

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

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

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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

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Acronyms



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

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Site Map



Former Installation Boundary

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Stakeholder Updates

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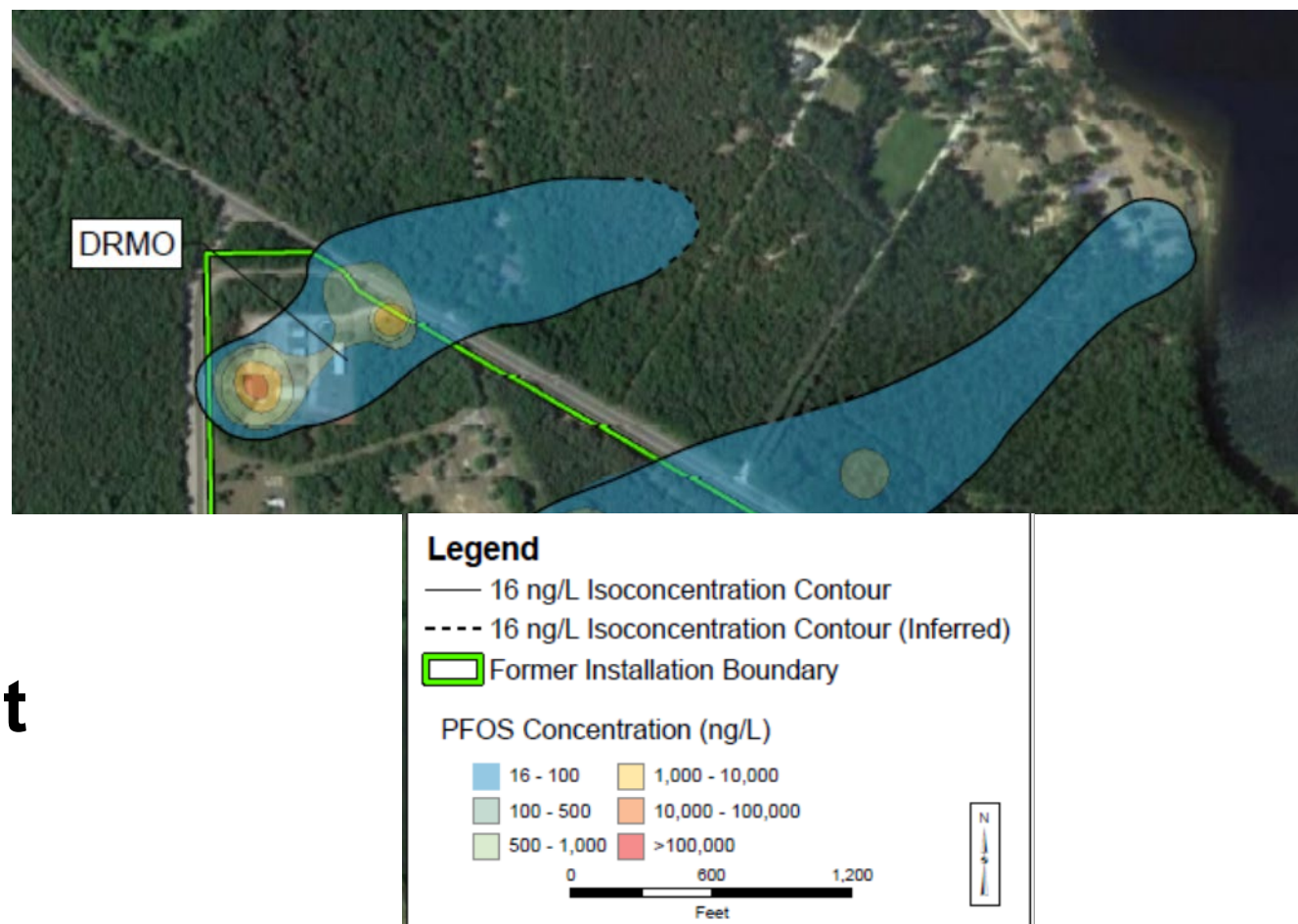
Air Force Update

