



Barnes Air National Guard (ANG) Base Restoration Advisory Board Meeting #6 January 24, 2024



Agenda



- 6:00 PM Agenda Review and Hybrid Meeting Logistics
- 6:05 PM Welcome and Introductions
- 6:10 PM RAB Business
- 6:25 PM Environmental Restoration Program Status Update
- 7:10 PM Public Questions and Comments
- 7:25 PM Closing Remarks
- 7:30 PM Adjourn



Hybrid Meeting Logistics

Amy Brand

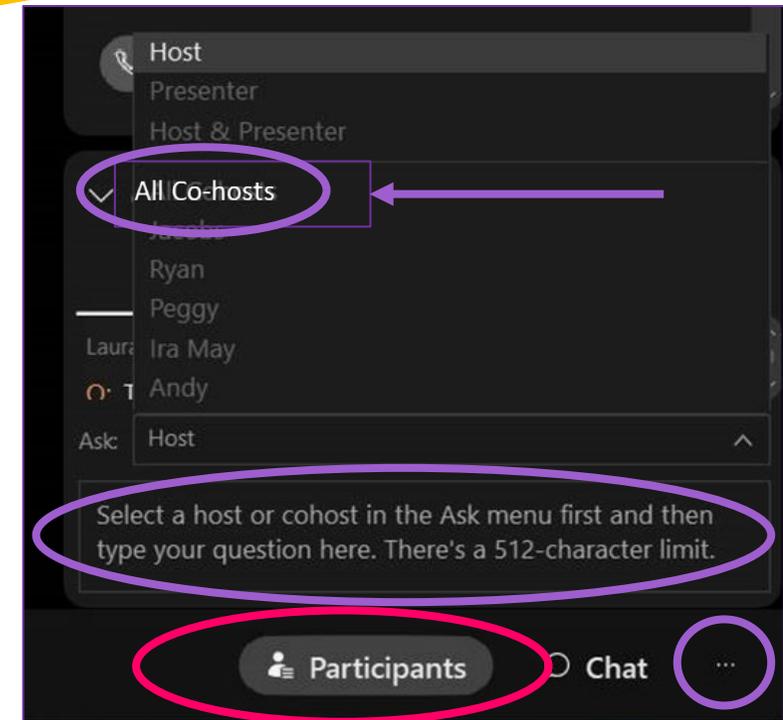
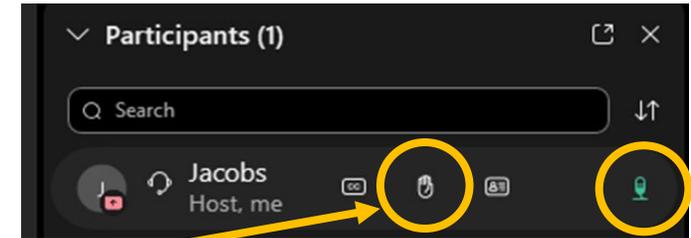
Jacobs

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
 - Ask questions at the end of each topic
 - Raise hand to be called on to speak
 - Introduce yourself so that everyone (in room and online) knows who is speaking
 - 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



Welcome and Introductions

Air National Guard Team

Col. David Halasi-kun (Base Co-Chair)

Christopher Brown, National Guard Bureau

Jennifer Baker, 104th FW Environmental Coordinator

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

Community RAB Members

Kathleen Hillman, Community Co-Chair

Marianne Babinski

Chris Clark

Nabil Hannoush

Kristen Mello

Rachael Morin

Mary O'Connell

Jane Okscin

Representative Kelly Pease

Dawn Thomas

Senator John Velis

Regulatory Contact

Caprice Shaw, Massachusetts Department of Environmental Protection (MassDEP)



Welcome and Introductions

U.S. Army Corps of Engineers (USACE) Team

Amanda Martin, Project Manager/ Technical Lead

Grace Greenberg, Risk Assessor

Jennifer Apell, PhD, Project Chemist

Mike Narcisi, Wetland Ecologist/Soil Scientist

Dan Folan, PhD, PG, LSP, Geologist/Hydrogeologist

SRS-Battelle JV Team (USACE Contractor)

Carolyn Scala, Battelle, Program Manager

Max Zelenevich, Battelle, FTL and SSHO

Andrew Barton, Battelle, Project Manager

Beth Badik, Parsons, PFAS Advisor

James Griffin, SRS, Alternate Project Manager

Todd Belanger, Parsons, Geologist



RAB Business

Amy Brand

Jacobs

RAB Facilitator



Meeting Summaries

- Draft meeting summary from RAB Meeting #5 (October 2023)
 - Emailed to the RAB – any comments?
 - Draft 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: April 25, 2024
 July 25, 2024
 October 24, 2024
- Meeting location
 - Continue with Westfield Athenaeum



