

2020 INFORMATIONAL PUBLIC MEETING, FORMER NAVAL AIR STATION GROSSE ILE, MICHIGAN

USACE

Louisville District

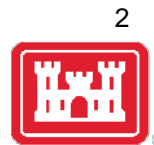
Date: September 10, 2020



US Army Corps
of Engineers®



WELCOME



Introduction of Project Delivery Team

- **U.S. Army Corps of Engineers (USACE)—Louisville District Office**
 - Clayton Hayes—Project Manager
 - Robin Sternberg, PhD—Technical Manager
 - Mark Nichter—Technical Manager
 - Angela Schmidt—Project Risk Assessor
 - Mette Bahde—Office of Legal Counsel
 - Shatara Riis—Public Affairs Specialist
 - Jennifer Guffey – Tribal Liaison
 - Kimberly Amley (Jacobs Engineering)—Contractor to USACE
 - Tom Hutchinson (Jacobs Engineering)—Senior Scientist
 - Julie Clark (Jacobs Engineering)—Facilitator
- **Michigan Department of Environment, Great Lakes and Energy (EGLE)**
 - William Harmon—Project Manager
- **Grosse Ile Municipal Airport**
 - Mike Duker—Airport Manager



PARTICIPATION INSTRUCTIONS



- **Virtual Public Meeting**
 - USACE will share a presentation to discuss the status of multiple areas of environmental concern at Former Naval Air Station Grosse Ile (NASGI)
 - Phones will be muted during the presentation
 - Participants are encouraged to provide questions and comments during the presentation using the chat feature
 - USACE will respond to both written and oral comments at the end of the presentation
- **Connection Trouble**
 - If you are experiencing connection issues, please call +1-844-992-4726 and enter code 132 202 4163 to hear the meeting
 - The presentation materials can be viewed online at <https://jeg.webex.com/join/NASGI2020>
- **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 public repository located at the Bacon Memorial District Library in Wyandotte, MI
- **Public Introductions**
 - Public participants are encouraged to introduce themselves using the chat feature to provide a record of public attendance
 - When providing a comment orally, please state and spell your name



AGENDA

- Purpose and Objective
- Regulatory Framework
- Areas-of-Concern Status
- Community Involvement
- Questions and Answers





PURPOSE OF THIS MEETING



- The purpose of this meeting is to:
 - Provide the public with an overview of the progress of environmental work at the Former NASGI.
 - Provide the public with an opportunity for questions and answers.



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.
- USACE is the lead agency for implementing the FUDS program in Michigan for the DoD and works in coordination with the Michigan Department of Environment, Great Lakes, and Energy (EGLE).