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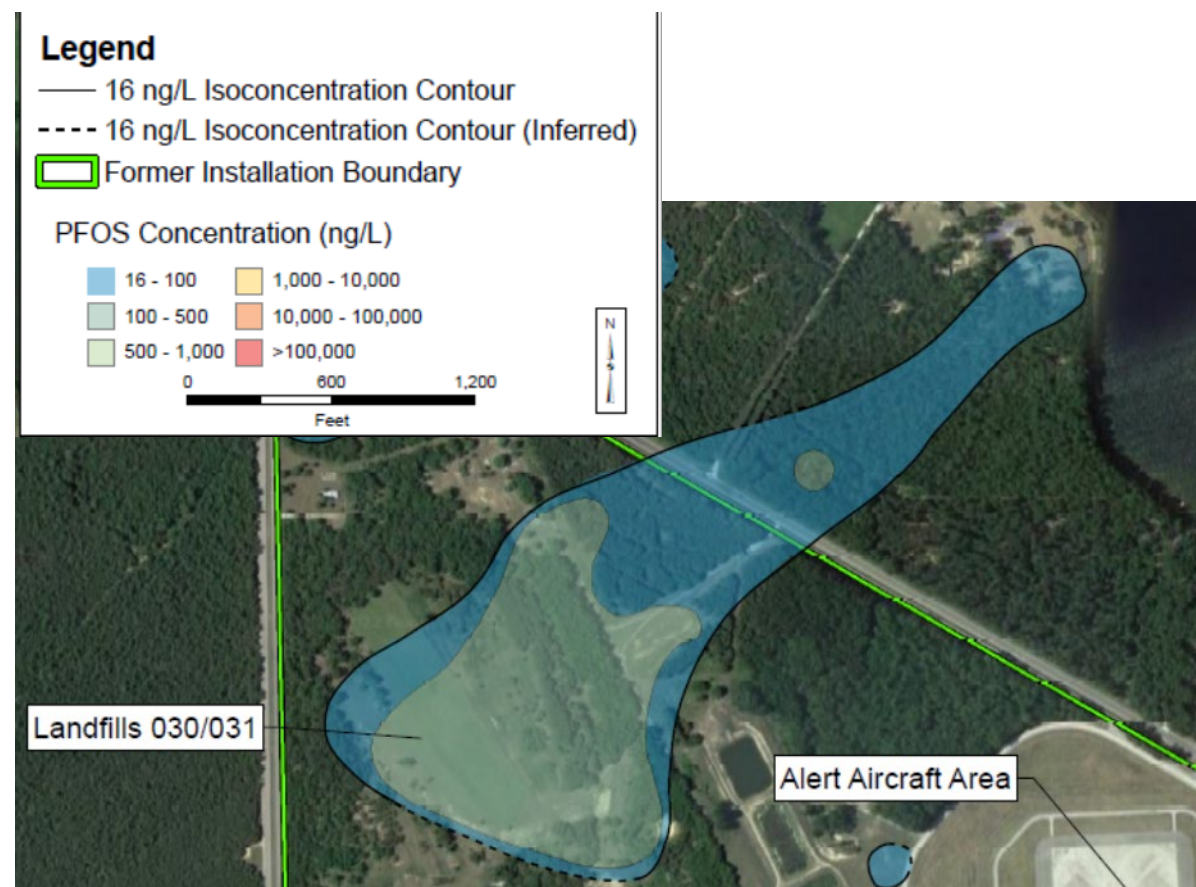
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- Addressing data gaps and evaluating site data
- Two small hot spots
- Current data indicates groundwater plume not impacting Van Etten Lake
- Current data does not warrant IRA



