



Barnes Air National Guard (ANG) Base Restoration Advisory Board Meeting #7 April 25, 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

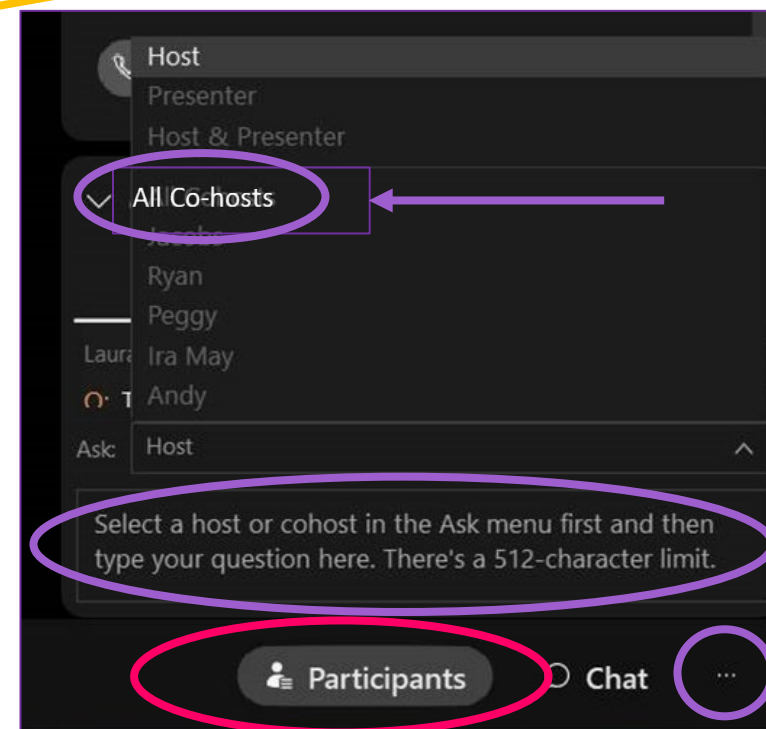
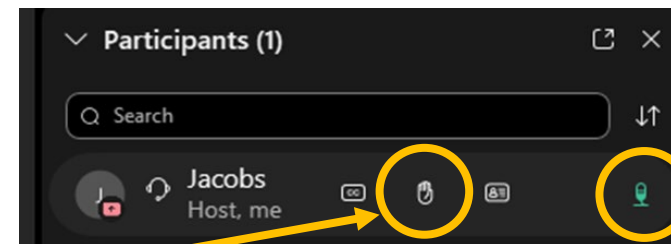
RAB Facilitator



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)

Andrew Barton, Battelle, Project Manager

James Griffin, SRS, Alternate Project Manager



RAB Business

Amy Brand

Jacobs

RAB Facilitator



Meeting Summaries

- Draft meeting summary from RAB Meeting #6 (January 2024)
 - 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: July 25, 2024
 October 24, 2024
 January 23 *or* 30, 2024
- Meeting location
 - Continue with Westfield Athenaeum?



Technical Assistance for Public Participation (TAPP) Grant

- FY23 TAPP awarded June 16 to University of Massachusetts Amherst
 - RAB Reporting Requirement, ref. CFR203.14
 - Informal report on the services obtained and overall satisfaction of the community with quality of service and products received.
 - Should include: brief project description, services obtained, and overall satisfaction
- FY24 TAPP Grant
 - RAB members voted by majority to pursue a TAPP focused on potential human health impacts
 - Funding Approved April 16, funds being routed to Base Contracting



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



The Maximum Contaminant Level Rule



- On 10 Apr 2024, EPA established final maximum contaminant levels (MCL) for several PFAS in drinking water
 - PFOA and PFOS: 4ppt each; PFHxS, PFNA and HFPO-DA (GenX): 10ppt each
 - Mixtures of two or more of PFHxS, PFNA, HFPO-DA, and PFBS: Hazard Index of 1
- The rule provides five years for regulated drinking water purveyors to comply with the MCL levels
- DoD will implement these standards at all DoD-owned drinking water systems
- MCLs are also used as cleanup standards, and can be used as a risk trigger level to take short-term actions (e.g., private drinking water well treatment), under the federal cleanup law, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
 - DAF is reviewing existing PFAS sampling results
 - DAF will be expanding existing cleanup investigations, and assess “background” levels of PFAS
 - Providing drinking water treatment for impacted off-base wells on prioritized basis, with focus on installing enduring solutions such as municipal connections or whole-house filters
 - Prioritizing locations where known levels of PFAS in drinking water from DAF activities are the highest



