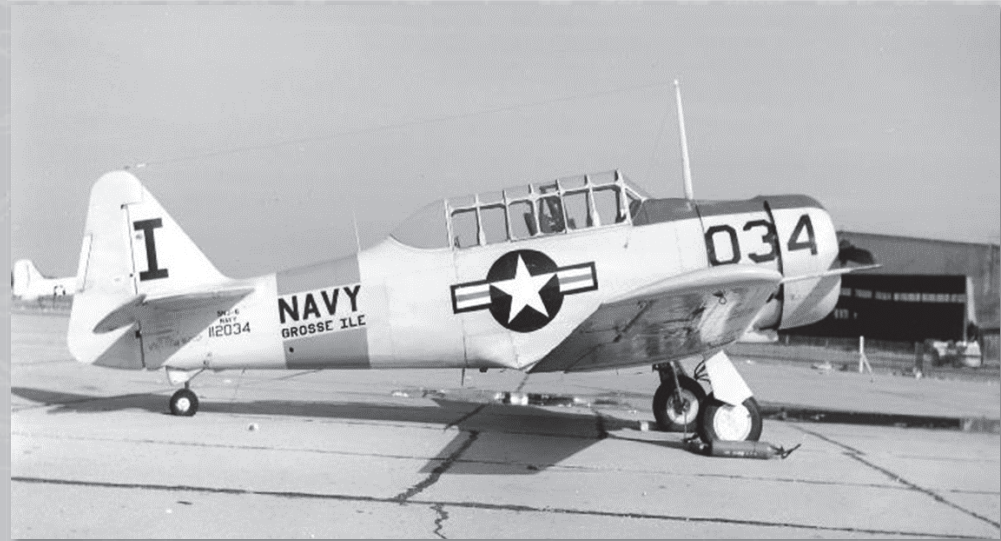


# PART 2: 2021 INFORMATIONAL PUBLIC MEETING, FORMER NAVAL AIR STATION GROSSE ILE, MICHIGAN

U.S. Army Corps of Engineers  
Louisville District  
Date: November 30, 2021



US Army Corps  
of Engineers®



# WELCOME



## Introduction of Project Team

- **U.S. Army Corps of Engineers (USACE)—Louisville District Office**
  - Clayton Hayes—Project Manager
  - Robin Sternberg, PhD—Technical Manager
  - Nathan Alexander—Technical Manager
  - Charles Delano—Public Affairs Specialist
  - Jennifer Guffey—Tribal liaison
  - Mette Bahde—Office of Counsel
  - Angela Schmidt—Project Risk Assessor
  - Brandon Steele—Project Chemist
  - Stephanie Stratton—Project Geologist



# WELCOME



## Introduction of Project Team (Continued)

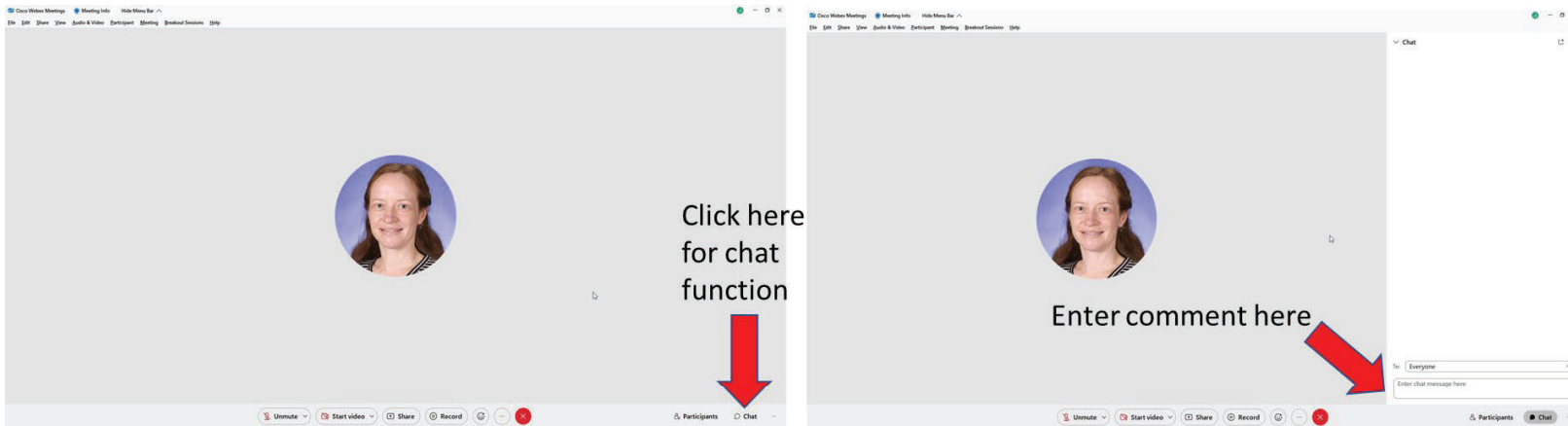
- **Contractor—Jacobs Engineering**
  - Kimberly Amley—Project Manager
  - Tom Hutchinson—Senior Scientist
  - Megan Ruiz—Meeting Facilitator
- **Contractor—ATI-CTI Joint Venture**
  - David Nelson—Program Manager
  - Drew Corson—Project Manager
- **Michigan Department of Environment, Great Lakes and Energy (EGLE)**
  - William Harmon—Project Manager
- **Grosse Ile Municipal Airport**
  - Derek Thiel—Grosse Ile Township Manager