Technical Assistance for Public Participation (TAPP) Grant



- Previous TAPP awarded June 16 to University of Massachusetts Amherst to obtain technical support from Dr. David Boutt
 - Presentation to RAB and summary report submitted October 2023
 - Period of performance ended 11 December 2023
- Next TAPP Grant
 - Discussion at last meeting re: topics
 - RAB members voted by majority to pursue a TAPP focused on potential human health impacts



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



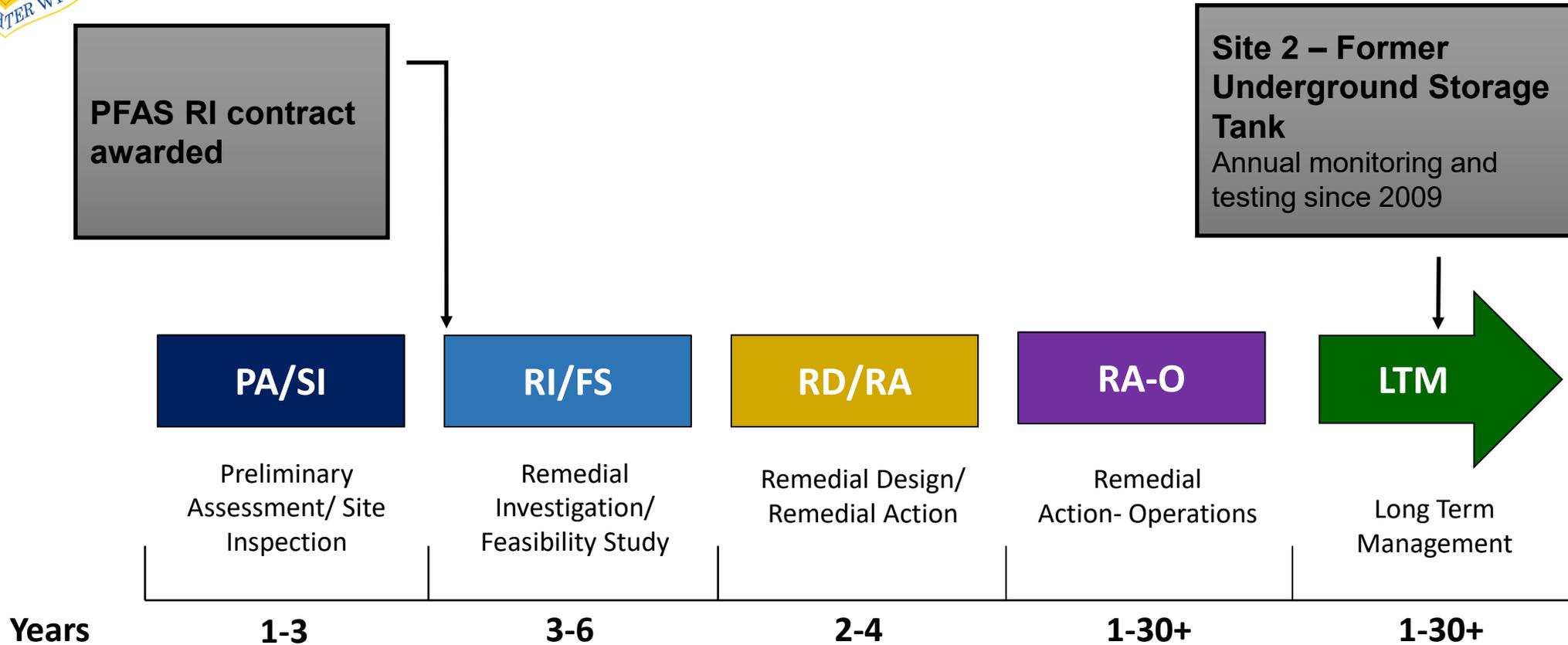
Environmental Restoration Program



- Environmental investigations/cleanup (non-PFAS sites) have been ongoing at Barnes since 1987
 - Six sites have been cleaned up and closed by 2015
 - ERP Site 2 is in long-term monitoring phase
- PFAS Investigation
 - Preliminary Assessment 2016
 - Site Investigation 2018
 - Expanded Site Inspection 2020
 - Remedial Investigation, contract awarded September 2023



CERCLA Process



* Many factors are considered when moving an environmental project to the next phase of work, including available funding.
 ** DoD can take short-term action anytime during the process, if there are exceedances of the HA of 70ppt.

