

Subject	Meeting #2 Barnes Air National Guard Base (ANGB) Restoration Advisory Board (RAB)		
Prepared by	Johannah Phelan /Jacobs		
Location	WebEx Meeting	Date/Time	January 12, 2023, 6:00 p.m.
RAB Members in Attendance		Additional Meeting Participants	
Col David Halasikun/Barnes ANGB, Base Co-chair		Bill Myer/National Guard Bureau (NGB)	
Kathleen Hillman, Community Co-chair		Amy Brand/Jacobs	
Eric Oulette, Community Co-chair		Johannah Phelan/Jacobs	
Chris Clark			
Kristen Mello			
Rachael Morin			
John Velis			

A list of meeting attendees is provided in Attachment A.

The Barnes ANGB RAB Meeting No. 2 was held on January 12, 2023 at 1800, via WebEx. The purpose of this meeting was to provide an update on the Technical Assistance for Public Participation (TAPP) Grant and the Environmental Restoration Program (ERP). The following notes provide a summary of discussions during and after the presentation and are not intended to serve as a transcript or further explain information provided during the meeting. A copy of the presentation is attached in **Attachment B**.

- 1 The meeting began at 6:00 p.m. with the RAB facilitator, Amy Brand/Jacobs, welcoming participants. Amy presented the agenda, provided an overview of how to use the WebEx meeting platform, and then invited the Base Co-chair and Community Co-chairs to provide opening remarks.
- 2 Col Halasikun, Base Co-Chair and representative of Barnes ANGB, and Community Co-Chairs Kathleen Hillman and Eric Oulette made opening remarks welcoming and thanking RAB members and community participants.
- 3 The meeting summary for the February 23, 2022 RAB meeting was approved by a show of hands on WebEx. The RAB discussed a streamlined approach to reviewing and approving meeting summaries that would enable RAB members to review and approve the summaries by email. Assuming there is majority approval, the approved meeting summary will be posted on the 104th Fighter Wing (FW) website. The RAB agreed that approving the meeting summaries by email would allow meeting participants to view the meeting summary prior to the next meeting.
- 4 The RAB agreed that future RAB meetings will be scheduled on the fourth Thursday of every third month. The meetings for 2023 are scheduled for April 27, July 27, and October 26, 2023.
- 5 Bill Myer provided an overview of the TAPP Grant. He reviewed the purpose of a TAPP grant, the status of the Barnes RAB's TAPP grant, and clarified that the funding had recently been approved (Slide 16 of the presentation was prepared before the funding

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Barnes Air National Guard Base (ANGB)

Restoration Advisory Board (RAB)

