

Air Force Civil Engineer Center



Pease RAB Meeting

26 June 2019



Agenda



- **Welcome and Introduction** – Ona Ferguson (Consensus Building Institute)
- **RAB Business** – Linda Geissinger (AFCEC PA)
- **Open Discussion**
- **Air Force Cleanup Update** – Roger Walton (AFCEC)
- **Portsmouth Water Treatment** – Al Pratt (City of Portsmouth)
- **Public Comments**
- **Open Discussion Time**
- **Meeting recap, upcoming meeting date** – Ona Ferguson
- **Adjourn**



RAB Member Administrative Items



- **Approve summary from March 2019 RAB meeting**
- **Quick update on RAB practices – videotaping, start time**



RAB Purpose & Focus



Linda Geissinger
Air Force Civil Engineer Center
Public Affairs

Air Force Civil Engineer Center



Restoration Advisory Board Review

June 26, 2019



RAB Purpose

Represent

- Represent local communities
- Share community concerns

Communicate

- Help provide info to the public
- Report findings back to community

Participate

- Review, evaluate and comment on documents related to installation restoration

Advise

- Provide input on restoration issues to decision makers

 Community RAB members

 All RAB members



Focus on Restoration

RABs address issues associated with environmental restoration activities



Assessment & Investigation

Decision Points

Cleanup

Technical Assistance, Education

Community Input

- PA/SI/RI
- Feasibility studies
- work plans
- final reports

- RODs
- remedies

- 5 year reviews
- oversight
- mitigation
- site closure

- site tours
- technology

- proposed plans & remedies
- public comment & outreach



Focus on Restoration

If a topic or question is raised that is beyond the scope of the RAB, the AF co-chair may identify the POC, or pass along the inquiry to the appropriate party for resolution.

Health

- Studies
- Blood sampling
- Former military exposures

Financial

- Proposed budgets
- Funding details

State/ local

- Local gov. issues
- Easements & Access

Reuse activities

- Development related issues
- Noise complaints

Other investigations

- Studies not related to AF restoration

Focus on Restoration



Does the topic impact restoration?

Example: Newly released health study

Did the study influence or affect promulgated standards or lifetime HA?



It is appropriate for a health agency to present study background, findings & recommendations.

- AF should present on impacts to restoration, investigation, mitigation actions.



It is not appropriate to discuss health studies or speculate without impacts to restoration activities.

Instead, use RAB:

- To provide brief stakeholder update
- Direct people to appropriate community forum to discuss



Pease RAB Membership Update



Community RAB Members – 10 Members

Appointed RAB Members – 7 Members

Adding New Members

- **Community RAB members serve 2-year terms**
- **At the end of their term, their membership is renewable**
- **Terms end in December**
- **At each spring meeting, new members are added as appropriate**



Open Discussion Time



- **Opportunity for RAB members to share thoughts, questions and concerns related to the clean up**



