

# Air Force Installation & Mission Support Center



## Wurtsmith Restoration Advisory Board Meeting

Steven Willis

AFCEC/CIBC

16 November 2022

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# Classification



**The classification of the brief is unclassified**

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# Agenda

- **Welcome, introductions, and ground rules**
- **Stakeholder and RAB member updates**
- **RAB business update**
- **RI update**
- **IRAs update**
- **New actions**
- **RAB member questions**
- **Public comment**
- **Conclusion – RAB Co-Chairs’ closing remarks**

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# Restoration Advisory Board Rules

<b>01</b>	<b>Respect one another and maintain an atmosphere of open dialogue and exchange of ideas</b>
<b>02</b>	<b>Use our time together efficiently, wisely and respectfully</b>
<b>03</b>	<b>Speak clearly and succinctly one person at a time; avoid interrupting others</b>
<b>04</b>	<b>Listen and remain open to different points of view</b>
<b>05</b>	<b>Maintain a propensity for progress: prepare, discuss, document and move forward</b>
<b>06</b>	<b>Share information early, openly and honestly</b>
<b>07</b>	<b>Accurately and objectively relay to others the discussions that occur at board meetings</b>

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# Checklist for Virtual Participation

- ✓ If you prefer to join audio by phone, please dial the call in number and enter the access code to enter the meeting
  - ✓ Enter \*9 to raise and lower your hand
- ✓ RAB Members – mute when not speaking and turn on your video camera if you are able
- ✓ Use “raise hand” to raise your hand
- ✓ To enable closed captions for language support, click “live transcript” then “show subtitle”
- ✓ Use Q&A tab for questions
- ✓ Contact the RAB Coordinator with access questions [rabcoordinator@aerostar.net](mailto:rabcoordinator@aerostar.net)

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# Acronyms

<b>AAA</b>	<b>Alert Aircraft Area</b>	<b>ROD</b>	<b>record of decision</b>
<b>AFFF</b>	<b>aqueous film forming foam</b>	<b>SI</b>	<b>site inspection</b>
<b>CERCLA</b>	<b>Comprehensive Environmental Response, Compensation, and Liability Act</b>	<b>TCRA</b>	<b>time-critical removal action</b>
		<b>UFP-QAPP</b>	<b>Uniform Federal Policy-Quality Assurance Project Plan</b>
		<b>VAS</b>	<b>vertical aquifer sampling</b>
<b>CSM</b>	<b>conceptual site model</b>		
<b>CTS</b>	<b>Central Treatment System</b>		
<b>ESI</b>	<b>expanded site inspection</b>		
<b>FS</b>	<b>feasibility study</b>		
<b>FYR</b>	<b>five-year review</b>		
<b>GAC</b>	<b>granular activated carbon</b>		
<b>gpm</b>	<b>gallons per minute</b>		
<b>HPT</b>	<b>hydraulic profiling tool</b>		
<b>IRA</b>	<b>interim remedial action</b>		
<b>LTM</b>	<b>long-term management</b>		
<b>MPTS</b>	<b>Mission Street Pump and Treat System</b>		
<b>NTCRA</b>	<b>non time-critical removal action</b>		
<b>PA</b>	<b>preliminary assessment</b>		
<b>PP</b>	<b>proposed plan</b>		
<b>RAB</b>	<b>restoration advisory board</b>		
<b>RAO</b>	<b>remedial action objective</b>		
<b>RD/RA</b>	<b>remedial design/remedial action</b>		
<b>RI</b>	<b>remedial investigation</b>		