# PARTICIPATION INSTRUCTIONS



- **Public Meeting**
  - USACE will share the presentation which will provide an update on ongoing remedial investigation activities at other AOCs across the former Naval Air Station Grosse Ile (NASGI)
  - Participants will be able to ask questions and provide comments on the proposed plans using the chat function or at the end of the presentation
  - USACE will respond to questions and comments at the end of the meeting





# DOCUMENTATION



- **Documentation**
  - The meeting will be recorded
  - A transcript of the meeting will be provided in the Administrative Record at <http://www.lrl.usace.army.mil/GrosselleNavalAirStation/> and the administrative record located at the Bacon Memorial District Library in Wyandotte, MI



# AGENDA

- Purpose
- Regulatory Framework
- Status of Areas-of-Concern
- Community Involvement
- Questions





## PURPOSE



- The purpose of this annual informational meeting is to provide the public with:
  - an overview of past, current, and planned environmental work at the Former NASGI, and
  - an opportunity for questions.



# FORMERLY USED DEFENSE SITES PROGRAM

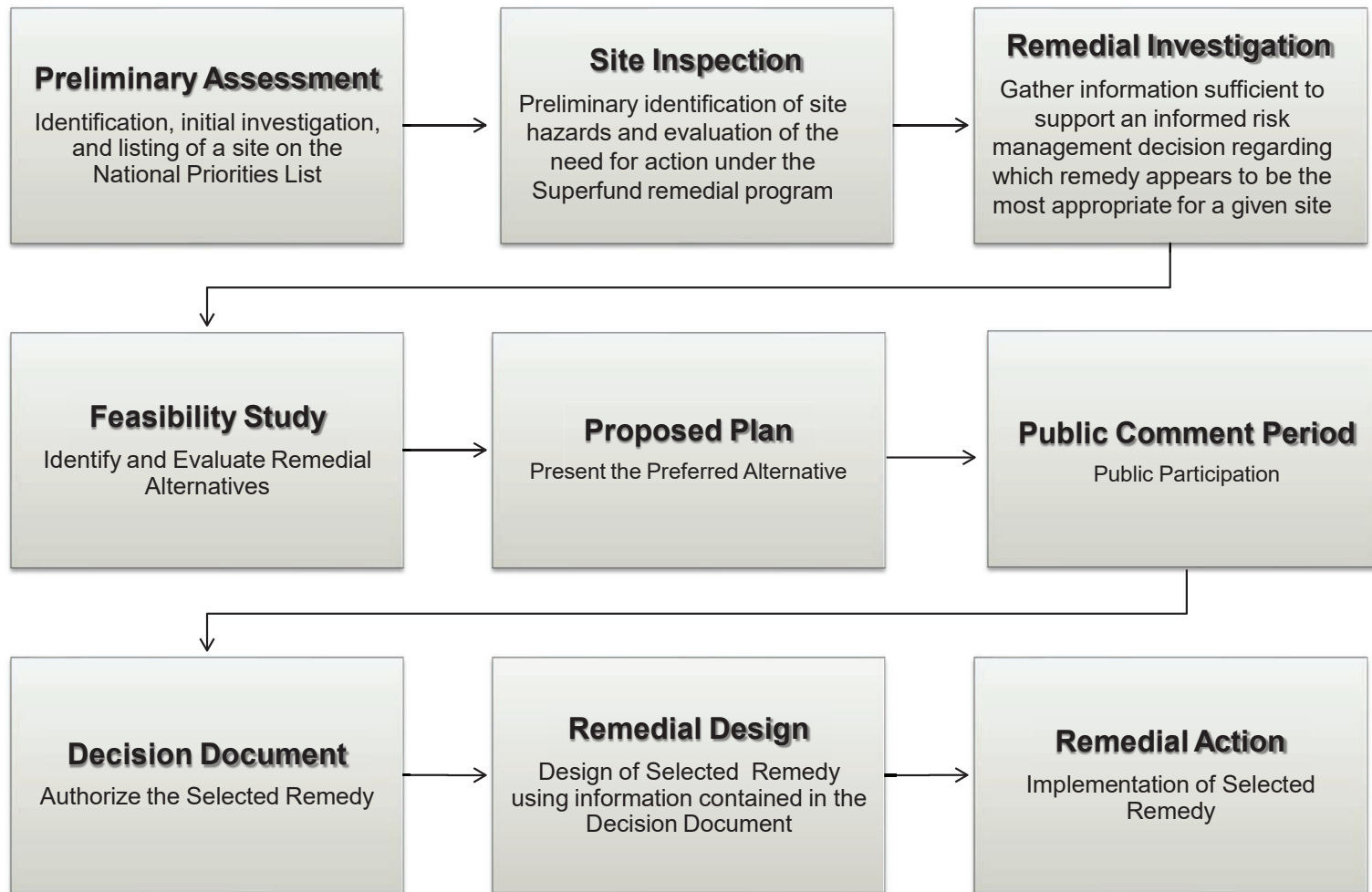


- A FUDS is defined as a facility or site that was under the jurisdiction of the Secretary of Defense and owned by, leased to, or otherwise possessed by the United States at the time of actions leading to contamination by hazardous substances. By the Department of Defense (DoD) Environmental Restoration Program (DERP) policy, the FUDS program is limited to those real properties that were transferred from DoD control prior to 17 October 1986. FUDS properties can be located within the 50 states, District of Columbia, territories, commonwealths, and possessions of the United States.
- The Army is the DoD executive agent for FUDS, and the USACE is responsible for carrying out the program.
- The Louisville District, USACE is the lead agency for implementing the FUDS program in Michigan for the DoD and works in coordination with EGLE.





# STAGES OF THE CERCLA PROCESS AND NCP





# AREAS OF CONCERN



- USACE is conducting ongoing environmental investigations at the Former NASGI.
  - 1990: Formal investigation activities began with an SI
    - The SI identified 25 potential Areas of Concern (AOCs).
  - 1993-1996: 23 underground storage tanks (USTs) were removed/investigated
  - 1996 SI
  - 2001-2006: RI of 25 AOCs
  - 2007-present: Additional RI, FS, and PP activities have been conducted at various AOCs.



# LOCATIONS OF AREAS OF CONCERN





# GROUPINGS OF AREAS OF CONCERN



- Former nonregulated USTs: AOCs 5, 7, 10, 21
- Former fuel lines that were part of the AOC 1 UST system: AOC 17
- Former regulated USTs: AOCs 3, 4, 6, 8, 11, 13, 1, 18
- CERCLA AOCs:
  - RI phase: AOCs 2, 25
  - PP phase: AOCs 9, 14, 15, 16, 19, 23
  - PP phase: AOCs 12, 20, 24A, 24B