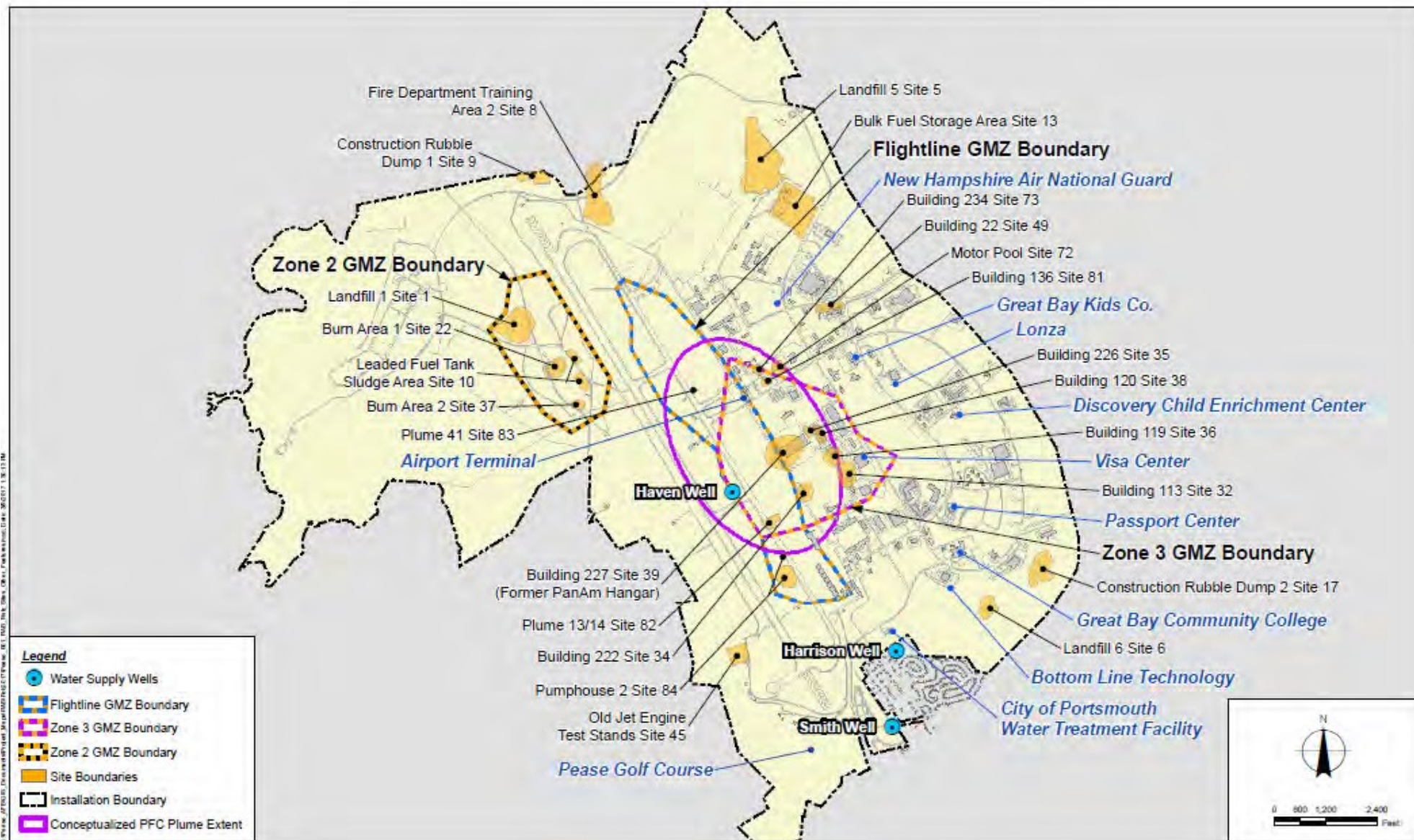
Air Force Clean Up Update



Roger Walton
Air Force Civil Engineer Center



Pease Sites Map





Update June 2019



- AIMS Tour Recap
- Five-Year Review
- Data available (DVD Distributed)
 - 2017 Site Inspection Summary (all PFAS)
 - Private Well Sampling through Dec 2018 (all PFAS) – *Privacy Information Removed*
 - Draft 2018 Sentry Well Monitoring (all PFAS)
 - Surface Water, Sediment, Groundwater, and Shellfish Tissue from draft Expanded Site Inspection
- PFOS/PFOA Expanded Site Inspection
 - Draft Submitted to Regulators on 24 June 2019
 - Technical Review with interested members prior to September RAB
 - During business hours in conjunction with September RAB Meeting
 - Detailed review of document, data and conclusions



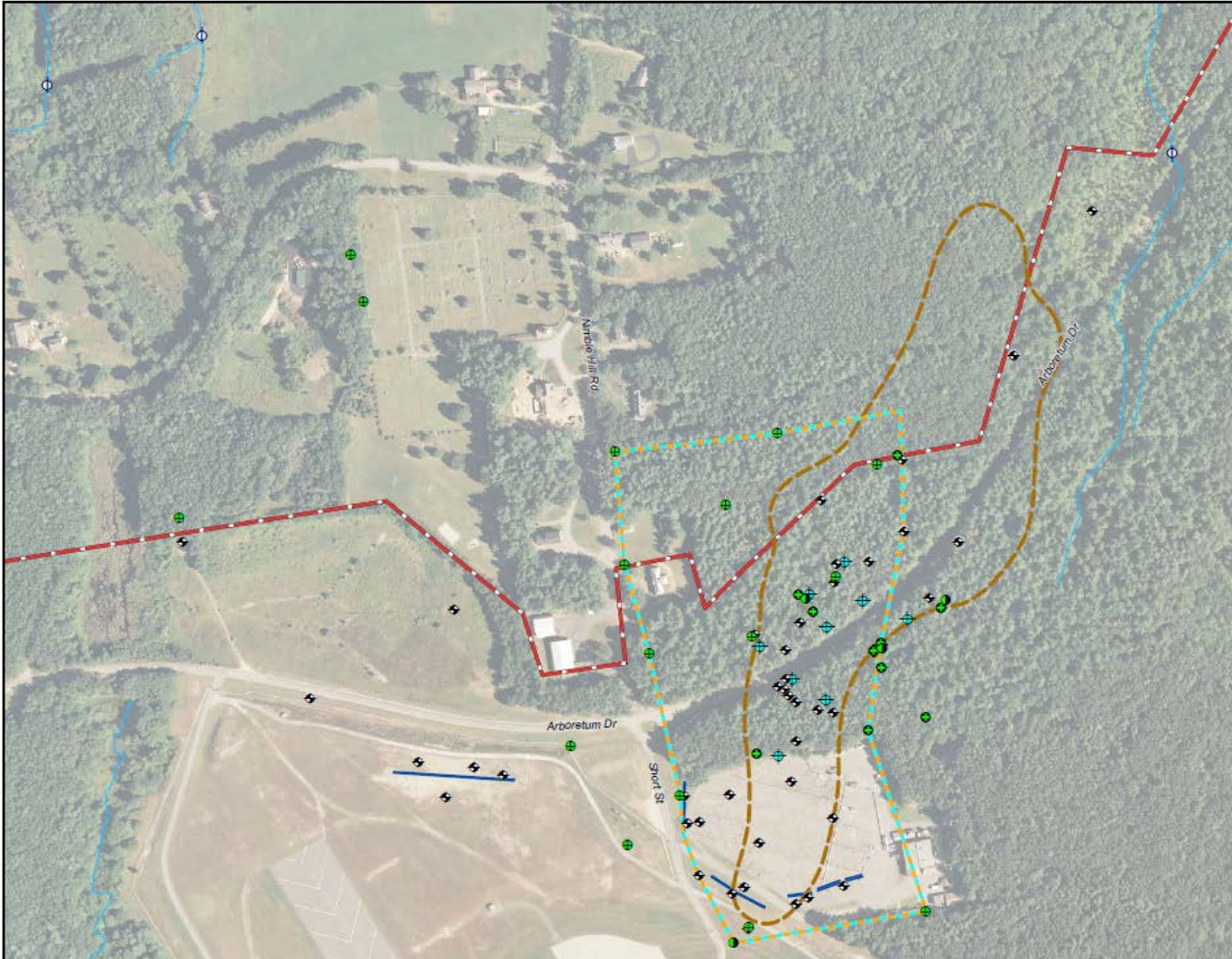
Performance Monitoring



Robert Singer
Wood E&I



Site 8 Performance Monitoring – Hydraulic Control



- Monthly Water Level Gauging of:
 - 75 Groundwater MW's
 - 3 Stream Gauges
- Extraction Well Performance
- Monthly Groundwater Table Maps

SYMBOL KEY

◆ Overburden Monitoring Well	⊕ Extraction Well	▭ Interpreted Bedrock Trough
● Hybrid Monitoring Well	⊕ Stream Gauge	— Surface Water Bodies
⊕ Fractured Bedrock Monitoring Well	— Recharge Trenches	▭ Installation Boundary
● Deep Bedrock Monitoring Well	▭ Site 8 GMZ	