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# Site Map



 Former Installation Boundary

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# Stakeholder Updates

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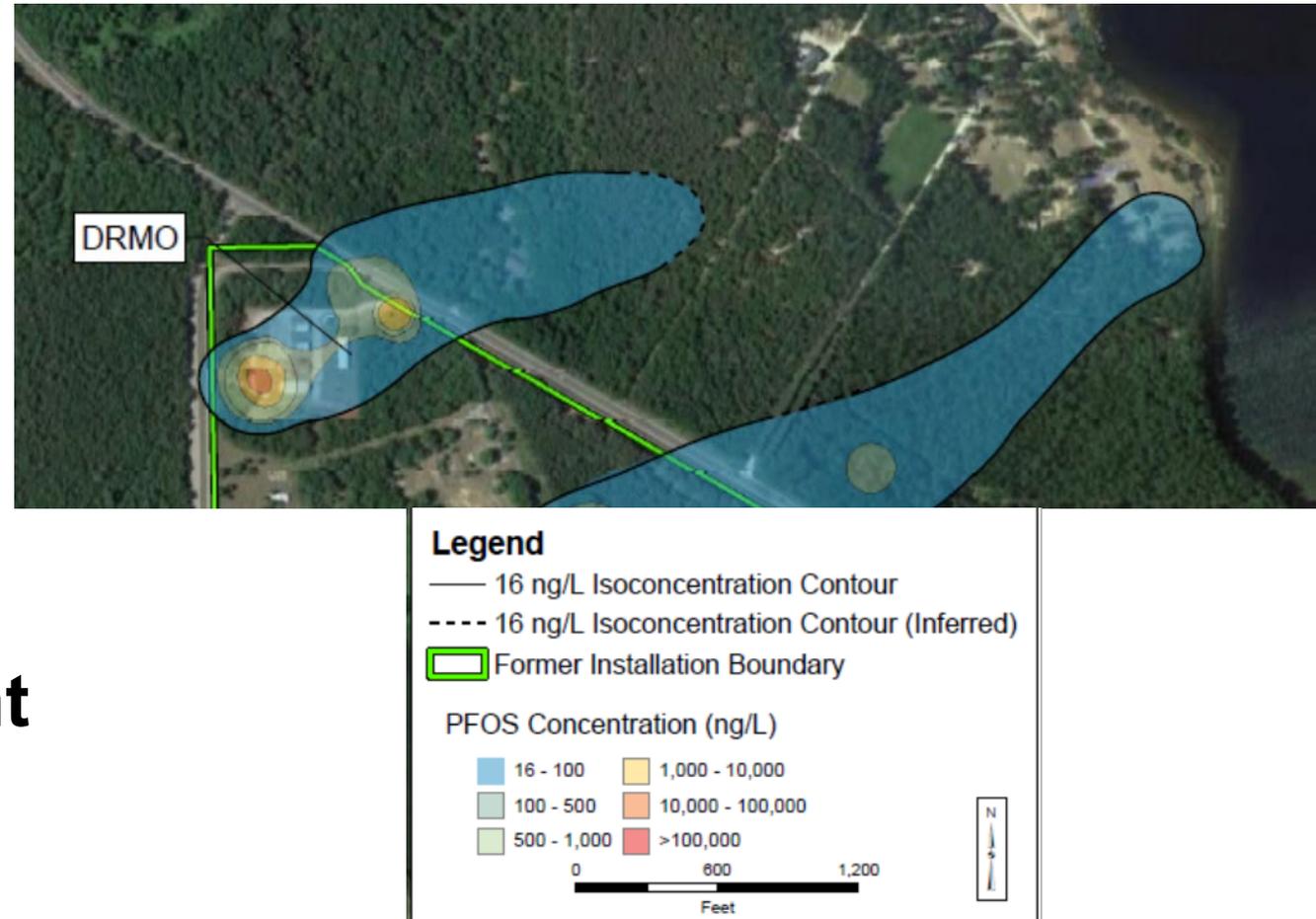
# ***Air Force Update***

- **Air Force hosted technical workshop 26 and 27 October 2022**
  - **Open to all stakeholders and the general public**
  - **Included tour of recently completed IRAs and two technical sessions**
- **Future IRAs requested by RAB: DRMO, Landfill-30/31, Wastewater Lagoon & Seepage Beds, and Three Pipes Ditch**
- **IRA implemented as interim measure, not final remedy**
  - **May be component of final remedy**
- **Complete RI, FS, PP, and ROD to select final remedy**
- **Harrisville Tank Farm**