# FORMER NONREGULATED USTS AREAS OF CONCERN



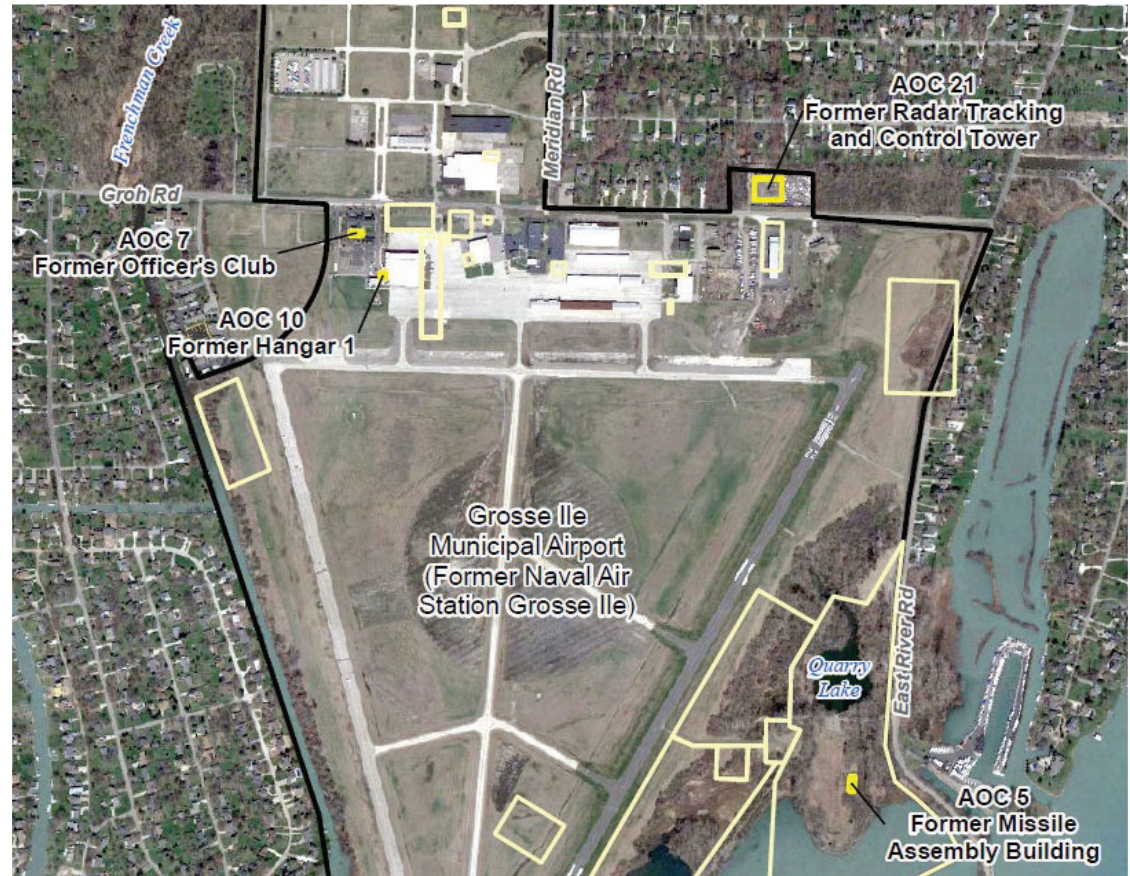
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- CERCLA AOCs
  - RI phase: AOCs 2, 25
  - PP phase: AOCs 9, 14, 15, 16, 19, 23
  - PP phase: AOCs 12, 20, 24A, 24B



## FORMER NONREGULATED USTS: AOCs 5, 7, 10, 21



- AOCs 5, 7, 10, and 21 consist of former nonregulated USTs.
- A heating oil UST and all integral piping and pumps were removed from AOCs 5 and 7.
- One 55-gallon waste oil UST was removed from AOC 10 in 1994.
- One heating oil UST was reportedly located at AOC 21 next to the main building and removed during building demolition in the late 1990s.





## FORMER NONREGULATED USTS: AOCS 5, 7, 10, 21 (CONT'D)



- From 1993 to 2008, environmental samples were collected and analyzed to determine whether there was any residual heating oil in soil or groundwater, if encountered.
- Concentrations of presumed site-related chemicals did not exceed the most current State of Michigan's applicable Part 201 Residential and/or Nonresidential Cleanup Criteria Requirements for Response Activity.
- Since these former USTs stored heating oil for consumption on the premises where the tank was located and heating oil is not a regulated substance, these former USTs do not fall under federal or state UST regulations.
- In 2020, USACE notified EGLE that these USTs and their associated AOCs will be closed administratively.
- EGLE concurred with administrative closure in 2021.



# FORMER FUEL LINES AREAS OF CONCERN



- Former nonregulated USTs: AOCs 5, 7, 10, 21
- Former fuel lines that were part of the AOC 1 UST system: AOC 17
- Former regulated USTs: AOCs 3, 4, 6, 8, 11, 13, 1, 18
- CERCLA AOCs
  - RI phase: AOCs 2, 25
  - PP phase: AOCs 9, 14, 15, 16, 19, 23
  - PP phase: AOCs 12, 20, 24A, 24B