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- was approved.) The next step is that Bill will prepare an “Authority to Release” (funds) and send it the base contracting office. They will then begin the contracting process, which he estimated takes 30-60 days. Kristen Mello thanked all of the people who were involved in the TAPP grant application process and asked whether that meant they would likely have the grant before the next RAB meeting. Bill stated that he hoped so, unless something unexpected occurred.
- 6 Bill Myer reviewed the ERP and how it is implemented through the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process. He described the steps in the CERCLA process, and the status of ERP activities at Barnes that are not related to per- and poly-fluoroalkyl substances (PFAS).
- 7 Bill then reviewed the action and screening values for PFAS investigations and stated that they are waiting for the U.S. Environmental Protection Agency (EPA) to set cleanup standards for PFAS under CERCLA. He emphasized that state values may be used for delineation but not for risk or screening assessments. He also indicated that a new analytical method is now being used that analyzes 40 analytes and will be used during the Remedial Investigation (RI).
- 8 Bill described the next step for the PFAS investigation at Barnes, which is the RI. He indicated that Slide 24 was prepared before funding was authorized and was now out of date. Funding has been authorized, and the RI at Barnes is on track to move forward. Bill stated that the contract is expected to be awarded by September 30, 2023. The contract will be awarded through the United States Army Corps of Engineers (USACE) and they are working on refining the Performance Work Statement (PWS).
- 9 Kristen Mello asked about the level of participation the RAB will have with contracting. Bill explained that the first documents to be produced will be the Project Management Plan and the Uniform Federal Policy Quality Assurance Program Plan (UFP-QAPP). The UFP-QAPP is the work plan and describes how the work will be completed, provides proposed sampling locations, etc. The RAB would participate by providing feedback on the UFP-QAPP. This would likely happen in Spring 2024.
- 10 Bill said meeting minutes from Technical Project Planning (TPP) sessions can be shared with the RAB. Kristen asked if a RAB member could witness the sessions in real time. Bill indicated that he had never had a RAB member attend a TPP meeting and he was not aware of a precedent for that. Caprice Shaw with Massachusetts Department of Environmental Protection (MassDEP) indicated that she will see if MassDEP has any guidance on the topic.
- 11 Chris Clark asked what considerations ANG is making about remediation, including the unique chemical properties of PFAS from a base. Bill said additional information will be collected for downstream decisions on the cleanup. RIs are designed to collect the information and a Feasibility Study is where remediation alternatives are evaluated. Chris also asked whether RAB member feedback on contamination and remediation techniques, would be considered by the ANG. Bill indicated that was the purpose of public comment periods on technical documents and that RAB member feedback and public comments would be considered before decisions are made.
- 12 RAB review comments on technical issues and concerns about the planning documents will be considered prior to finalizing the UFP-QAPP.
- 13 Existing data will be used for planning. It provides a starting point to help identify data gaps and helps determine the Data Quality Objectives (DQOs). DQOs define what data is

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- needed and why, and they are developed during UFP-QAPP planning process in coordination with MassDEP.
- 14 The UFP-QAPP has a standardized format with up to 37 worksheets. A presentation on the UFP-QAPP format and worksheet explanation could be done prior to the RAB reviewing the document. It would explain where to look for specific information and why that information is important.
- 15 Kathy Hillman indicated she would like to have a presentation on the UFP-QAPP format, and she mentioned that it might be appropriate for the RAB to apply for a second TAPP Grant for FY24 (in October 2023).
- 16 Kristen Mello confirmed that the PFAS analytical method scoped for the RI is 1633. She asked if it was possible for the RAB to split samples for non-targeted analysis for academic purposes. The RAB is curious about total mass balance. Bill Myer mentioned Strategic Environmental Research and Development Program (SERDP) and Environmental Security Technology Certification Program (ESTCP) grants that are awarded to universities for research. There are multiple PFAS studies being conducted. More information can be found at <https://www.serdp-estcp.org/focusareas/e18ec5da-d0de-47da-99f9-a07328558149/pfas-afff>
- 17 There were no questions from the public.
- 18 The Community Co-Chairs thanked everyone for their participation and the Barnes ANGB Co-chair thanked the RAB members for pushing the agenda for an RI at Barnes and it was critical in receiving the funding. The meeting was adjourned at 1930.

Action Items

- 1 Caprice Shaw/MassDEP will see if she can find any guidance on RAB members participating in TPP sessions.

ATTACHMENT A

Attendance List

Barnes Air National Guard Restoration Advisory Board Meeting #2
January 12, 2023

Name

Amy Brand/Jacobs
Amy Porter
Bill Myer
Bonnie L Spencer
Call-in User_2
Call-in User_3
Call-in User_4 - John Velis
Call-in User_5
Call-in User_6
Call-in User_8
Caprice Shaw MassDEP
Chris Brown NGB/A4VR
Chris Padden
Christopher Clark
Col David Halasi-Kun
Elaine Magdinec
Eric Oulette
Jane
Jennifer Baker
Jill Adams
Johannah Phelan
Joy Dargon
Kate Girardin
Kathleen Fournier
kathy hillman
Kristen Mello
Larisa Lawrence - ANG
Lorie
Mary Ann Babinski
Nicole Perry
Pat Haber
Randy Burlingame
Sarah Robertson
Sarah Pelton
Tom Barzyk