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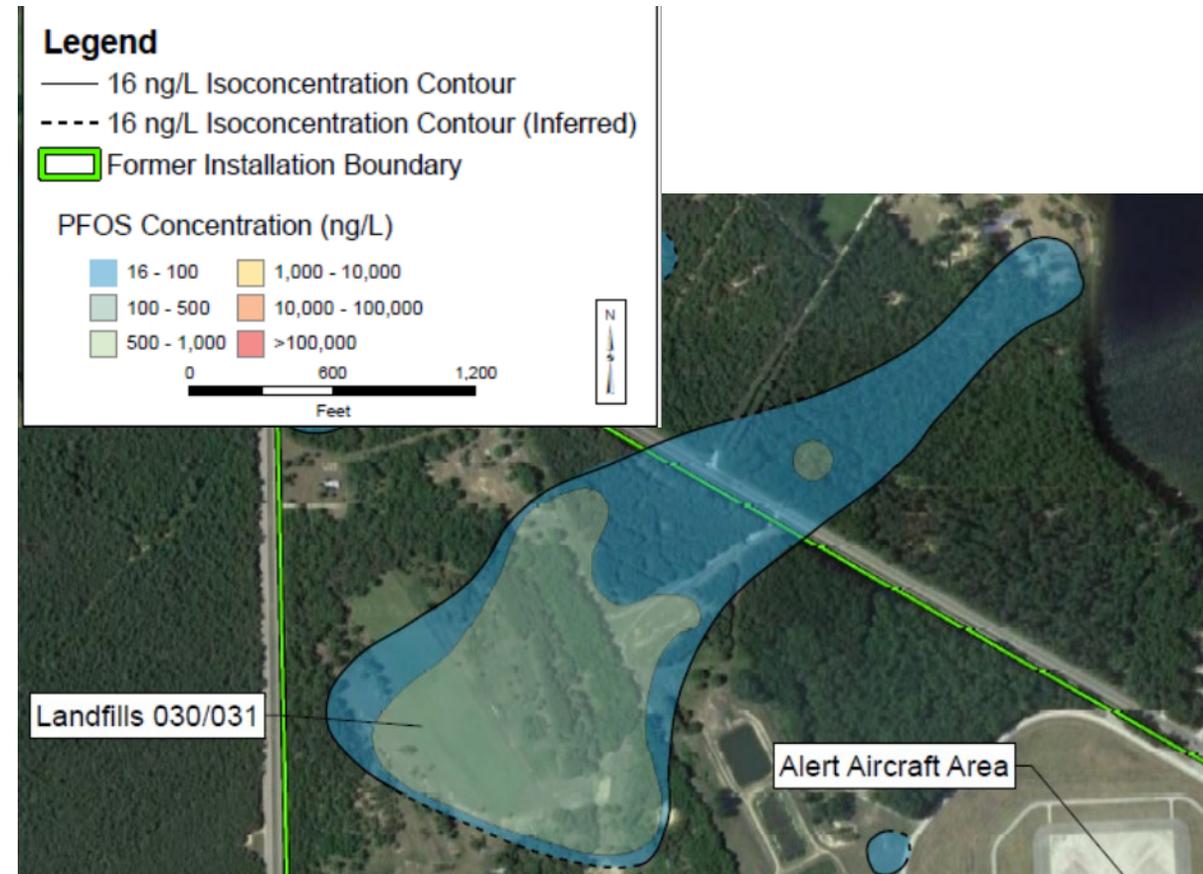
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- Addressing data gaps and evaluating site data
- Two small hot spots
- Current data indicates groundwater plume not impacting Van Etten Lake
- Current data does not warrant IRA