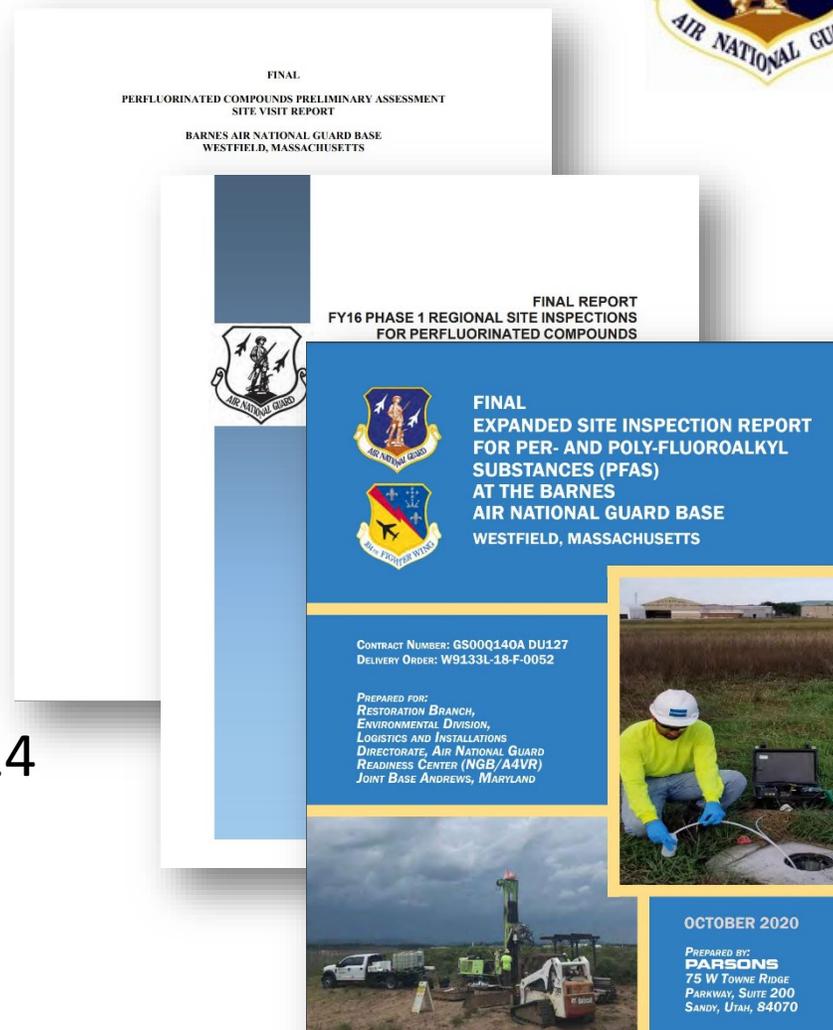
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act



Remedial Investigation Update



- Current CERCLA Step: Remedial Investigation (RI)
 - RI will determine nature and extent of PFAS migration
- Next Steps
 - Review of historical data/ identification of data gaps
 - Development of Uniform Federal Policy-Quality Assurance Project Plan (UFP-QAPP), Late Fall 2024
 - Start of field sampling activities, Late Fall 2024





Barnes Restoration Calendar

2024				2025				2026				2027		
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
FY 24				FY 25				FY 26				FY 27		
Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
FY 24 TAPP Grant			FY 25 TAPP Grant				FY 26 TAPP Grant							
UFP-QAPP			RI Field Work				RI Report							
RAB review							RAB review							



Objectives of the Remedial Investigation

- Delineate the nature and extent of PFAS in surface and subsurface soil, groundwater, surface water, and sediment from Department of Defense (DoD)-related releases
- Develop an understanding of the fate and transport of PFAS including baseline groundwater flow
- Update the Conceptual Site Model (CSM) to acquire a holistic understanding of the PFAS releases, geologic and hydrogeologic conditions, and migration in the environment
- Define background and establish site-specific PFAS background concentrations for the appropriate media (e.g., soil, groundwater, surface water, sediment)
- Prepare a quantitative baseline PFAS human health risk assessment (HHRA)



Scope of the Remedial Investigation Contract

- Source area surface soil sampling (step-out approach)
- Subsurface soil sampling (once source areas are located)
- Groundwater vertical aquifer sampling (VAS)
- Monitoring well installation, development, and sampling (at least 2 rounds)
 - Includes additional wells in the shallow overburden, intermediate overburden, deep overburden, and shallow bedrock groundwater
 - Potential for future phases to investigate deeper bedrock groundwater depending on results



Scope of the Remedial Investigation Contract

- Stream bed piezometer installation (groundwater-to-surface water interaction)
- Surface water sampling (at least 2 rounds)
- Sediment sampling
- Synoptic groundwater and surface water gauging (at least 2 rounds)
- Habitat assessment
- Evaluation of existing private and municipal well data



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



In person: Raise hand to be recognized

Online: Submit questions using the written Q&A feature



Contact Information



104th Fighter Wing, Barnes Air National Guard Base

Base Co-Chair
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-Chair

Kathleen Hillman khillman179@gmail.com

National Guard Bureau

Program Manager
Mr. Christopher Brown
(240) 612-7275
christopher.brown.261@us.af.mil

Massachusetts Department of Environmental Protection

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
Col. David Halasi-kun



Adjourn