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



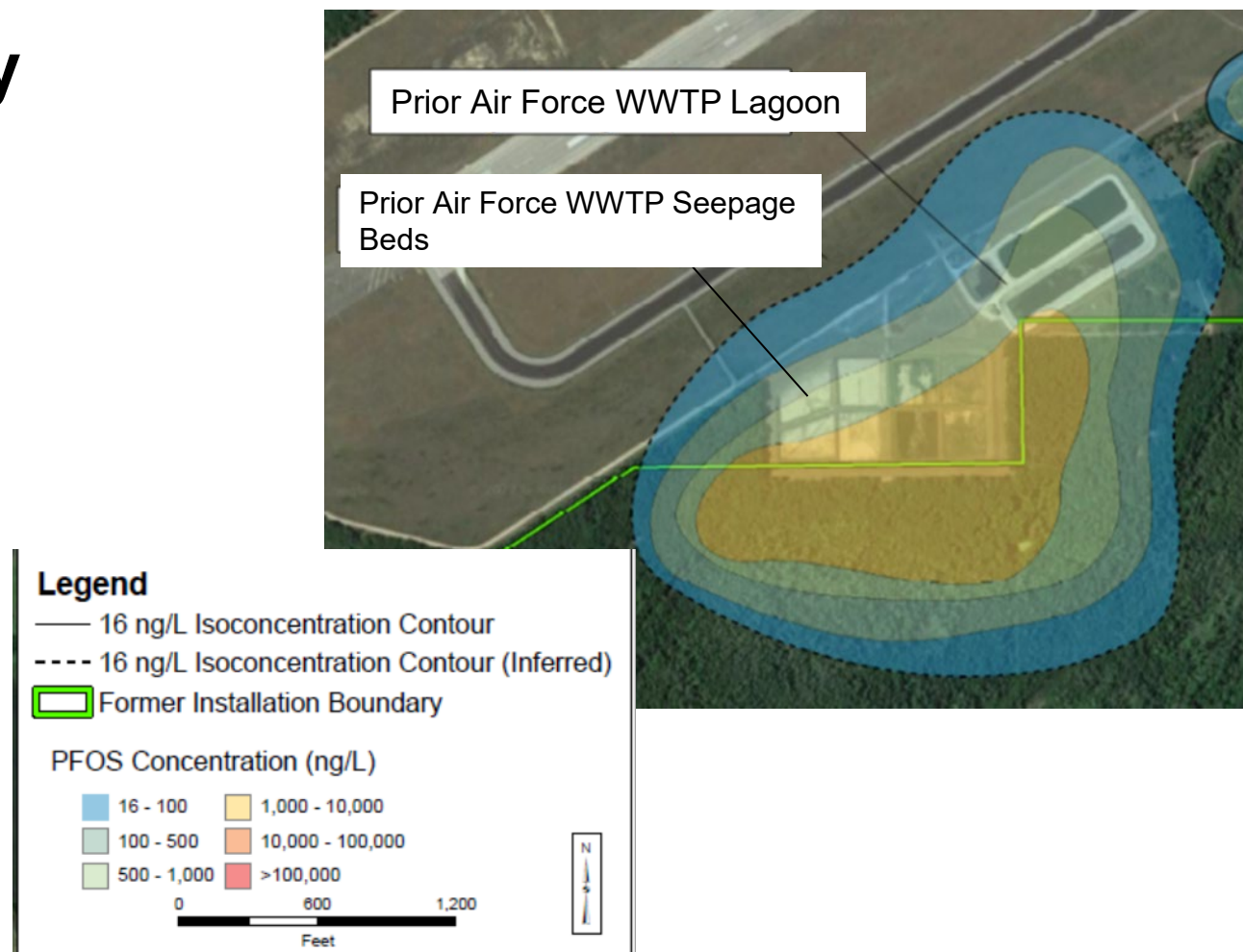
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Wastewater Lagoon & Seepage Beds