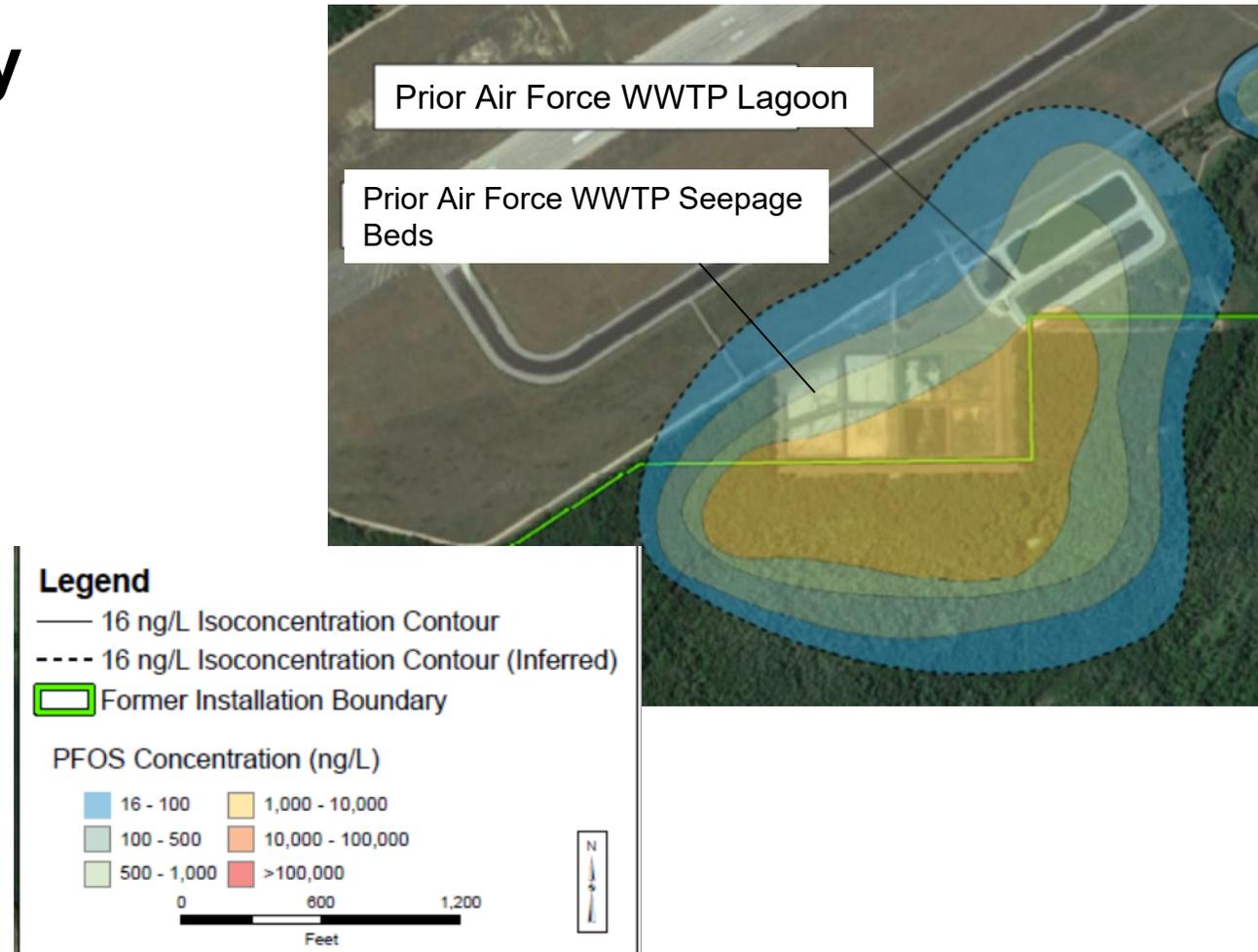
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- Groundwater plume has relatively low concentrations
- Final remedy evaluated during feasibility study
- Does not warrant IRA



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- Area was visually evaluated by Air Force technical experts in Oct 2022
- RI data gaps must be filled
- IRA for seepage beds will be evaluated following additional data collection



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# *Harrisville Tank Farm*

- **April 1961 – DOD contracted with American Fuel Company for petroleum storage and terminal facilities to service Wurtsmith AFB.**
  - **Contract included DOD purchase option**
- **1961 – Detroit and Mackinaw Railway Company lays pipeline in AFB easement and American Fuel Company constructs terminal**
- **1967 – Lakeshore Terminal and Pipeline Company purchased terminal facilities from American Fuel Company**