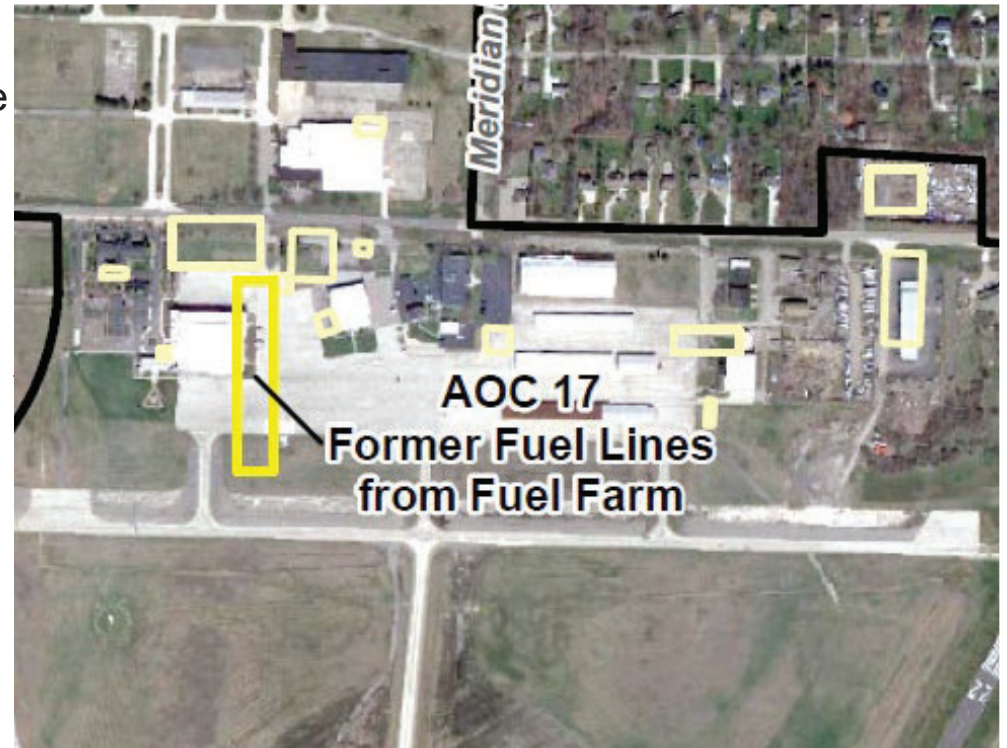


## FORMER FUEL LINES FROM FUEL FARM: AOC 17

17



- AOC 17 consists of former fuel lines running from the former fuel farm at AOC 1 to the flight line.
- The former fuel lines transported aviation gasoline (AVGAS) and were cleaned and abandoned in place in 1993.
- In 1996, environmental samples were collected and analyzed to determine whether there was a release of AVGAS to soil or groundwater.