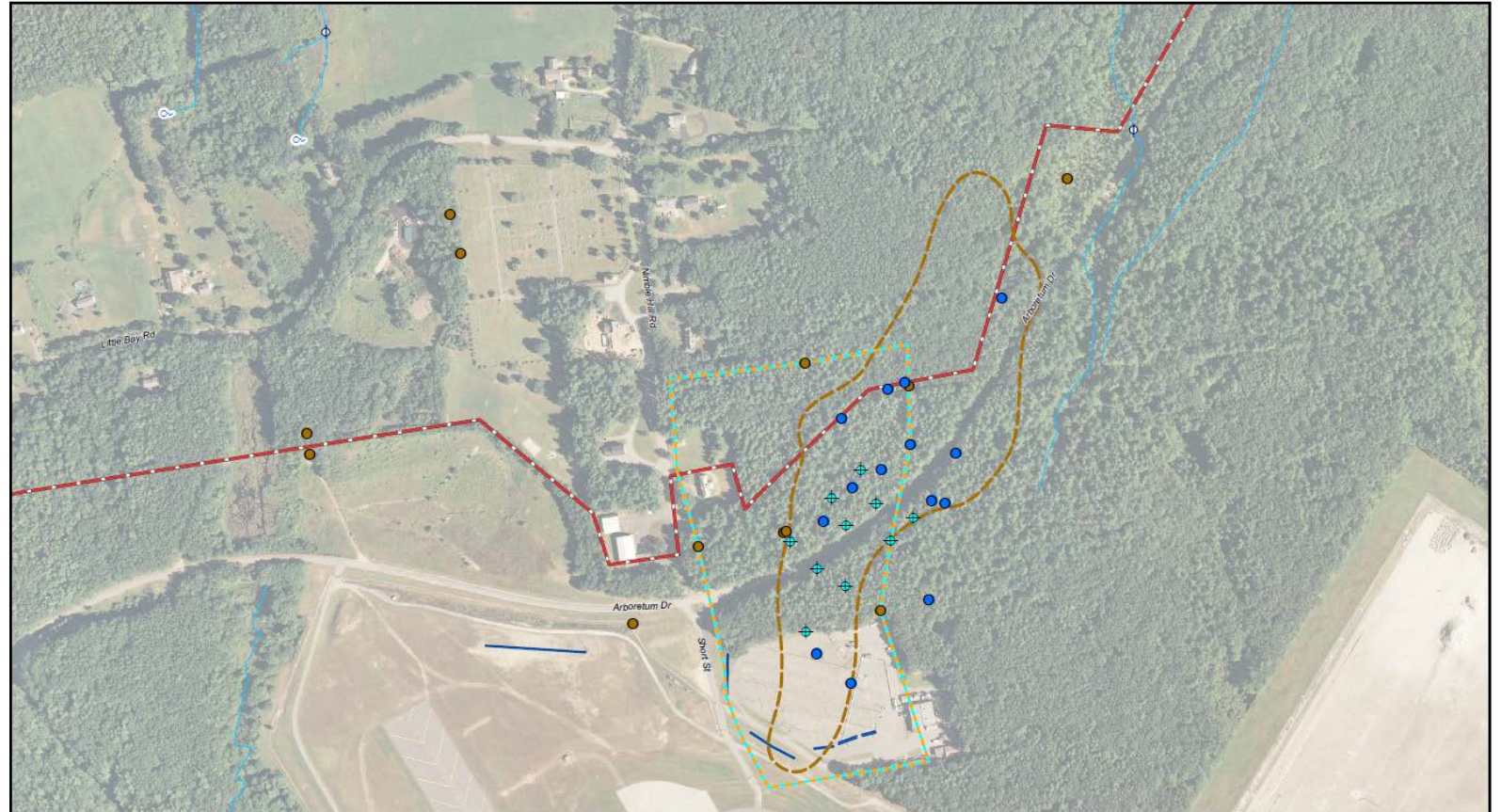
Site 8 Performance Monitoring – Sample Locations

Spring Sampling:

- 26 Groundwater MW's
- 10 Extraction Wells
- 2 Stream Gauges
- 2 Springs

Fall Sampling:

- 14 Groundwater MW's
- 10 Extraction Wells
- 2 Springs



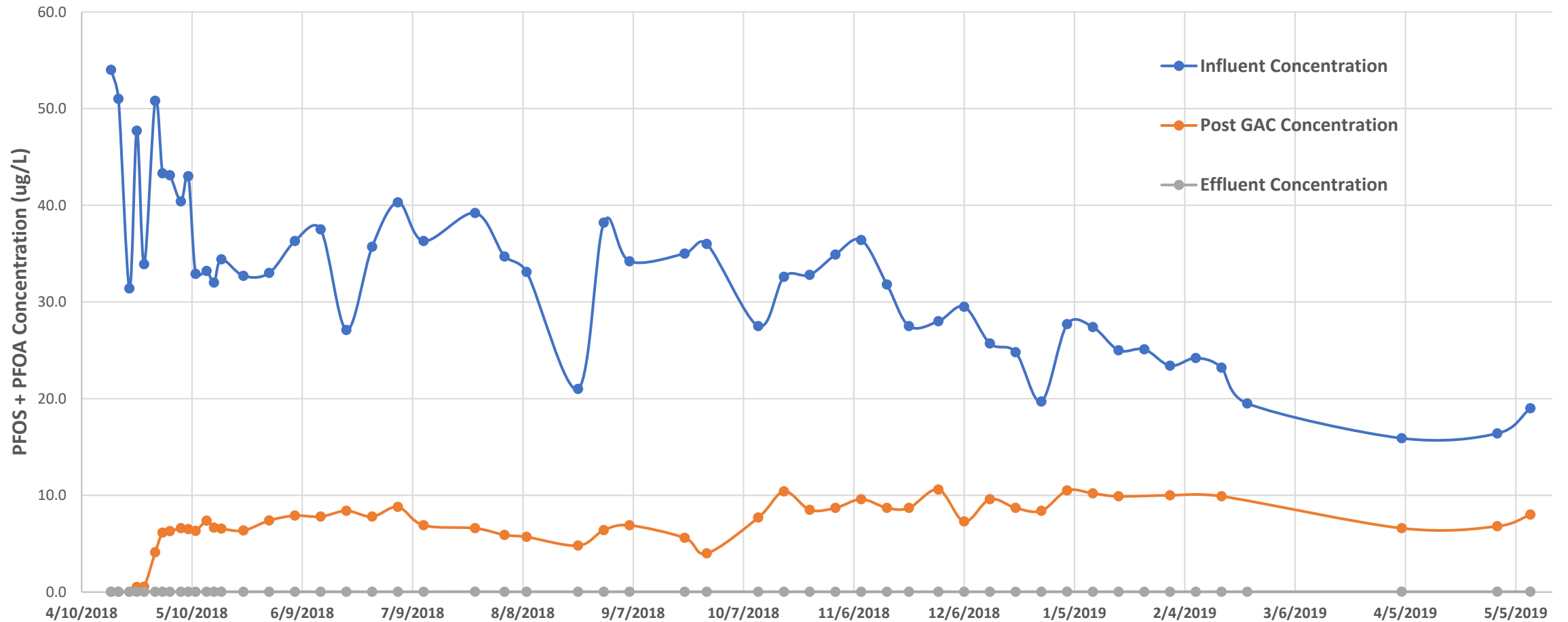
SYMBOL KEY

- | | | | |
|-------------------------------|-----------------------------------|-------------------|----------------------------|
| Spring Only Sample Locations: | Spring and Fall Sample Locations: | Recharge Trenches | Interpreted Bedrock Trough |
| ● Monitoring Well | ● Monitoring Well | Site 8 GMZ | Surface Water Bodies |
| ⊕ Stream Gauge | ⊕ Extraction Well | | Installation Boundary |
| | ○ Spring | | |



Site 8 Performance Monitoring – Treatment

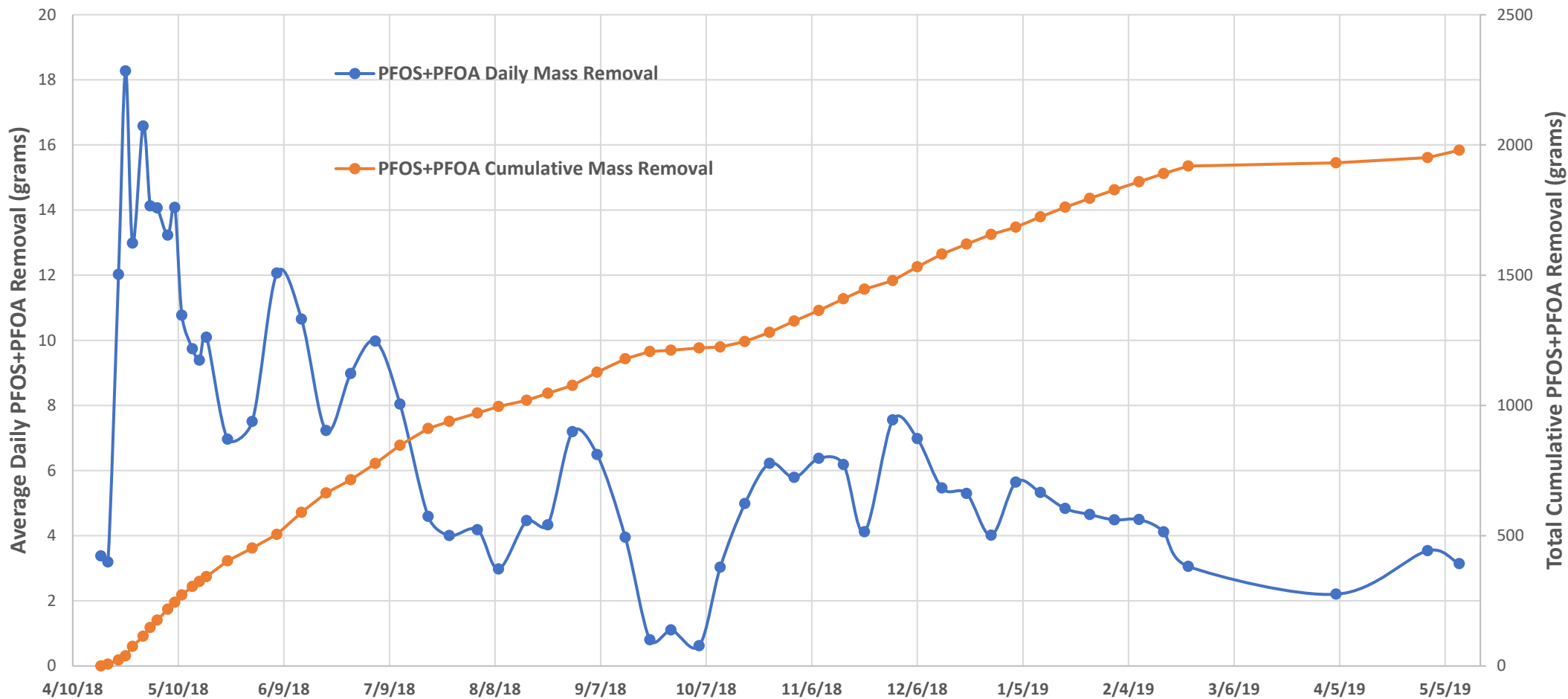
PFOS + PFOA Concentration through Treatment Train