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# Harrisville Tank Farm



- **1977 – DOD notified Lakeshore Terminal and Pipeline Company of intent to purchase**
  - Lakeshore declined
  - DOD filed lawsuit
  - Court ruled in favor of Lakeshore
  - DOD appealed but later dismissed appeal
- **USACE evaluated site for cleanup eligibility under Formerly Used Defense Site program**
  - 1995 memo documents no DoD ownership, lease or control of the property so ineligible

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# Stakeholder Updates



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# RAB

# Business

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# ***RAB Business***



- **Community Co-Chair election**
- **Action item review**
- **Action item list distributed to RAB prior to meeting**
  - **Closed action items since last RAB meeting: 75, 95, and 97**
  - **New action items since last RAB meeting: 101, 102, 103, and 104**
  - **Ongoing action items: 72, 87, 88, 92, 96, 98, 99, and 100**

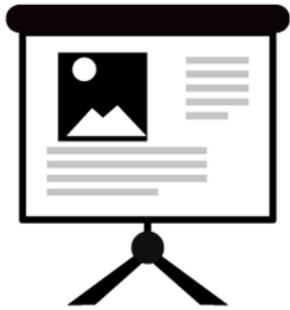
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# Presentation:

## Remedial Investigation and Interim Remedial Action Update



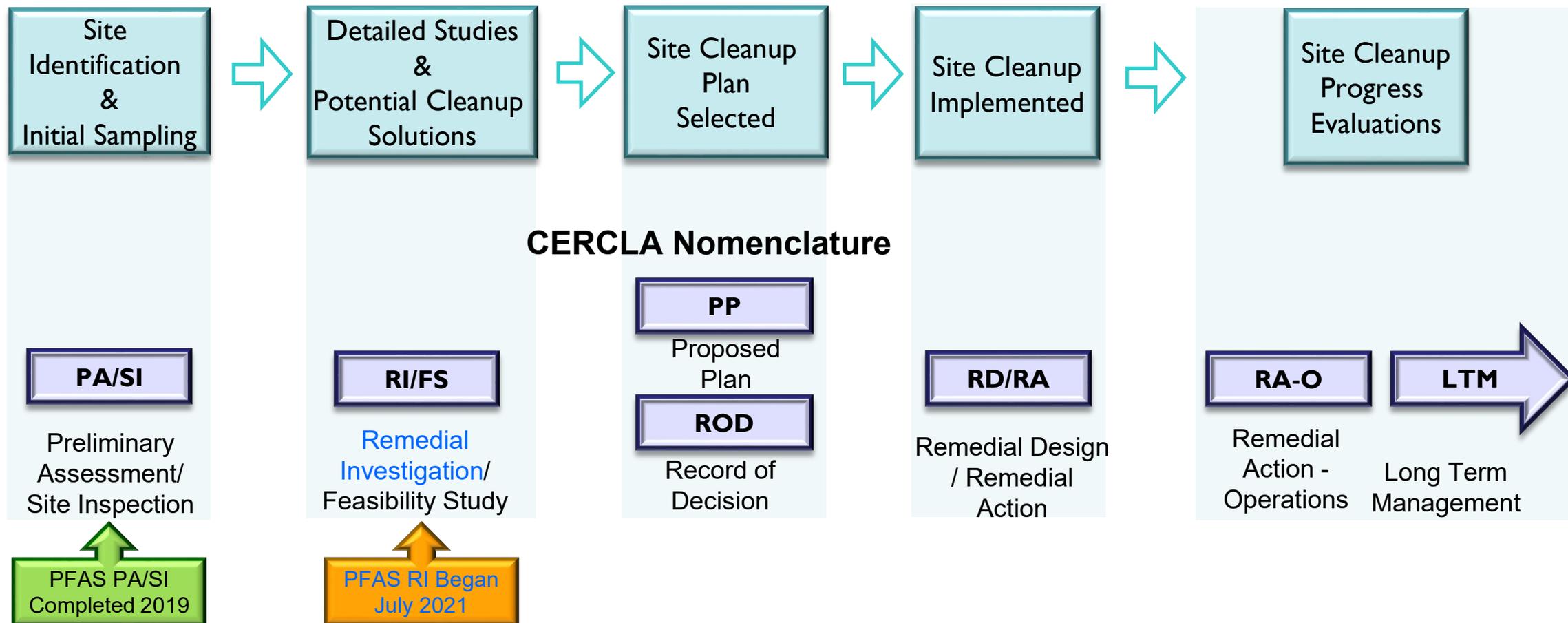
Paula Bond  
Aerostar SES LLC  
Project Manager

