179@gmail.com	Eric Oulette eric@westfieldbiz.org	
National Guard Bureau		Massachusetts Department of Environmental Protection
Program Manager Mr. Christopher Brown (240) 612-7275 christopher.brown.261@us.af.mil		Caprice Shaw (413-755-2222 Caprice.shaw@state.ma.us



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
- RRSE Primer: 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 Halasi-kun



Adjourn