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

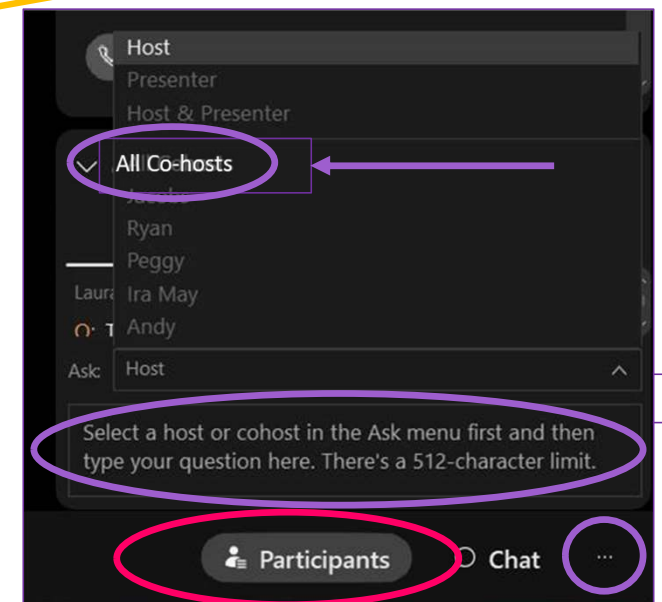
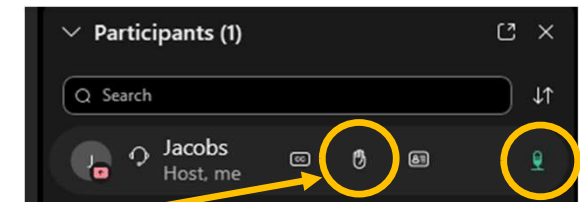
Jacobs

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 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 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, 104th 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.

10



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 104th 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 104th 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 104th 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 104th 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