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# CERCLA Overview



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# PFAS RI Progress



-  Complete
-  On-going
-  To be Started

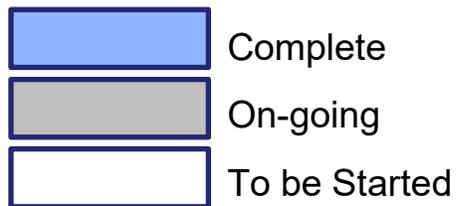
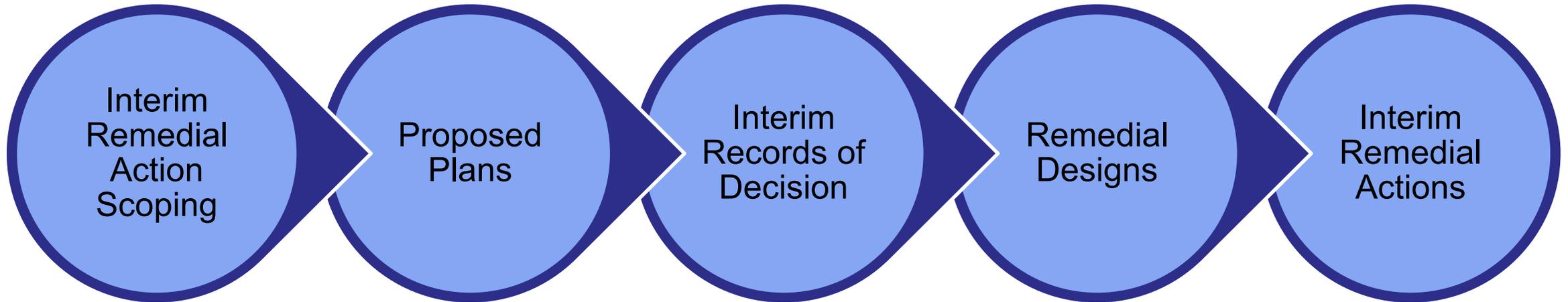
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# PFAS IRAs Progress

## FT002 at Clark's Marsh and Van Etten Lake at Ken Ratliff Memorial Park



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# PFAS RI Update



- **No new RI data has been collected since the last RAB meeting**
- **The data collected in 2021 and 2022 were incorporated into the CSM and presented to the public on 27 October 2022**
- **Investigation will continue into next year and include areas east of Van Etten Lake attributable to former Wurtsmith AFB**
- **A SPP meeting scheduled between the Air Force and EGLE to review the RI data and develop the field investigation for 2023**
- **Data collected to date has not materially changed CSM**
- **The risk assessment begins when RI data collection is complete**