- 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



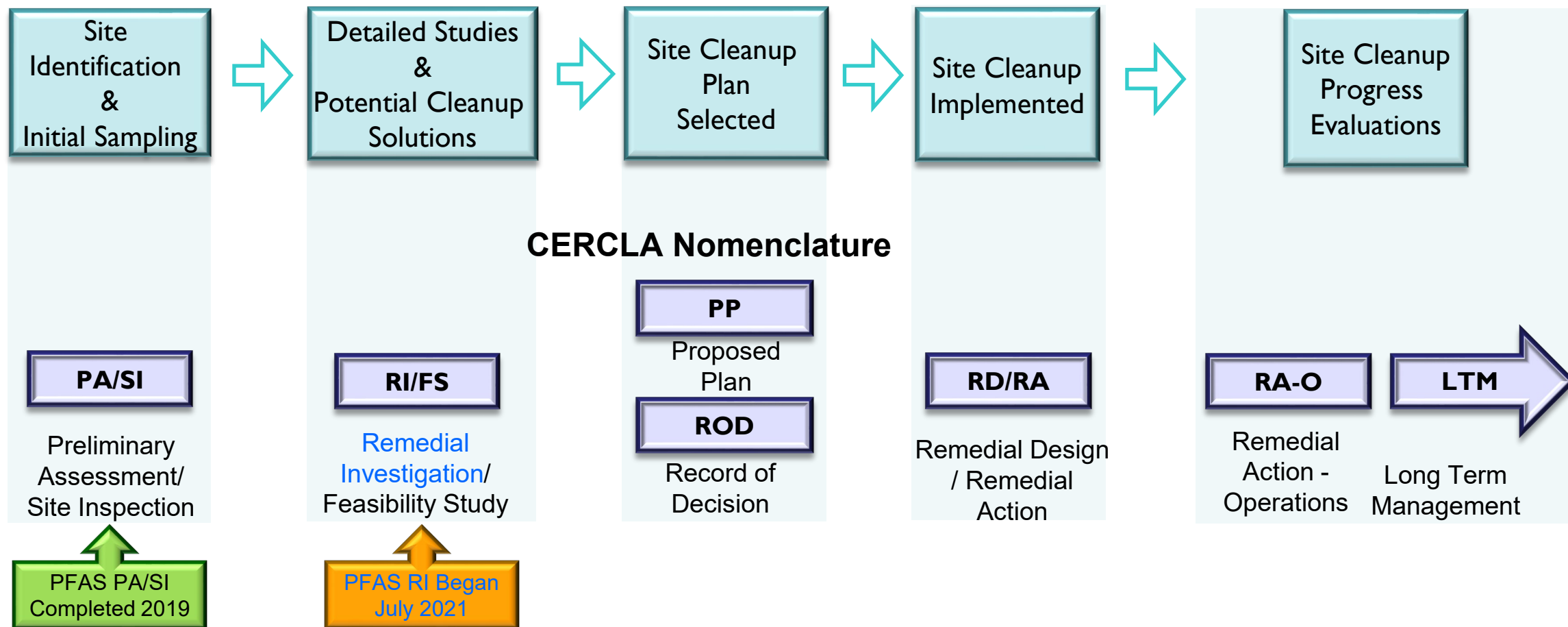
Paula Bond
Aerostar SES LLC
Project Manager

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CERCLA Overview

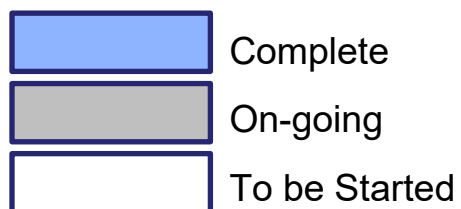


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PFAS RI Progress



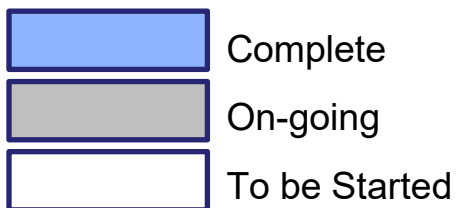
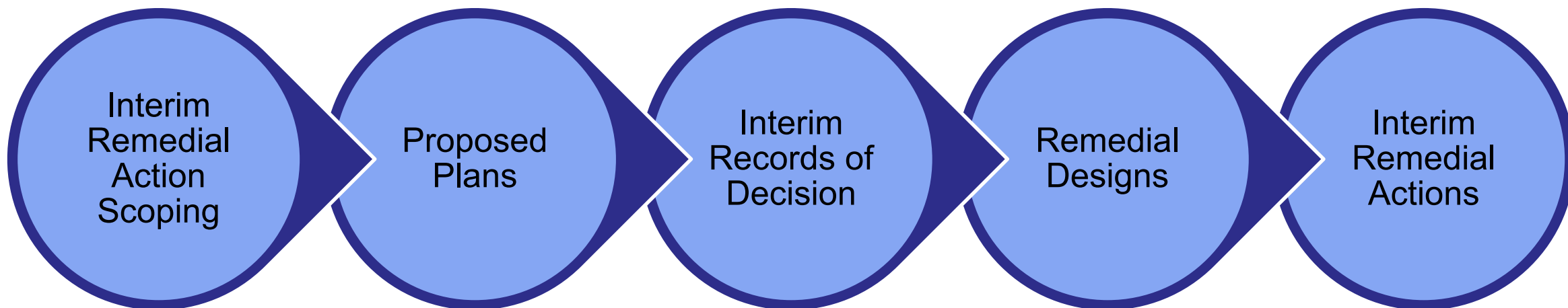
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PFAS IRAs Progress