- Concentrations of presumed site-related chemicals (AVGAS) in soil did not exceed the most current State of Michigan's applicable Part 201 Residential Cleanup Criteria Requirements for Response Activity.
- In 2020, USACE notified EGLE that these fuel lines and their associated AOC will be closed administratively.
- EGLE concurred with administrative closure in 2021.





# FORMER REGULATED USTS AREAS OF CONCERN



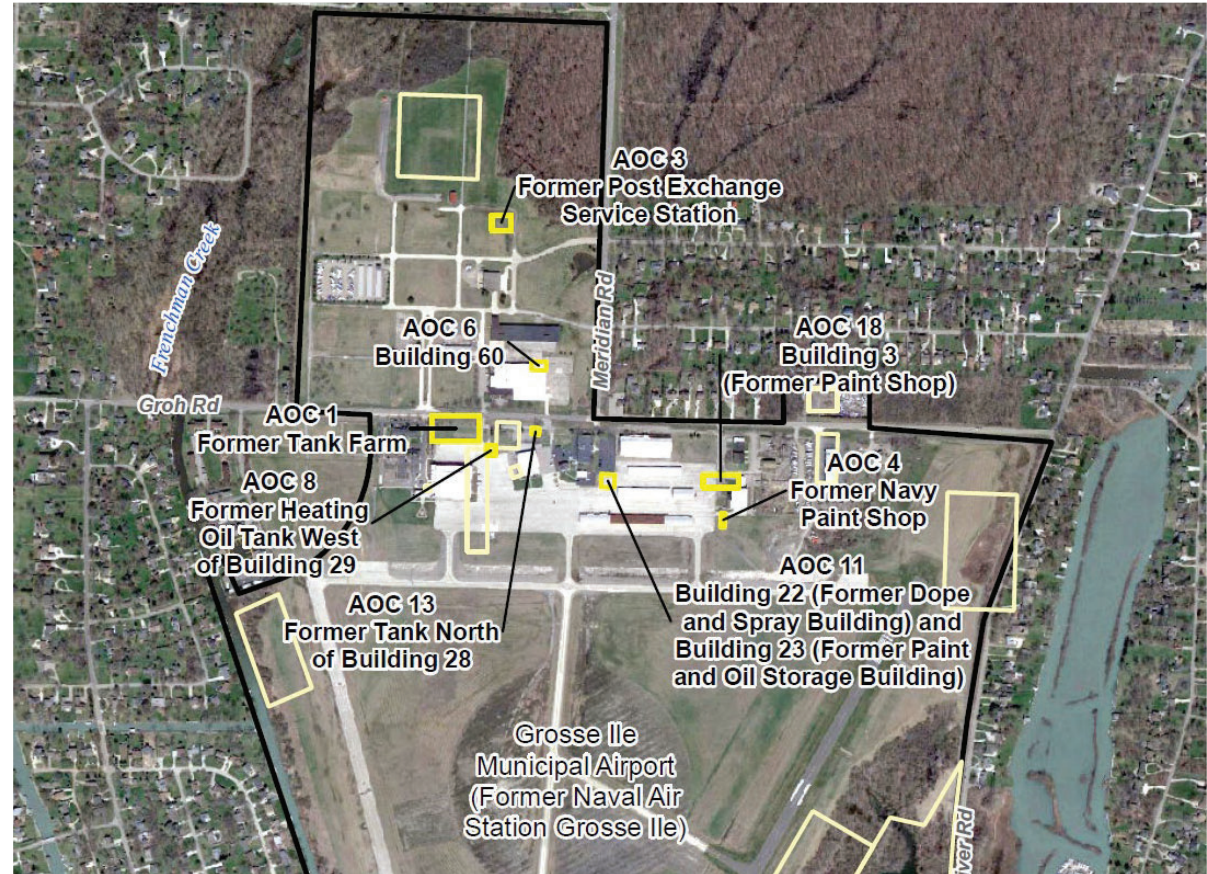
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  - PP phase: AOCs 12, 20, 24A, 24B



