

Air Force Civil Engineer Center



Pease RAB Meeting

2 December 2020



Checklist for Virtual Participation

- ✓ If you joined audio by phone, please make sure that you have entered your participant ID number. **(To see your Participant ID, click the “Join Audio” button on the left of the menu, and select “Phone Call”.) You can add your participant ID number by entering *#[participant ID]#* on your phone keyboard.**
- ✓ RAB members – mute when not speaking and turn on your video camera if you are able.
- ✓ Please open the Zoom Chat and Participant windows.
- ✓ If necessary, rename yourself by hovering over your name in the “Participants” tab and providing your first and last name
- ✓ Use participant tools to raise your hand
- ✓ Enabling closed captions for language support, use toolbar button
- ✓ Contact Maggie Osthues with tech questions: mosthues@cbi.org



- **Welcome, Introduction, RAB Business – Ona Ferguson (Consensus Building Institute)**
- **Update on Private Wells and Drinking Water**
 - Annual Review of Private Wells – Haley Plant (Wood)
 - NHDES Update – Peter Sandin (NHDES)
- **Open Discussion**
- **AF Cleanup Update**
 - Remedial Investigation / Feasibility Study (RI/FS) Process Review – Roger Walton
 - Community Input Update – Amy Quintin (Wood)
 - City of Portsmouth Update – Brian Goetz (Portsmouth DPW)
- **Public Comments**
- **Meeting recap – Ona Ferguson**
- **Adjourn**



Introduction & RAB Business



- **Review Technology – Meeting is recorded**
- **Approve meeting summary from August 2020**
- **Public comment procedure**
 - To indicate that you'd like to make public comment, please chat the host or email Linda Geissinger by 5:20pm
 - 3 minutes per person
- **RAB participation**
 - Indicate you'd like to speak by clicking the blue hand icon or speaking up
 - You may mute and unmute yourself
 - Be patient and kind please
- **Contact Maggie Osthues with tech questions:**
mosthues@cbi.org



Update on Private Wells



- **Summary provided on 30 Oct 2020**

- Tracking is typically done by property (map lot), not individual wells
- Initial inventory in 2014 and subsequent annual updates have identified 105 total wells; inventory forms sent to all well owners to determine usage
- 42 wells identified as drinking water sources
- All 42 drinking water wells sampled at least once
- Three wells are no longer used for drinking water resulting in 39 remaining in the current monitoring program
- Additionally, 11 of the non-drinking water wells were sampled between 2014-2016; sampling discontinued after non-potable use was confirmed
- Four properties have been sent inventory forms in 2015, 2017, and 2020; none have been returned and sources of drinking water are unknown



Update on Private Wells



- **Annual Review Process:**

- Search the NHDES Well Database for newly drilled wells
- Refresh the public water supply account database from Portsmouth Water District
- Screen assessor's databases for any ownership changes for properties with reported non-drinking water wells
- Correspondence with Code Enforcement for newly built residences that may have installed a well
- Evaluation of the annual review process

- **Summary**

- **39 homes in current monitoring program**
- **8 monitored quarterly**
- **31 monitored annually**



NHDES Private Well Response Actions

- September 30, 2019 original effective date for new PFAS AGQs
- October 4, 2019 NHDES issued AGQS Notification Letters to 5 Private Well owners with past detection of PFAS at a concentration that would exceed current AGQS. Recommended bottled water
- July 23, 2020 new AGQSs signed into law
- September 2, 2020. Air Force responded to NHDES request to recognize and act on AGQSs
- September 2020 – Present. Received 2020 Private Well Results, communicated with 5 originally notified well owners, coordinated bottled water delivery to 3 properties with confirmed current exceedances, contracted consultant to evaluate property-specific permanent mitigation options (e.g. municipal connection, POETS)



Open Discussion Time



- **Opportunity for RAB members to discuss additional topics and share RAB-related updates**