Remedial Investigation Update

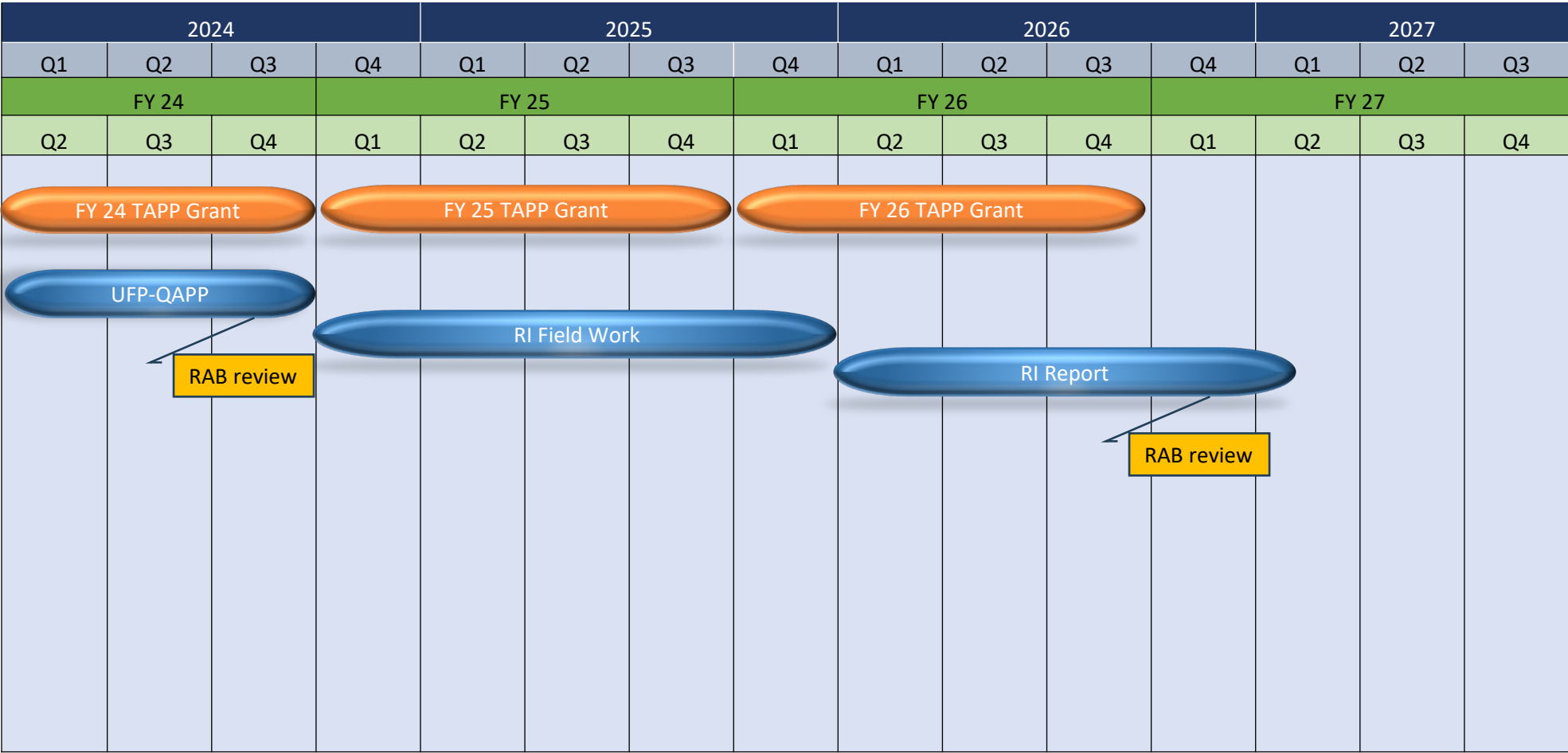


- Current CERCLA Step: Remedial Investigation (RI)
 - Uniform Federal Policy-Quality Assurance Project Plan (UFP-QAPP), Late Fall 2024
 - Start of field sampling activities, Late Fall 2024