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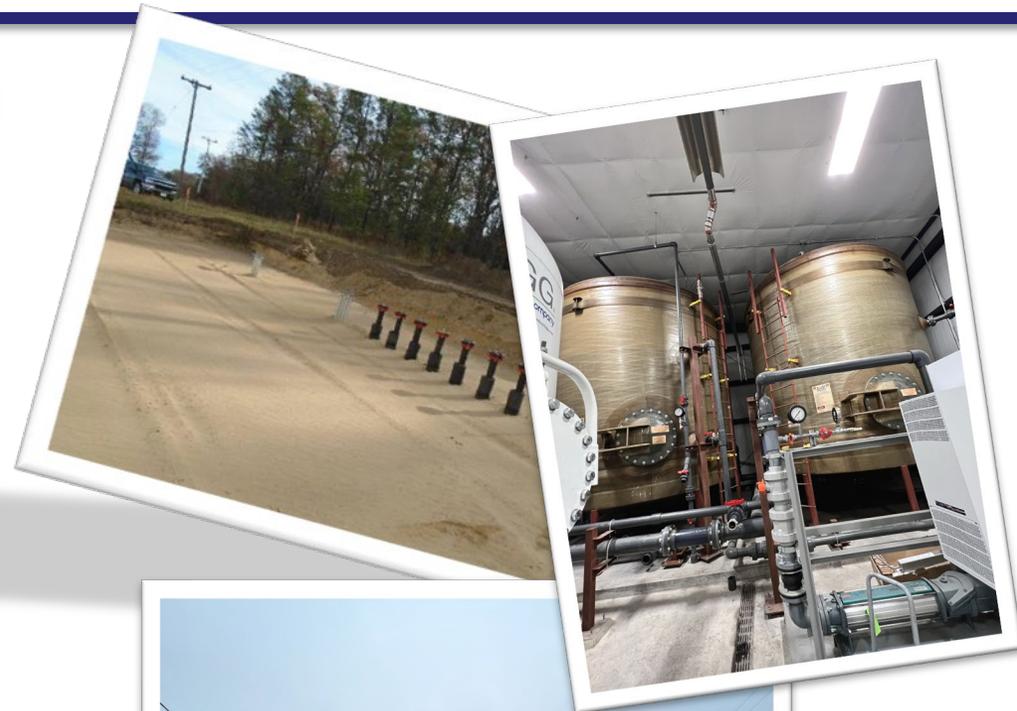
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# FT002 at Clark's Marsh IRA Update



- FT002 initial system testing began on 8 August 2022
- System began continuous operation on 12 August 2022
- A public tour of the treatment system was conducted on 26 October 2022
- The system is now treating approximately 387 gpm or 557,280 gallons per day.



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# Van Etten Lake at Ken Ratliff Memorial Park IRA Update



- Initial system testing began on 3 October
- Treatment system began continuous operation on 17 October 2022
- The new system is treating approximately 490 gpm or 705,600 gallons per day.



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# New Actions



## ■ New IRA and Pilot Study

- Contract award: 28 September 2022
- Period of performance: 3 years
- Primary Tasks
  - IRA at Alert Aircraft Area
  - Pilot Study at Three Pipes Ditch



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# New IRA Features



## ■ Purpose

- To hydraulically control the highest concentrations of PFOS/PFOA migrating towards Van Etten Lake using pump and treat with GAC
- **Initial treatment train capacity of up to 500 gpm**
- **Building design will allow for the future addition of another 500 gpm treatment train**
- **Treated water returned to aquifer via infiltration trenches like FT002 at Clark's Marsh**
  - Pending discussions with EGLE

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# Three Pipes Ditch Pilot Study



## ■ Purpose

- To evaluate effectiveness of organoclay to sorb PFAS in surface water and groundwater
- **Conceptually the organoclay sorbent technology effectiveness will be evaluated in two approaches**
  - Sorbent mats to evaluate PFAS removal in groundwater discharging to Three Pipes Ditch
  - A flow-through barrier to evaluate PFAS removal in a flowing surface water within the ditch