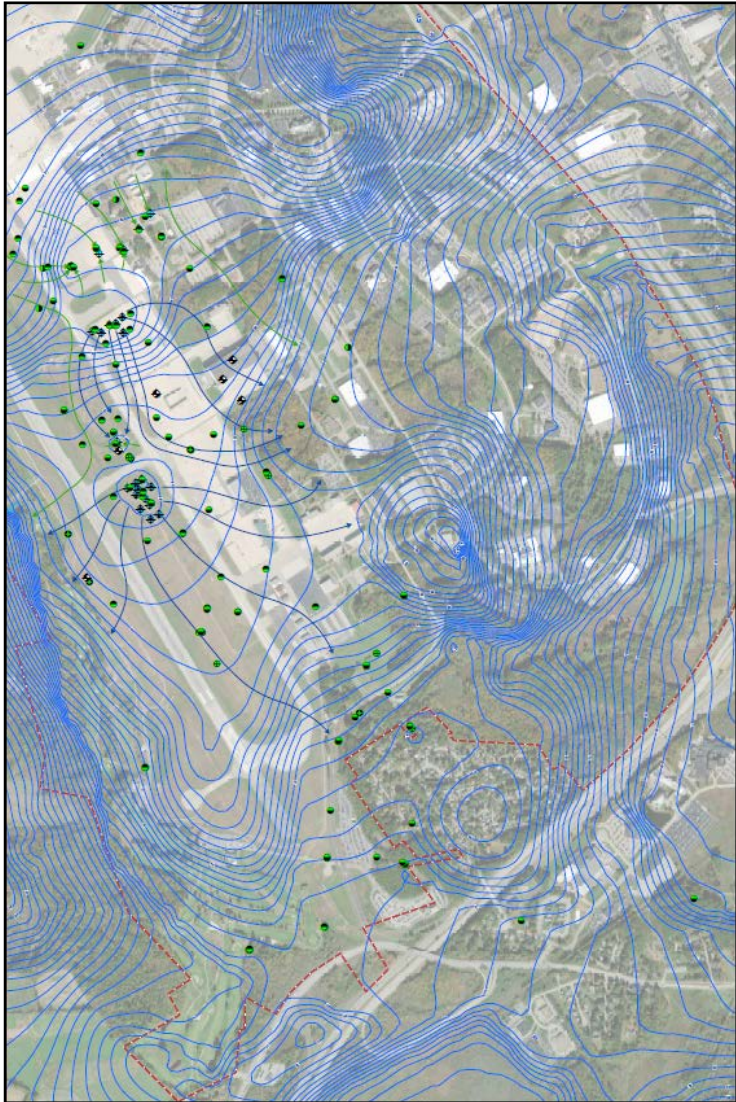
Site 8 Performance Monitoring – Treatment

Site 8 Mass Removal





AIMS Performance Monitoring – Hydraulic Control



- Monthly Water Level Gauging of 151 Locations
- Extraction and Injection Performance
- Covers ~1.5 square miles
- Monthly Groundwater Table Maps