# FORMER REGULATED USTS: AOCS 3, 4, 6, 8, 11, 13



- AOCs 3, 4, 6, 8, 11, and 13 consist of former USTs that fall under federal and state UST regulations.
- USTs containing gasoline, waste oil, or AVGAS and all integral piping and pumps were removed from these AOCs in 1993.





## FORMER REGULATED USTS: AOCS 3, 4, 6, 8, 11, 13 (CONT'D)



- Although no free product was observed and no vapors were detected in nearby utility trenches and sewers, releases based on visual staining of soil or holes in the tank were discovered during tank removals.
- From 1993 to 2010, environmental samples were collected and analyzed for site-related chemicals to determine whether there was any residual gasoline or waste oil in soil or groundwater that exceed the most current State of Michigan's applicable Residential and/or Nonresidential Part 213 Risk-Based Screening Levels.
- The USACE also screened data against volatilization to indoor air potential (VIAP) screening levels to evaluate potential hypothetical future nonresidential vapor intrusion risk.
- There are no site-related chemicals in soil or groundwater at concentrations greater than promulgated criteria or VIAP screening levels.
- USACE prepared UST Closure Reports recommended closure of the former tanks.
- In 2021, EGLE concurred with closure of the former regulated tanks at AOCs 3, 4, 6, 8, and 13.
- EGLE's review of the closure report for AOC 11 is ongoing.



## FORMER REGULATED USTS: AOC 1

- AOC 1 (Former Tank Farm) consists of six former regulated USTs that contained AVGAS.
- The tanks and all integral piping and pumps were removed in 1993.
- Although no free product was observed and no vapors were detected in nearby utility trenches and sewers, releases based on visual staining of soil were discovered during tank removals.
- USACE conducted a UST investigation at AOC 1 in fall 2020.
  - Soil and soil gas samples were collected.
  - Groundwater was not encountered.
- USACE is preparing a Final Assessment Report for review by EGLE.





## FORMER REGULATED UST: AOC 18



- AOC 18 (Building 3—Former Paint Shop) consists of one former regulated UST that contained AVGAS, a former pump island, and an area where AVGAS was reportedly spilled by Navy personnel.
- The tank and all integral piping and pumps were removed from AOC 18 in 1996.
- Although no free product was observed and no vapors were detected in nearby utility trenches and sewers, releases based on visual staining of soil were discovered during tank removals.
- USACE conducted a UST investigation at AOC 18 in fall 2020.
- USACE submitted a Final Assessment Report recommending no further investigation and UST closure to EGLE for review in 2021.
- In 2021, EGLE concurred with the closure of the former regulated tank at AOC 18.