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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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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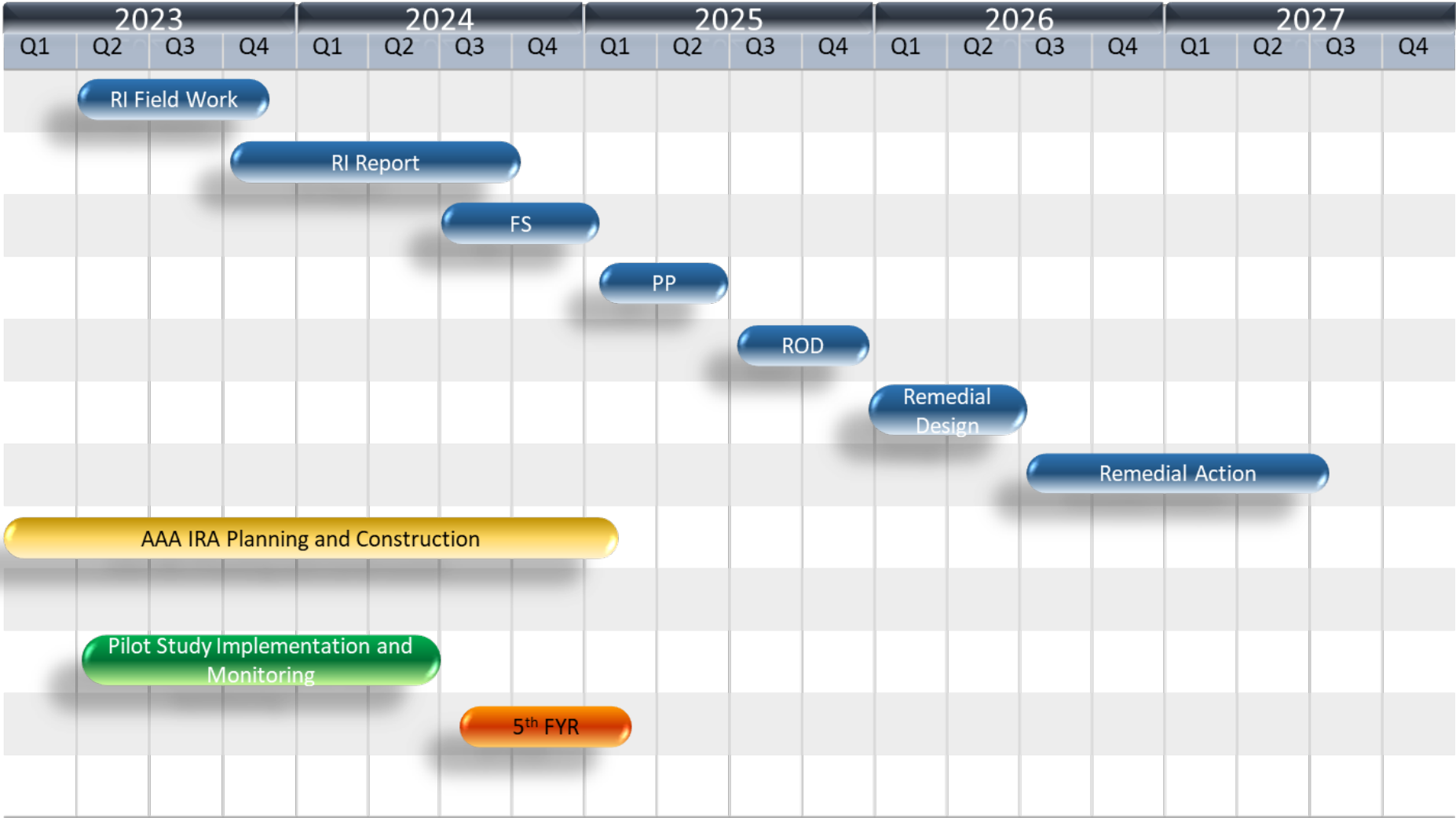
1-Year Outlook



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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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