AIMS Performance Monitoring - Sample Locations

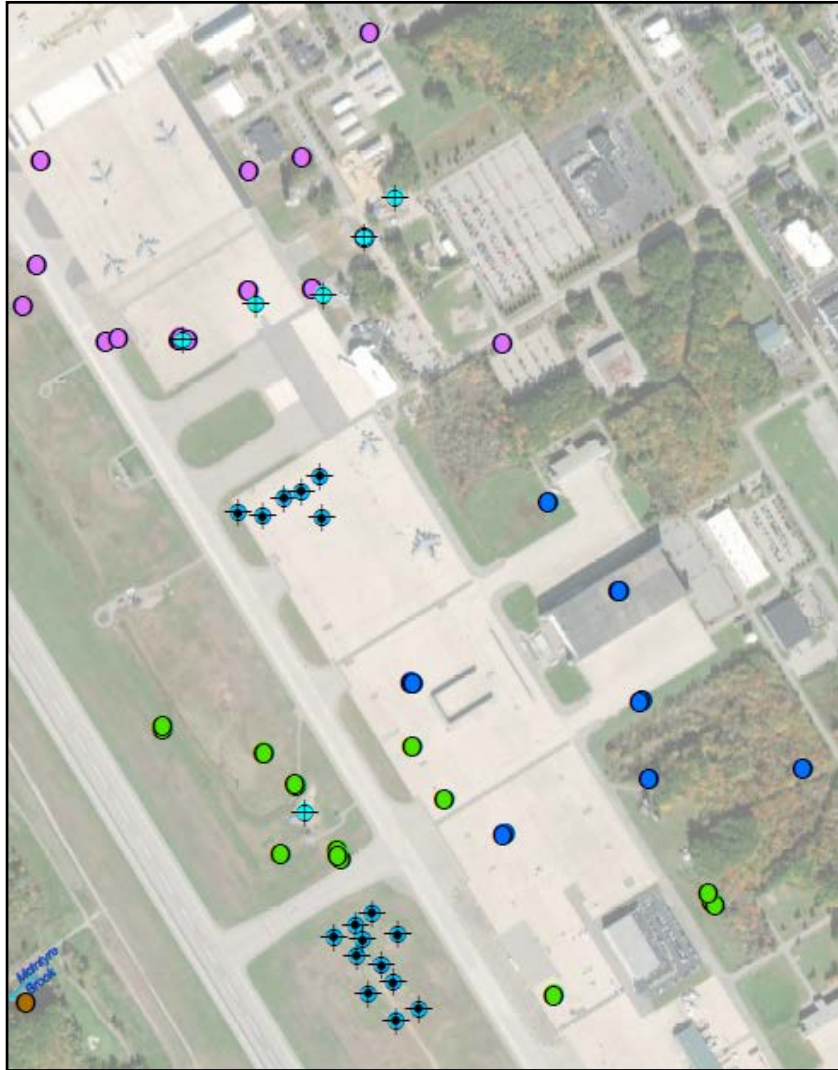
SYMBOL KEY

● PFAS, BTEX, VOCs

● PFAS, VOCs, Metals and Wet Chemistry

● PFAS, BTEX, Metals and Wet Chemistry

● PFAS and BTEX





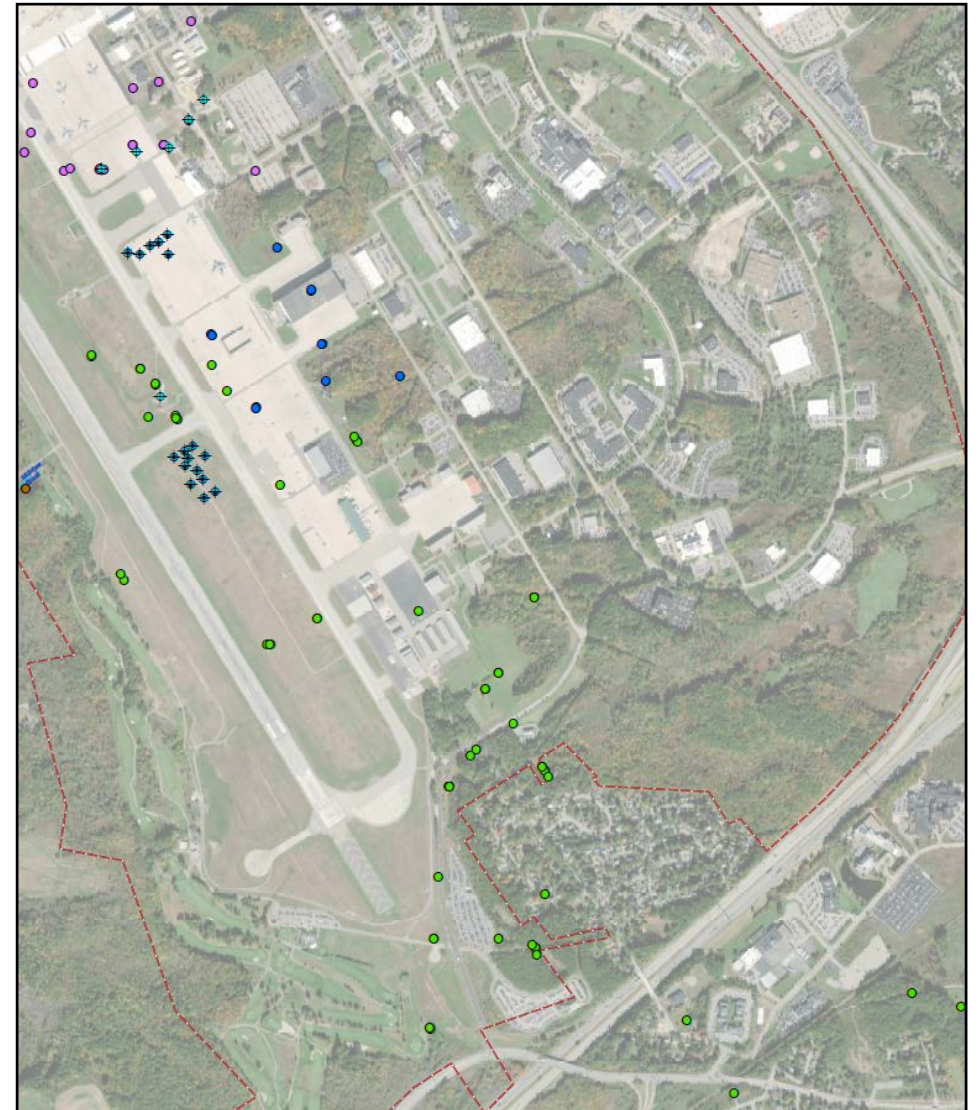
AIMS Performance Monitoring -Sampling Summary

Monthly: • 4 Municipal Supply Wells

Quarterly: • 17 Groundwater MW's
• 4 Municipal Supply Wells

Semi-annually: • 87 Groundwater MW's
• 4 Municipal Supply Wells
• 1 Stormwater Outfall

Annually: • 89 Groundwater MW's
• 4 Municipal Supply Wells
• 1 Stormwater Outfall