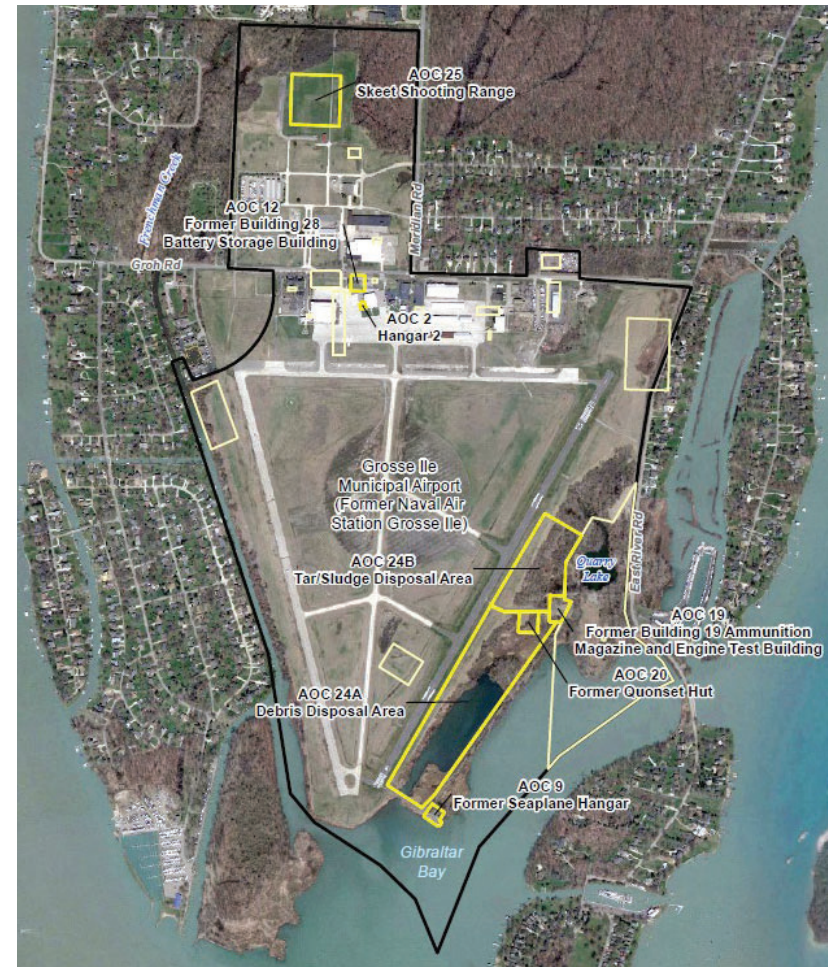




# CERCLA PP/DD PHASE AREAS OF CONCERN



- Former nonregulated USTs: AOCs 5, 7, 10, 21
- Former fuel lines that were part of the AOC 1 UST system: AOC 17
- Former regulated USTs: AOCs 3, 4, 6, 8, 11, 13, 1, 18
- CERCLA AOCs
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  - PP phase: AOCs 12, 20, 24A, and 24B