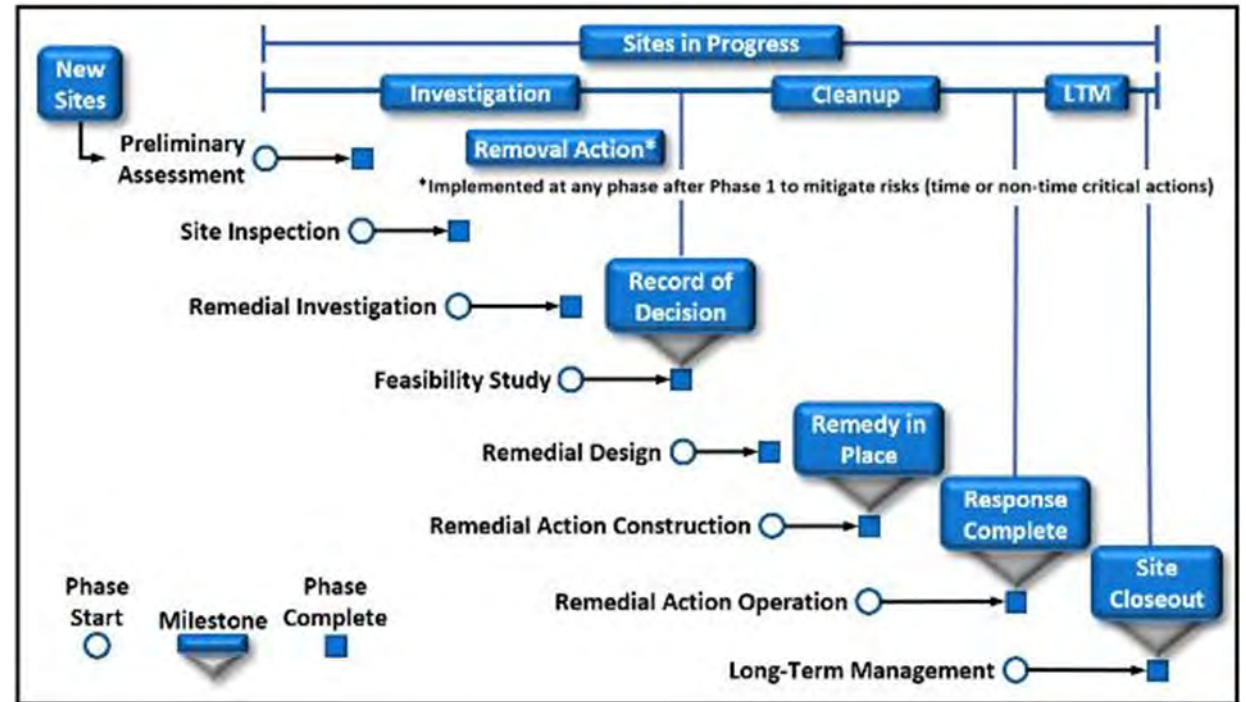
CERCLA PROCESS



- The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 USC § 9601 et seq.) authorizes cleanup responses when there is a release or threat of a release of a hazardous substance to the environment, and sets a framework for accomplishing those actions.

– CERCLA phases consist of:

- Preliminary assessment (PA)
- Site inspection (SI)
- Remedial investigation (RI)
- Feasibility study (FS)
- Proposed plan (PP)
- Decision document (DD)





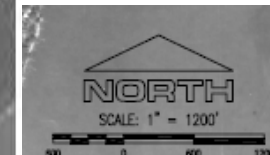
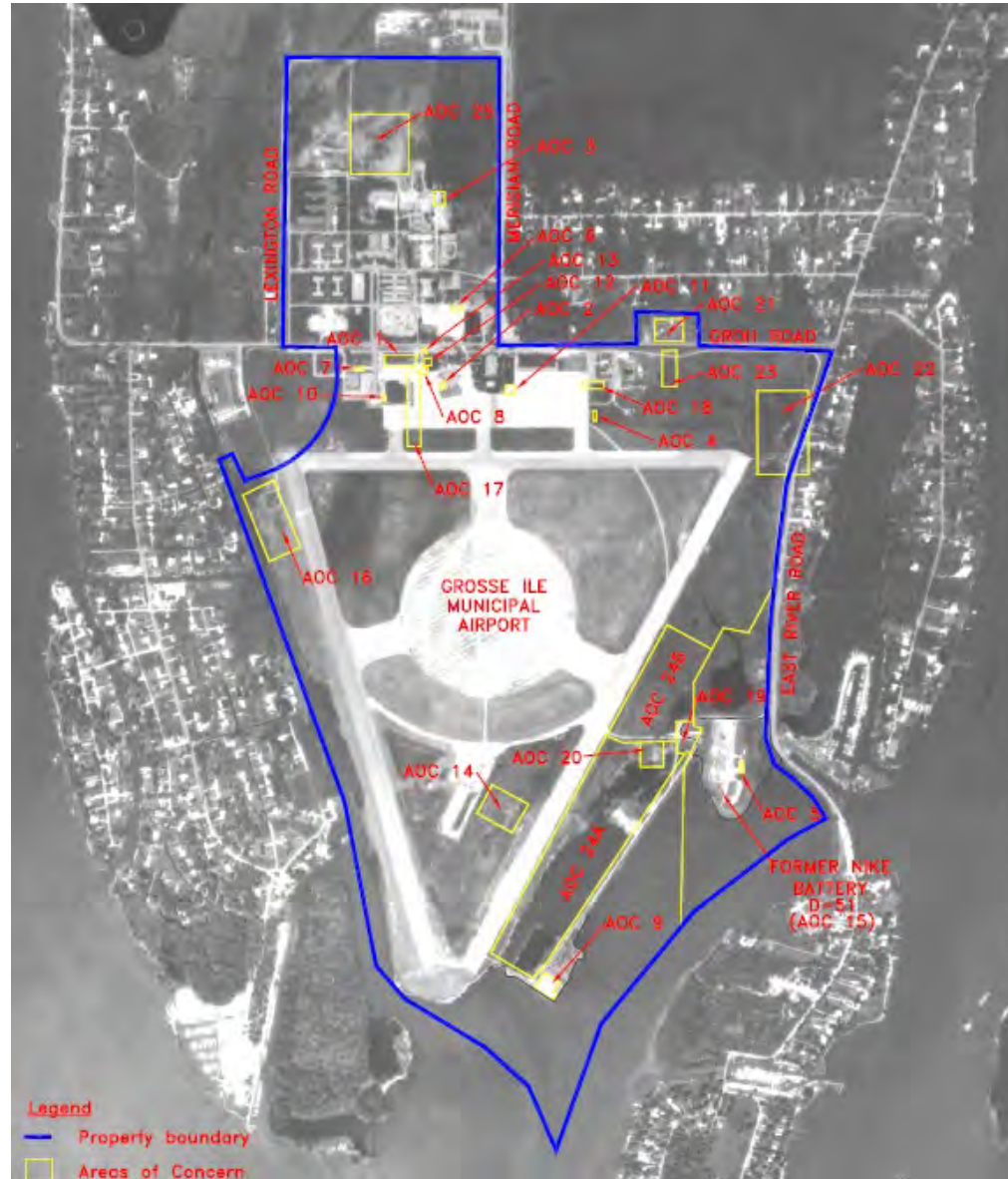
AREAS OF CONCERN



- USACE is conducting ongoing environmental investigations at the Former NASGI.
 - Formal investigation activities began in 1990 with an SI.
 - The SI identified 25 potential Areas of Concern (AOCs).
 - 23 underground storage tanks (USTs) were removed/investigated from 1993 through 1996.
 - RI of 25 AOCs initiated in 2001, continued until 2006, and was reported in 2007.
 - Additional RI activities have been conducted at various AOCs from 2007 through the present.
 - PP and DD activities have been in progress at various AOCs since 2016.