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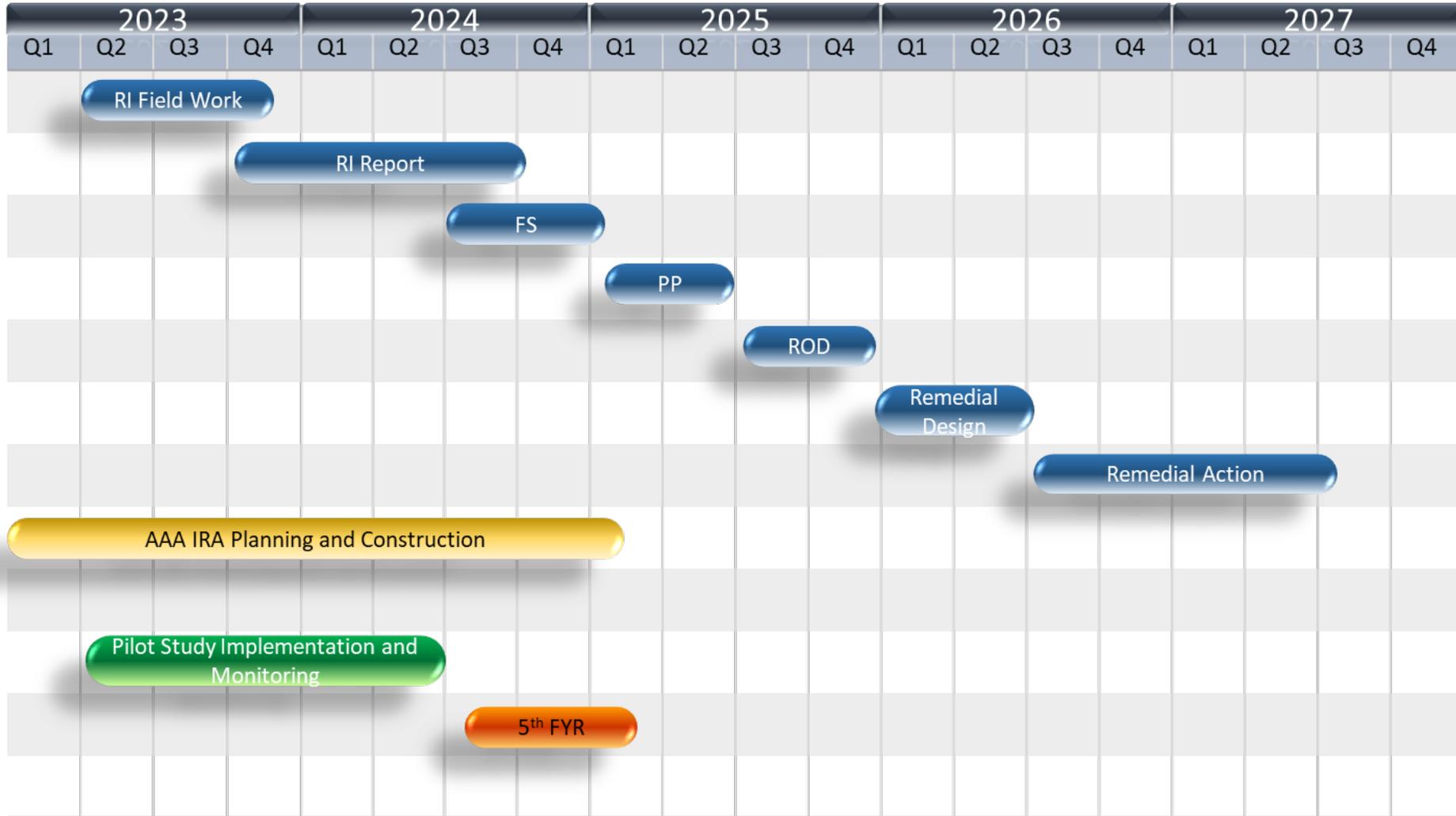
# 1-Year Outlook



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# Five-Year Outlook



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# Health Resources

- **Department of Veterans Affairs (VA)**
  - <https://www.va.gov/>
- **Agency for Toxic Substances and Disease Registry (ATSDR)**
  - <https://www.atsdr.cdc.gov/>
- **Michigan Department of Health and Human Services (MDHHS)**
  - <https://www.michigan.gov/mdhhs>

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# RAB

# Member

# Questions

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# Public Comments

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# *Public Comment Period*

## **Guidelines**

- 01** | **Indicate you want to make a comment (follow guidance)**
- 02** | **Wait until the facilitator states you can start your comment**
- 03** | **Three minute time limit**
- 04** | **RAB members will confer after your comment to see if a follow-up action is needed**

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# Conclusion and Adjournment

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