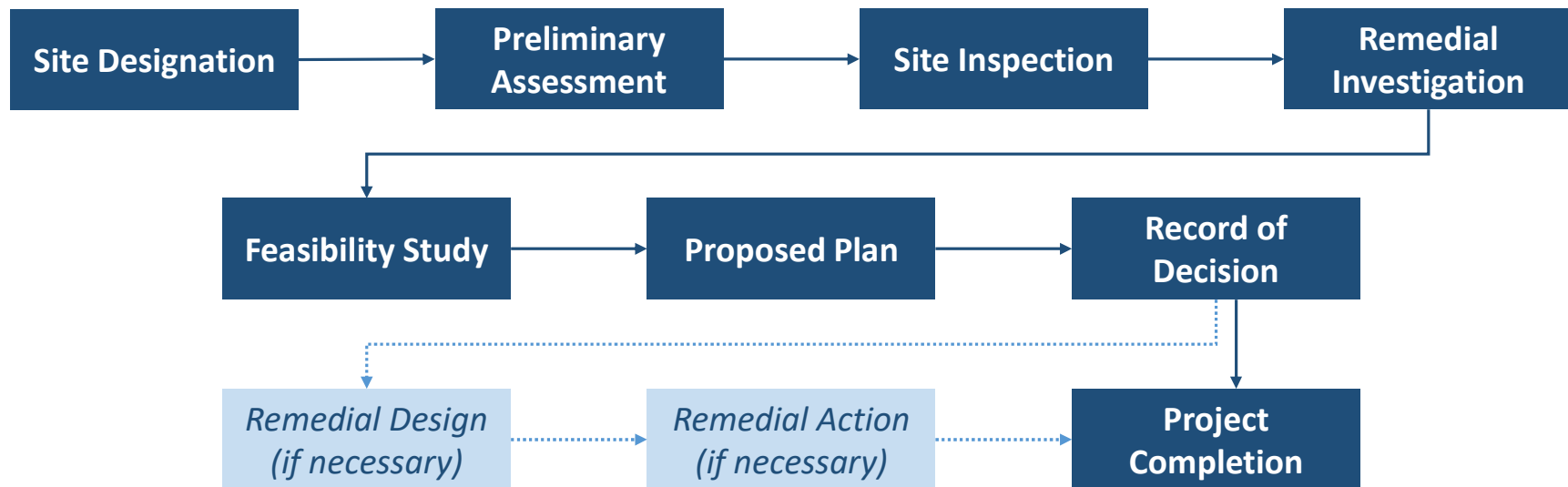


- The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) created the legal mechanism for cleaning up abandoned or uncontrolled hazardous waste sites
- DoD follows the CERCLA process for environmental cleanup
- CERCLA process includes a series of activities that involve regulators 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) ^a 0-2 feet bgs	Industrial/ Commercial Composite Worker (Soil) (µg/kg) ^a 2-15 feet bgs	Tap Water (Groundwater) (ng/L) ^a
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 ^b	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



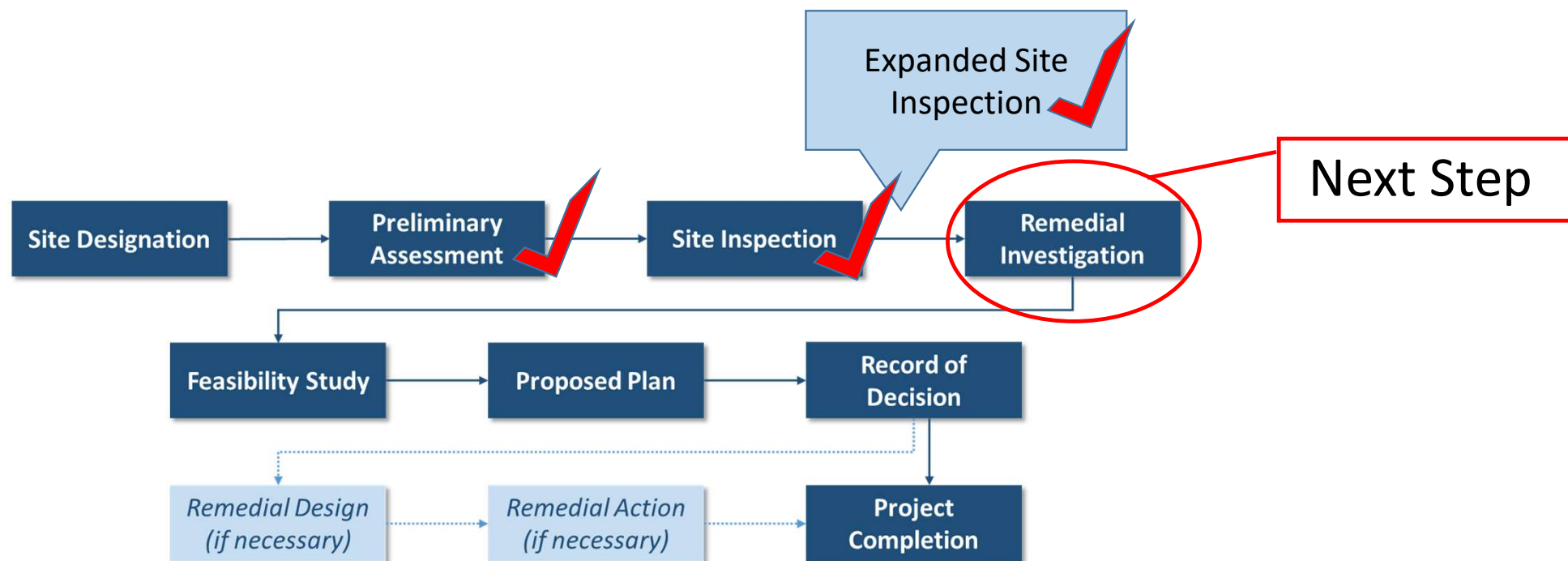
- ESI Report completed in October 2020
- Results to date are inconclusive on direct path to Westfield public and private wells
- Next step is the Remedial Investigation
 - RI will determine nature and extent of PFOS/PFOA migration
 - Funding of the RI is dependent (in part) on results of the Relative 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





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.



RAB Member Discussion



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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 Halasikun	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. Bill Myer (COL Ret., P.G.) (240) 612-8473 william.myer.2@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 Halasikun



Adjourn