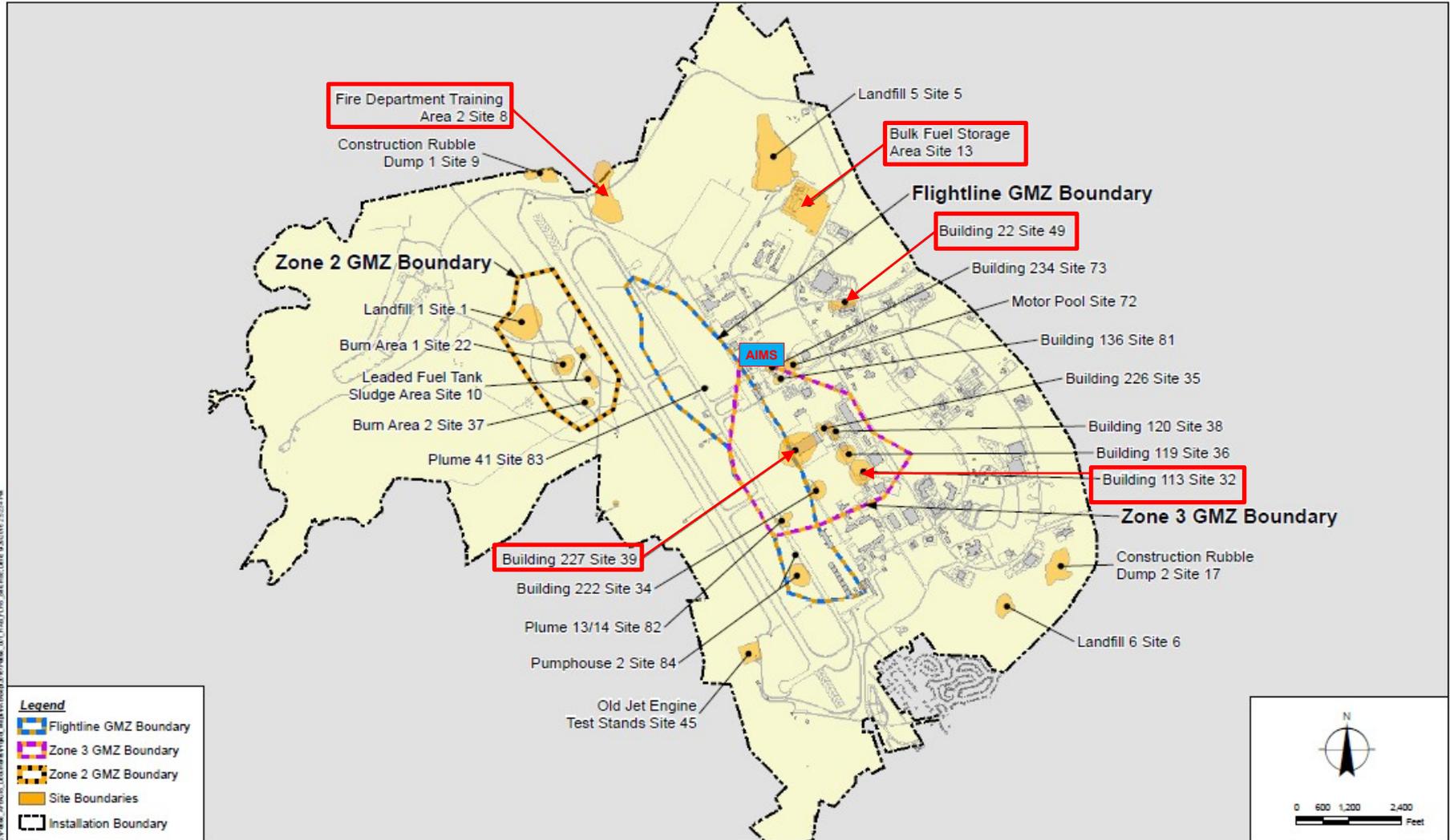
Air Force Cleanup Update



- **Relative Risk Site Evaluation (RRSE):**
 - Release for public comment on 25 September 2020
 - Comment period closed 24 October 2020
 - No public comments received
- **Non-PFAS Cleanup Sites**
 - Site 39 soil vapor extraction (SVE) system continues remedial operations
 - Performance monitoring/sampling of Site 39 groundwater and sub-slab vapor underway
 - Additional routine groundwater sampling also in process for:
 - Site 13 – Former Bulk Fuels Storage Area
 - Site 32 – Building 113
 - Site 49 – Former Building 22



Air Force Cleanup Update



Former Pease Air Force Base
Restoration Sites

Battle Ready... Built Right!



- **PFOS/PFOA Treatment Plants**

- **Site 8**

- Iron removal still being balanced
- Currently operating at 40-45 gallons per minute (gpm)
- 10 wells operating and extraction rates are being increased
- Semi-annual sampling completed in October 2020
- Over 36 million gallons treated through 18 November 2020

- **AIMS**

- Operating at approximately 500 gpm
- Semi-annual sampling completed in September 2020
- Over 328 million gallons treated through 18 November 2020



Public comment reminder



- **To indicate that you'd like to make public comment, please chat the host or email Linda Geissinger by 5:20pm**