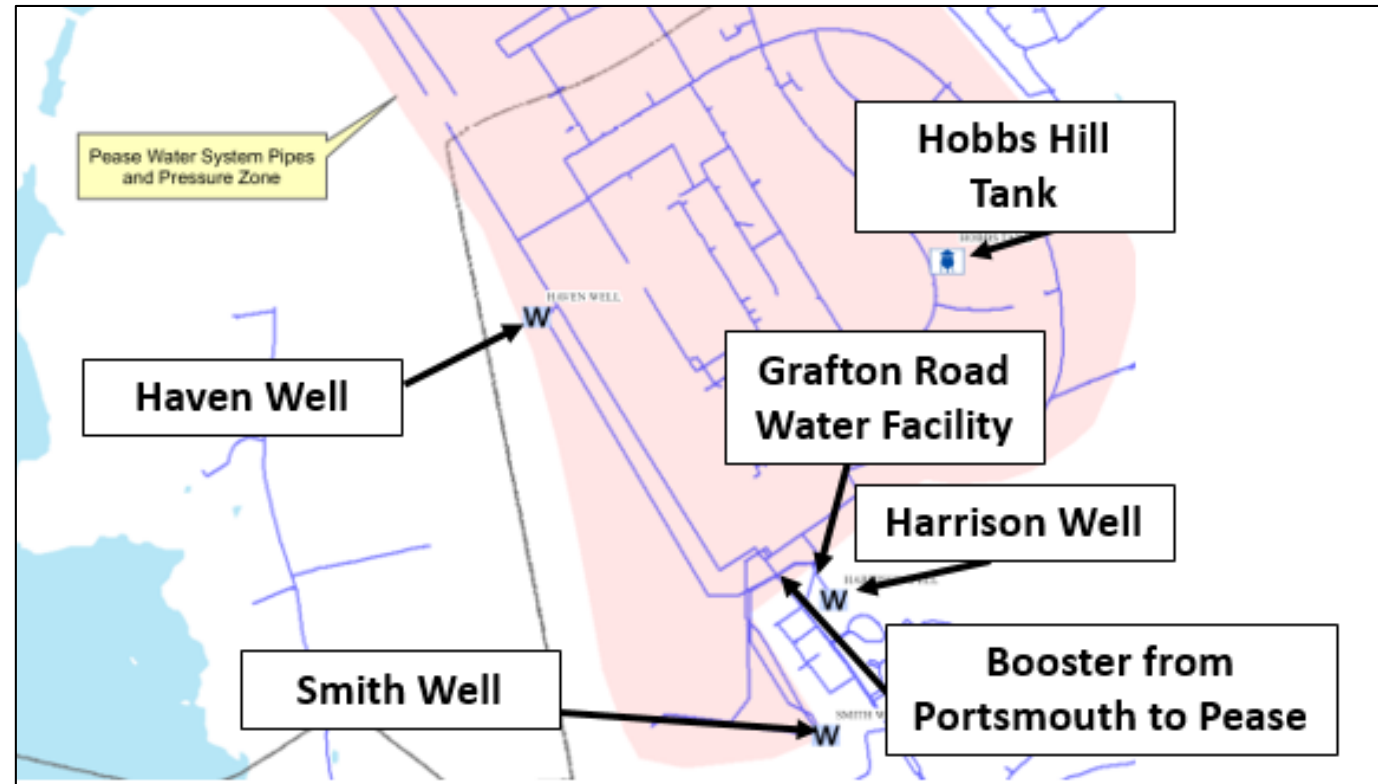


Pease Tradeport Water Treatment System Update



Pease Restoration Advisory Board
June 26, 2019

Current Pease Tradeport Grafton Road Water Facility



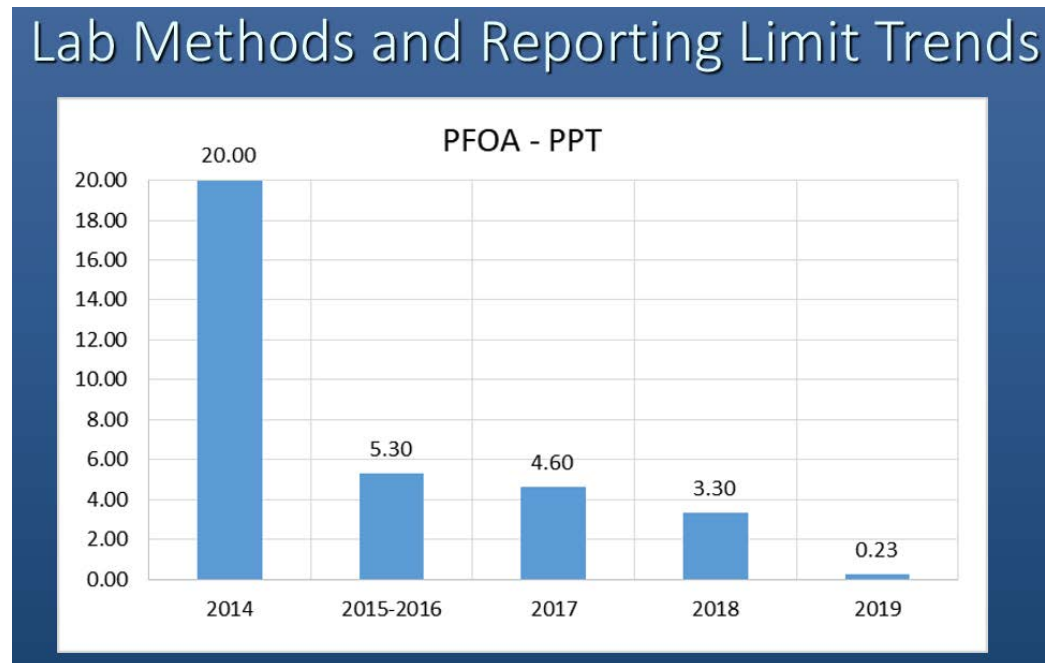
Filter Demonstration Project Status



- Activated carbon in both of the demonstration filters was changed out in November 2018
- Continue to filter water from Harrison and Smith Wells
- Continue to sample and monitor filter performance
- Updates and data posted on City Website