Barnes Restoration Calendar





UFP-QAPP Template



TABLE OF CONTENTS

ACRONYMS AND ABBREVIATIONS	iii
INTRODUCTION	1-1
WORKSHEETS 1 & 2 – Title and Approval Page and QAPP Identifying Information.....	2-1
WORKSHEETS 3 & 5 – Project Organizational Chart & QAPP Distribution.....	3-1
WORKSHEETS 4, 7, & 8 – Personnel Qualifications	4-1
WORKSHEET 6 – Communication Pathways	6-1
WORKSHEET 9 – Technical Project Planning Sessions Summary and Participants Sheet.....	9-1
WORKSHEET 10 – Conceptual Site Model	10-1
WORKSHEET 11 – Data Quality Objectives	11-1
WORKSHEET 12 – Measurement Performance Criteria	12-1
WORKSHEET 13 – Secondary Data Uses and Limitations.....	13-1
WORKSHEETS 14 & 16 – Project Tasks and Schedule	14-1
WORKSHEET 15 – Project Action Limits and Laboratory-Specific Detection/Quantitation Limits.....	15-1
WORKSHEET 17 – Sampling Design and Rationale	17-1
WORKSHEET 18 – Sampling Locations and Methods.....	18-1
WORKSHEETS 19 & 30 – Sample Containers, Preservation, and Hold Times.....	19-1
WORKSHEET 20 – Field Quality Control Summary	20-1
WORKSHEET 21 – Field Standard Operating Procedures	21-1
WORKSHEET 22 – Field Equipment Calibration, Maintenance, Testing, and Inspection.....	22-1
WORKSHEET 23 – Analytical Standard Operating Procedure References	23-1
WORKSHEET 24 – Analytical Instrument Calibration.....	24-1
WORKSHEET 25 – Analytical Instrument and Equipment Maintenance, Testing, and Inspection.....	25-1
WORKSHEETS 26 & 27 – Sample Handling, Custody, and Disposal	26-1
WORKSHEET 28 – Analytical Quality Control and Corrective Action.....	28-1
WORKSHEET 29 – Project Documents and Records.....	29-1
WORKSHEETS 31, 32, & 33 – Assessments and Corrective Action	31-1
WORKSHEET 34 – Data Verification and Validation Inputs.....	34-1
WORKSHEET 35 – Data Verification Procedures	35-1
WORKSHEET 36 – Data Validation Procedures.....	36-1
WORKSHEET 37 – Data Usability Assessment	37-1
REFERENCES	38-1

Worksheet 10 contains the following:

- Detailed description of the region (climate, hydrogeology, geology, etc.)
- Site history, setting, and justification for PFAS investigation at each Area of Concern (AOC)
- Description of potential receptors and potential pathways

Worksheet 11 contains the following:

- Presentation of the reasoning behind the sampling approach, the goals of the study, and the pieces of information that will go into the final report and results.

Note: The following worksheets are chemistry and field application focused and are included to provide the lab analysts and sample team the information to accurately collect and process samples:

Worksheets 12, 15, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37



UFP-QAPP Template



TABLE OF CONTENTS

ACRONYMS AND ABBREVIATIONS	iii
INTRODUCTION	1-1
WORKSHEETS 1 & 2 – Title and Approval Page and QAPP Identifying Information.....	2-1
WORKSHEETS 3 & 5 – Project Organizational Chart & QAPP Distribution.....	3-1
WORKSHEETS 4, 7, & 8 – Personnel Qualifications	4-1
WORKSHEET 6 – Communication Pathways	6-1
WORKSHEET 9 – Technical Project Planning Sessions Summary and Participants Sheet.....	9-1
WORKSHEET 10 – Conceptual Site Model	10-1
WORKSHEET 11 – Data Quality Objectives	11-1
WORKSHEET 12 – Measurement Performance Criteria.....	12-1
WORKSHEET 13 – Secondary Data Uses and Limitations.....	13-1
WORKSHEETS 14 & 16 – Project Tasks and Schedule	14-1
WORKSHEET 15 – Project Action Limits and Laboratory-Specific Detection/Quantitation Limits	15-1
WORKSHEET 17 – Sampling Design and Rationale	17-1
WORKSHEET 18 – Sampling Locations and Methods.....	18-1
WORKSHEETS 19 & 30 – Sample Containers, Preservation, and Hold Times.....	19-1
WORKSHEET 20 – Field Quality Control Summary	20-1
WORKSHEET 21 – Field Standard Operating Procedures	21-1
WORKSHEET 22 – Field Equipment Calibration, Maintenance, Testing, and Inspection.....	22-1
WORKSHEET 23 – Analytical Standard Operating Procedure References	23-1
WORKSHEET 24 – Analytical Instrument Calibration.....	24-1
WORKSHEET 25 – Analytical Instrument and Equipment Maintenance, Testing, and Inspection	25-1
WORKSHEETS 26 & 27 – Sample Handling, Custody, and Disposal	26-1
WORKSHEET 28 – Analytical Quality Control and Corrective Action.....	28-1
WORKSHEET 29 – Project Documents and Records.....	29-1
WORKSHEETS 31, 32, & 33 – Assessments and Corrective Action	31-1
WORKSHEET 34 – Data Verification and Validation Inputs.....	34-1
WORKSHEET 35 – Data Verification Procedures	35-1
WORKSHEET 36 – Data Validation Procedures.....	36-1
WORKSHEET 37 – Data Usability Assessment	37-1
REFERENCES	38-1