Air Force Civil Engineer Center



Community Input to Remedial Investigation Scoping Activities

02 December 2020



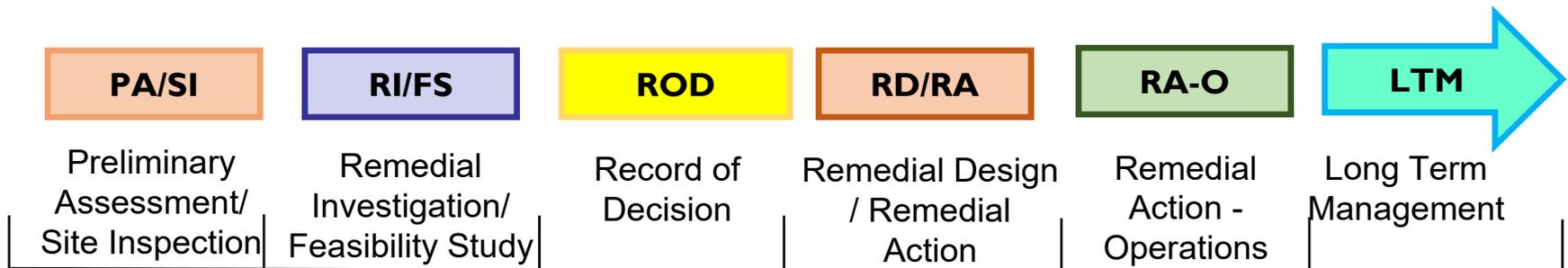
CERCLA Overview



Conceptual Process



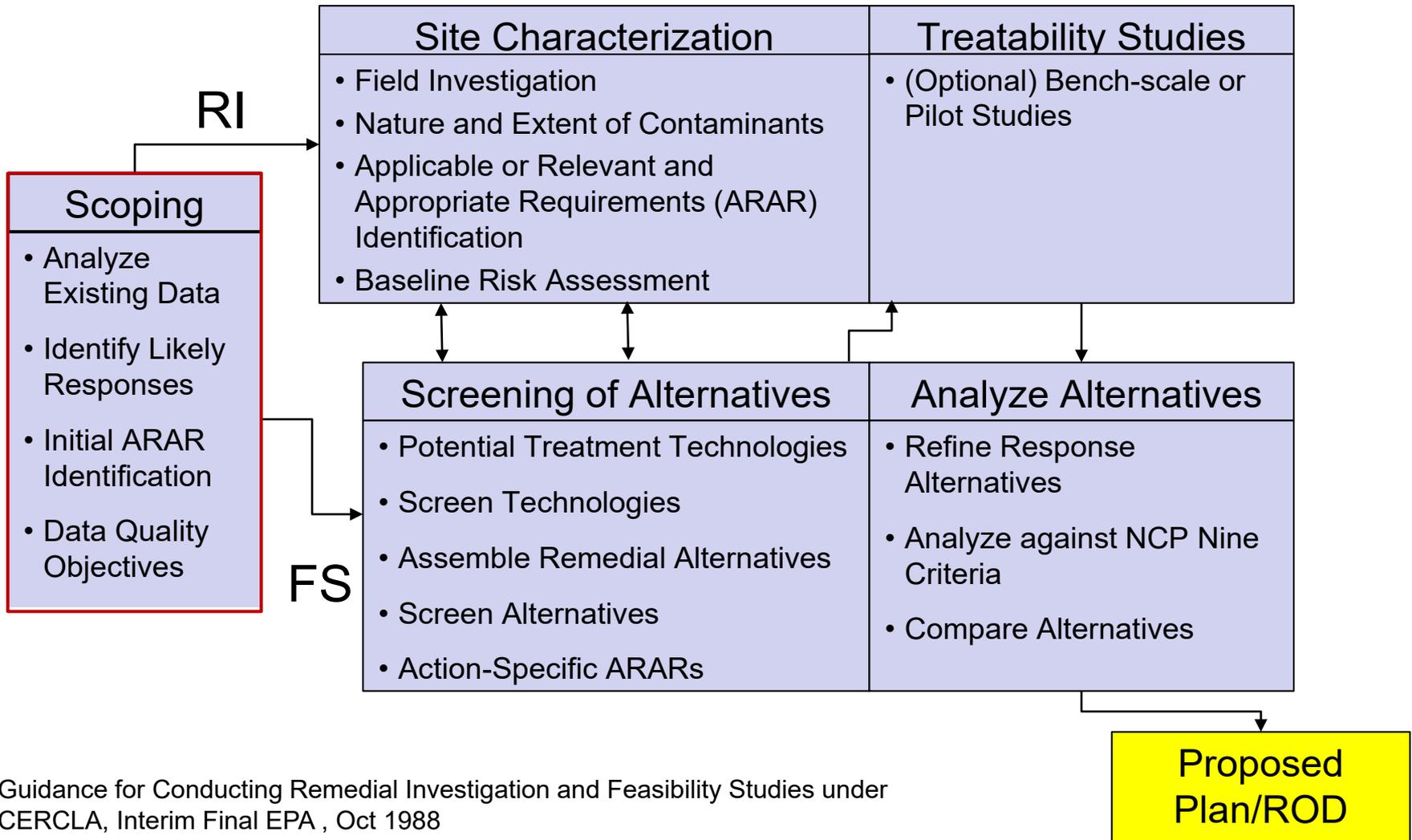
CERCLA Nomenclature



Began August 2020

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

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- **Purpose**
 - to refine the CSM and groundwater model
 - to identify locations for future sampling
- **Summary of desktop review and field work**
 - Public outreach and questionnaire
 - Identify springs along the western boundary
 - Assess groundwater levels at Landfill 5 and Site 13 (bulk fuel storage area)
 - Sample select Site 13 monitoring wells for PFAS
 - Review NHDES groundwater extraction permits outside Pease boundaries
 - Review Pease storm water system details
 - Borehole geophysical logging of bedrock wells on Pease
 - Site 8 geochemical sampling



Existing Data Review



- **Identification of areas for data gathering**
 - Private Well Inventory Area





- **Data gathering questionnaires**

- Used to understand water uses on private property other than drinking water (i.e. backyard agriculture including raising poultry, eggs, and produce)
- Questionnaire A – Owners of lots serviced by municipal water to identify if there is a private well or other water uses ([Click here](#))
- Questionnaire B – Owners of lots with confirmed private wells to identify site-specific uses of well water ([Click here](#))

- Approx. 500 questionnaires mailed out as of 1 December 2020

- Electronic submission also possible using links above or on the AF Pease website at:

<https://www.afcec.af.mil/Home/BRAC/Pease.aspx>

- **Informal technical session to review conceptual site model (CSM) to be scheduled in mid-December**
 - Open to RAB members, but will not be a RAB meeting
 - Brainstorming format to capture areas of uncertainty for exposure pathways, media to be sampled, etc.





- **Questionnaire Response Review**
- **Evaluation of Working Session Input**
- **RI Work Plan to Regulators**
- **Conclusion of RI Scoping**
 - Presentation of RI Scoping results to RAB
- **Final RI Work Plan and First Sampling Begins**

Pease RI inquiries:
By phone: (978) 614-0329
By email: Pease.RI@woodplc.com

Pease Tradeport Water Treatment System Update



Pease Restoration Advisory Board
December 2, 2020

Pease Water Treatment Facility – Design Rendering:



Building Construction – October 2020



Pease Water Treatment Facility - Construction In Progress:



PFAS Sampling for September 22, 2020				
Sample Point	PFHxS	PFNA	PFOS	PFOA