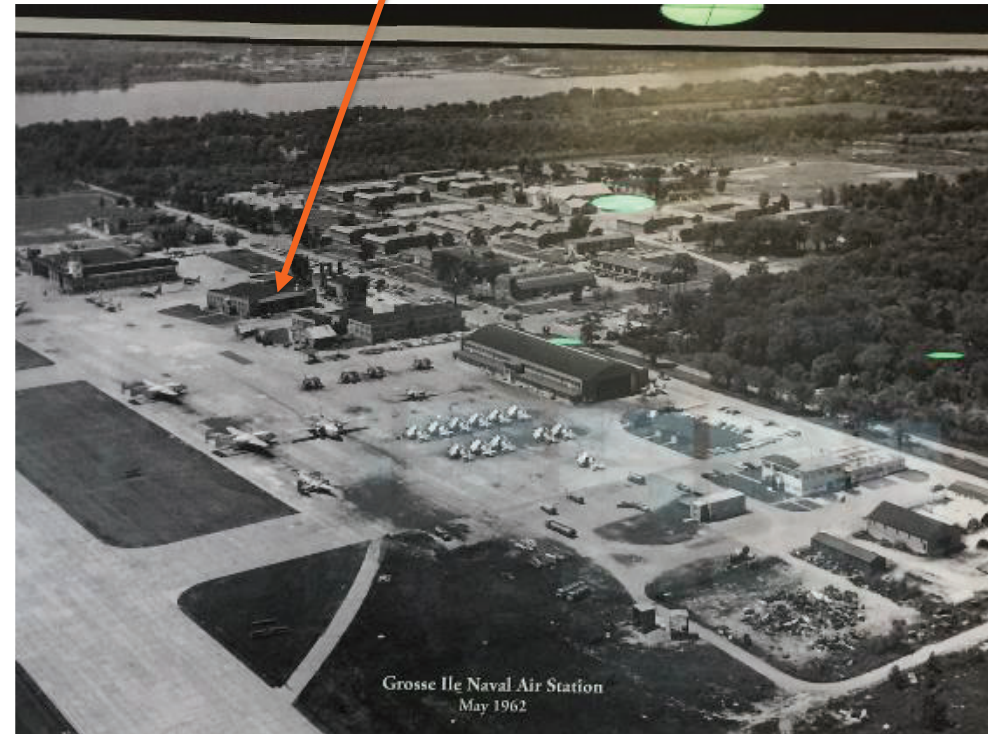


## CERCLA RI PHASE: AOC 2

- AOC 2 consists of Hangar 2 (Former Building 25).
- Hangar 2 was constructed in 1928. From 1942 to 1972, the Navy used the building for aircraft storage, as an administration building, and for flight training.
- Hangar 2 is currently the main office of Grosse Ile Municipal Airport. The airport leases space for storage of private aircraft and to commercial businesses, such as a flight school, lawyer's office, a surveyor's office, and a photography business.



Hangar 2







## CERCLA RI PHASE: AOC 2 (CONT'D)



- Previous investigations conducted at AOC 2 include:
  - 1991 SI
  - 1993 UST removal
  - 1996 SI
  - 2001–2006 RI
  - 2008–2014 RI
- These investigations concluded that further RI was necessary.
- In 2019–2020, RI activities were conducted at AOC 2.
- The contract to complete an RI expired in August 2020.
- In August 2021, USACE awarded a new contract to complete the RI.



## CERCLA RI PHASE: AOC 25

- AOC 25 (Former Skeet Range) consists of an area previously occupied by two skeet shooting ranges.
- The area is currently used as soccer and football fields.
- In the late 1990s, part of AOC 25 was covered with soil by the Grosse Ile Township.
- Records of the depth and extent of soil cover are unavailable.





## CERCLA RI PHASE: AOC 25 (CONT'D)



- Previous soil investigations focusing on lead were conducted from 2003 to 2005 and are summarized in the 2007 RI Report.
- An additional RI was initiated in 2017 but could not be completed before the contract ended. The RI remains as a Preliminary Draft.
- In August 2021, USACE awarded a new contract to complete the RI.



## CERCLA PP PHASE: AOCS 9, 14, 15, 16, 19, 23



- Previous investigations found no SRCs at concentrations that exceed applicable screening criteria.
- Evaluation of risk to human health and the environment resulted in a conclusion that no further action is warranted for any of these AOCs.
- EGLE concurred with the no-further-action recommendation.
- USACE is preparing Proposed Plans with no further action recommendation for review by EGLE and for public comment.
- USACE anticipates issuing no-further-action PPs for each AOC in 2022.
- The DD phase will follow the public comment period.



## CERCLA PP/DD PHASE: AOCS 12, 20, 24A, 24B



- Previous investigations found no SRCs at concentrations that exceed applicable screening criteria.
- Evaluation of risk to human health and the environment resulted in a conclusion that no further action is warranted for any of these AOCs.
- EGLE concurred with the no-further-action recommendation.
- USACE issued a no-further-action PP for each AOC for public comment.
- The public comment period ends December 14, 2021.
- The DD phase will follow the public comment period.



# COMMUNITY PARTICIPATION



- The USACE will continue to hold annual informational public meetings.
- Public comments can be submitted to:

Charles Delano  
Public Affairs Office  
U.S. Army Corps of Engineers  
Louisville District  
600 Dr. Martin Luther King Jr. Place  
Louisville, KY 40202-2232  
Phone: (502) 315-6769

Or by email at: [Charles.w.delano@usace.army.mil](mailto:Charles.w.delano@usace.army.mil)



## COMMUNITY PARTICIPATION



- Historical and new information is provided in the administrative record at:

Bacon Memorial District Library  
45 Vinewood Street  
Wyandotte, Michigan 48192

- Based on feedback from the 2019 annual informational public meeting, USACE plans to move the location of the public information repository to the Trenton Veterans Memorial Library in 2022.



# ABBREVIATIONS AND ACRONYMS



AOC	Area of Concern
AST	aboveground storage tank
AVGAS	aviation gasoline
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DD	decision document
DERP	Department of Defense Environmental Restoration Program
DoD	Department of Defense
EGLE	Michigan Department of Environment, Great Lakes and Energy
FS	feasibility study
FUDS	Formerly Used Defense Site
NASGI	Naval Air Station Grosse Ile





## ABBREVIATIONS AND ACRONYMS (CON'T)



PA	preliminary assessment
PM	project manager
PP	proposed plan
RAB	Restoration Advisory Board
RI	remedial investigation
SI	site inspection
TM	technical manager
USACE	U.S. Army Corps of Engineers
UST	underground storage tank



## QUESTIONS/COMMENTS

Questions and comments related to AOCs are welcome and will be documented by the recorder.