Non Target Analysis

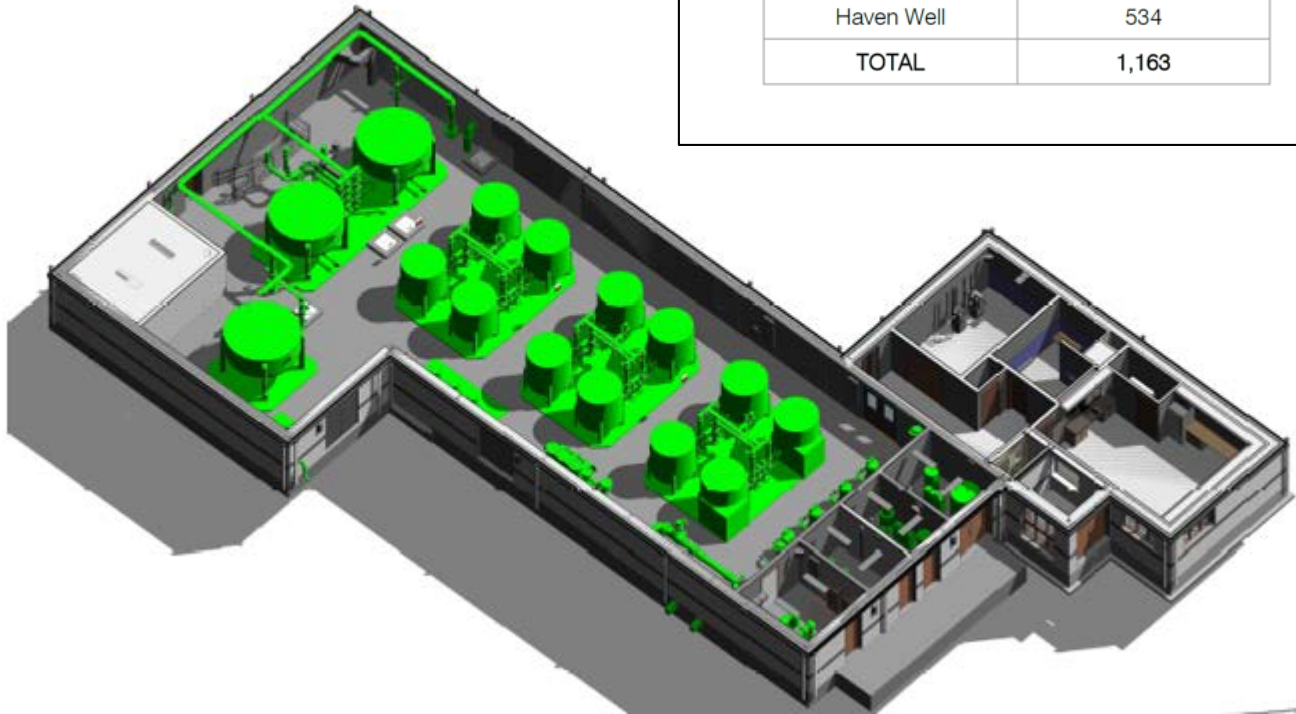
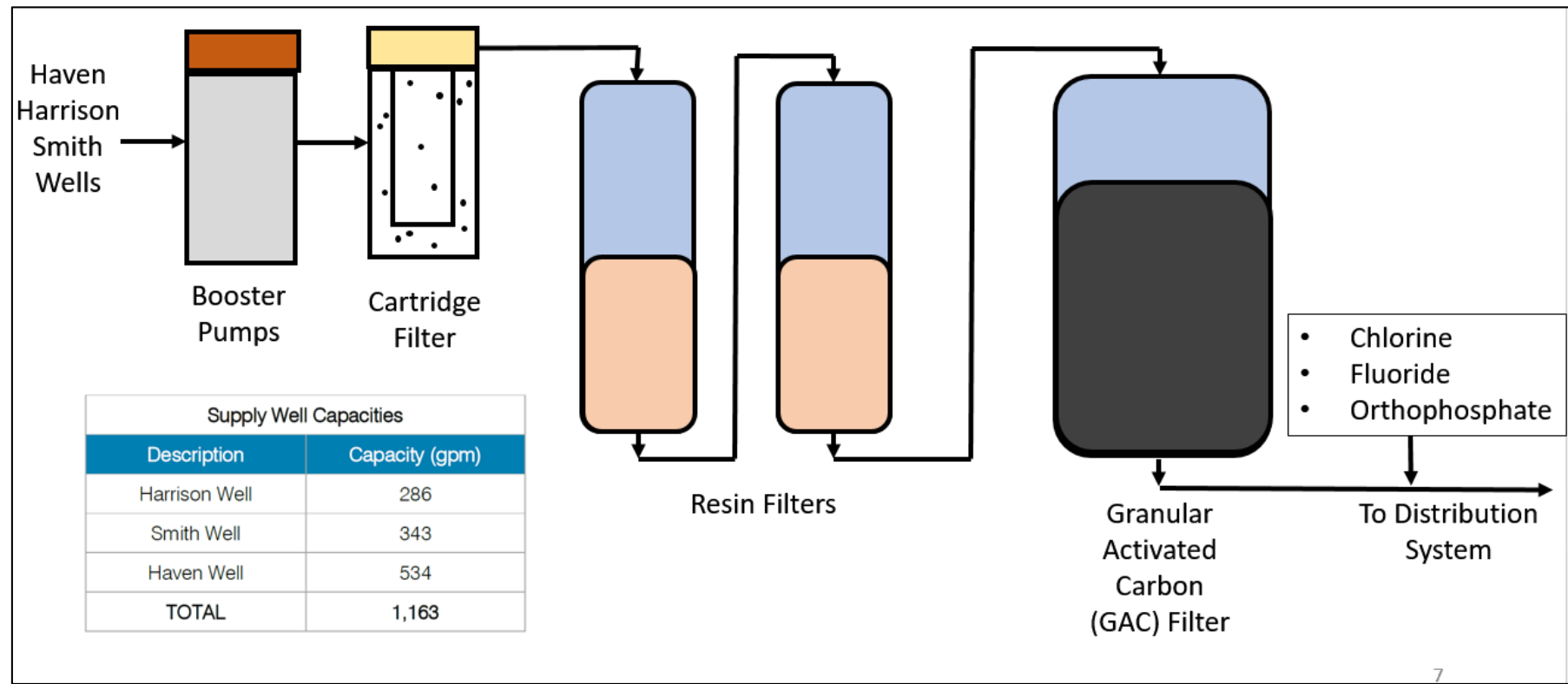
- Continue to work with Testing for Pease team (Colorado School of Mines and Northeastern Univ.) with sample collection – No results to report yet
- Concurrent sampling by City for analysis by Maxxam laboratories using lowest detection limits available.



Grafton Road Water Treatment Facility Construction



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																																



Project Status

- Demolition
 - Old aeration system
 - Western wall and roof
 - Top of aeration tanks & old tank slabs
- Temporary Wall Construction
- Water Main Replacement
 - With valves and new hydrant
- Pump Chamber
 - Excavation
 - Concrete slab and walls
- Sewer Force Main
 - Pumping manhole





Thank You



Al Pratt, P.E. – Water Supply Operations Manager
City of Portsmouth, New Hampshire
anpratt@cityofportsmouth.com



Goal: Provide opportunity for members of the public to comment.

Process:

- Public members fill out a comment card if you wish to speak.
- 3 min limit per speaker.
- Speakers will be notified when they have 30 seconds remaining & at the 3 min mark.



Open Discussion Time



- **Opportunity for RAB members to discuss additional topics**



RAB Meeting Recap



- **Meeting Recap**
- **Action Items**
- **Next Steps**
- **Next meeting – September 19th
(proposed)**



Adjournment