Worksheet 17 contains the following:

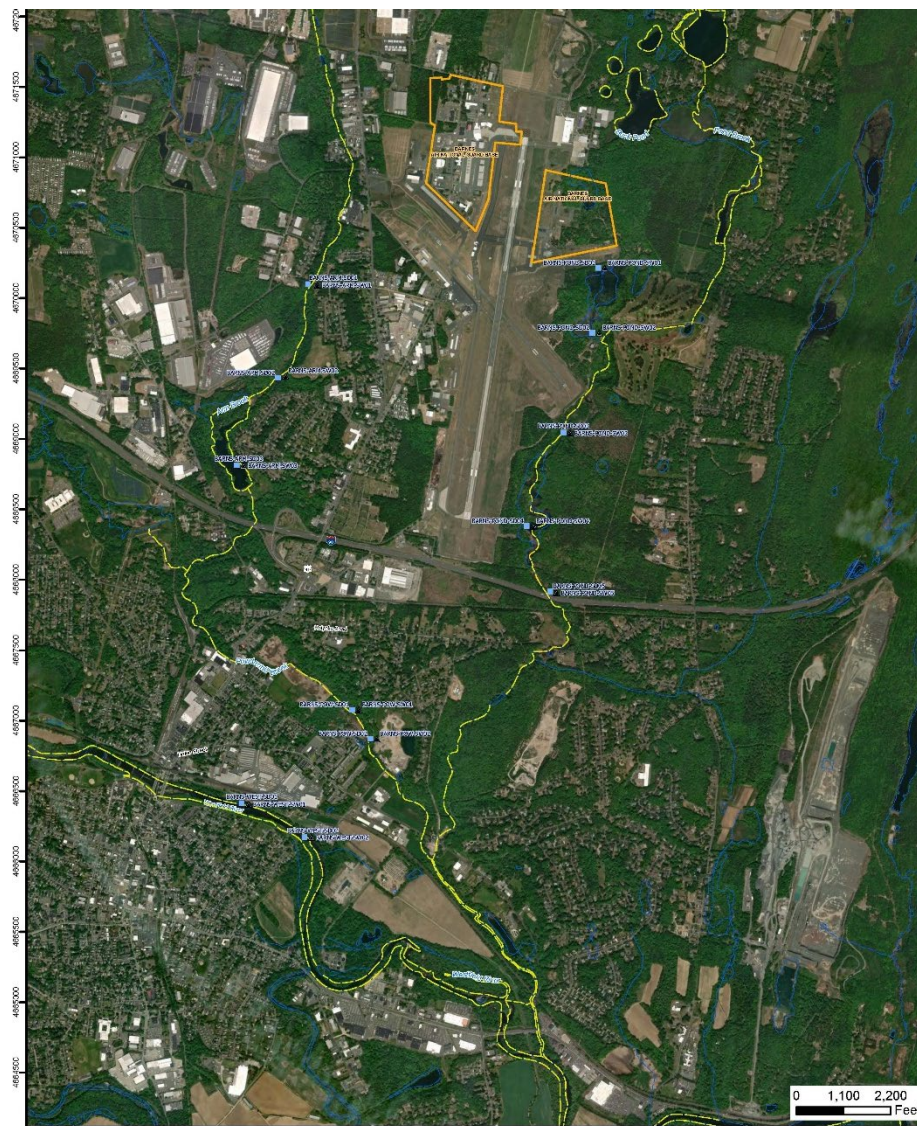
- Background information on what was considered when selecting locations to be sampled
- Soil sample locations and rationale
- Groundwater sampling locations and monitoring well locations and rationale
- Surface water, porewater, and sediment sample locations and rationale

Worksheet 18 contains the following:

- Soil sample locations, depths, and associated Area of Concern (AOC)
- Groundwater sample locations, depths, and associated AOC
- Sediment sample locations, depths, and associated AOC
- Surface water sample locations, depths, and associated AOC
- Porewater sample locations, depths, and associated AOC
- Additional samples that will be collected for laboratory analysis to ensure the level of data quality is adequate



PFAS RI – Surface Water and Sediment Areas



Legend

- ESI Sediment Sample
- ▲ ESI Surface Water
- Proposed Surface Water for Sampling
- Surface Water Feature
- Installation Boundary



PFAS RI – Groundwater and VAS Areas



Legend

- Groundwater Monitoring Well
- Community Groundwater Well
- Proposed Vertical Aquifer Sample Area
- Area of Concern (AOC) - Approximate
- Installation Boundary



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



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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