NH MCLs (ppt)	18	11	15	12
Grafton Road Treatment Treated Water	ND	ND	ND	ND

Notes:
"NH MCLs" are the New Hampshire Maximum Contaminant Levels (effective July 2020).
"ND" is considered Non Detect. Per NHDES, "estimated numbers below the reporting limit are considered Non Detects."

New carbon filters were installed and put into service in April 2020. Approximately 100 million gallons of Harrison and Smith well water has been treated through the filters.

Sampling in September showed all NH regulated PFAS compounds as "ND" or Non Detect

Resin Filters Currently Installed and Getting Piped into System

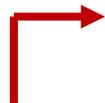


Construction Schedule:

Activity	Duration	Start	Finish	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	
Bidding	61	11/15/2018	1/15/2019	█																															
Contract Award	56	1/15/2019	3/12/2019		█	█																													
Notice to Proceed	0	3/12/2019	3/12/2019					★																											
Submittals	181	3/13/2019	9/10/2019				█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Equipment Procurement	224	6/4/2019	1/14/2020																																
Phase 1 - Building Addition & GAC Filters	379	6/10/2019	6/23/2020																																
GAC Filters On-Line with Smith & Harrison	27	5/27/2020	6/23/2020																																
Phase 2 - Resin Skid, Cartridge Filters, Booster Pumps	279	5/29/2020	3/4/2021																																
Full System Start-Up with Smith & Harrison	48	1/15/2021	3/4/2021																																
Phase 3 - Admin Area, Site Work, Haven Well Online	200	10/15/2020	5/3/2021																																
Full System Start-Up with Haven	42	3/4/2021	4/15/2021																																
Final Completion	4	4/29/2021	5/3/2021																																★

Milestones:

- Spring 2019 – Begin Construction
- June 2020 – New GAC Filters (switchover of Harrison/Smith Wells)
- Spring 2021 – Startup with Resin/GAC filters (Harrison/Smith Wells)
- Summer 2021 – Haven Well Startup



Next Significant Milestone – Resin Filter Startup – Early 2021

Operations Update

- Performing additional performance testing of resins with Haven well water to better predict life of resin filter media and changeout frequency for resin/GAC filters
- Plan to pump test Haven Well to obtain full suite of water quality data from the well prior to sending that water to Grafton Road Facility
- Additional information and data posted on City of Portsmouth website:
 - <https://www.cityofportsmouth.com/publicworks/water/pease-tradeport-water-system>



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