AREAS OF CONCERN MAP





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/FS phase: AOCs 12, 20, 24A, 24B, 9, 19, 2, 25
 - PP/DD phase: AOCs 14, 15, 16, 23
- AOC 22



FORMER NONREGULATED USTs' AREAS OF CONCERN



- Former nonregulated USTs: AOCs 5, 7, 10, 21
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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 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.
- USACE is notifying EGLE that these USTs and their associated AOCs will be closed administratively.



FORMER FUEL LINES AREAS OF CONCERN



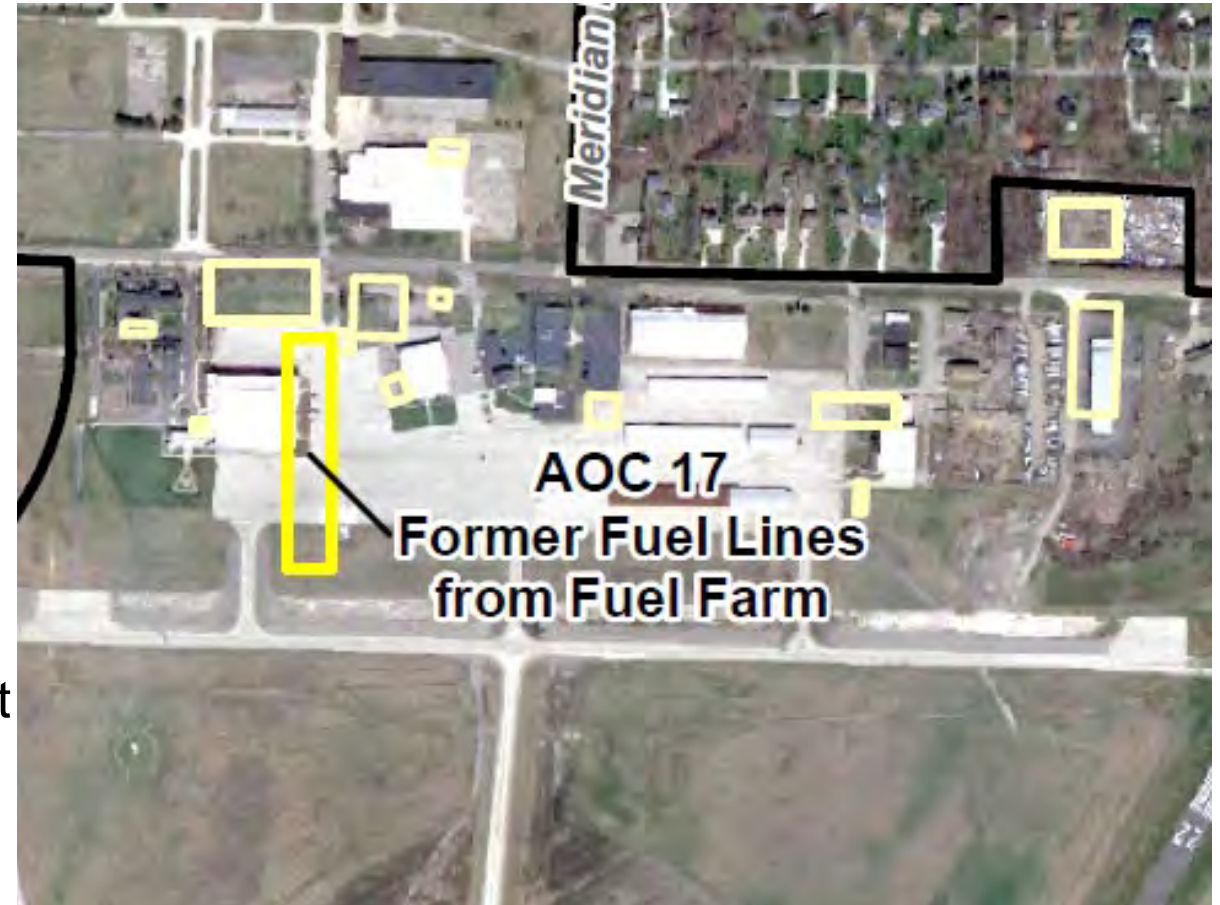
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- Not an AOC: AOC 22



FORMER FUEL LINES FROM FUEL FARM: AOC 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.
- USACE is notifying EGLE that these fuel lines and their associated AOC will be closed administratively.





FORMER REGULATED USTS AREAS OF CONCERN



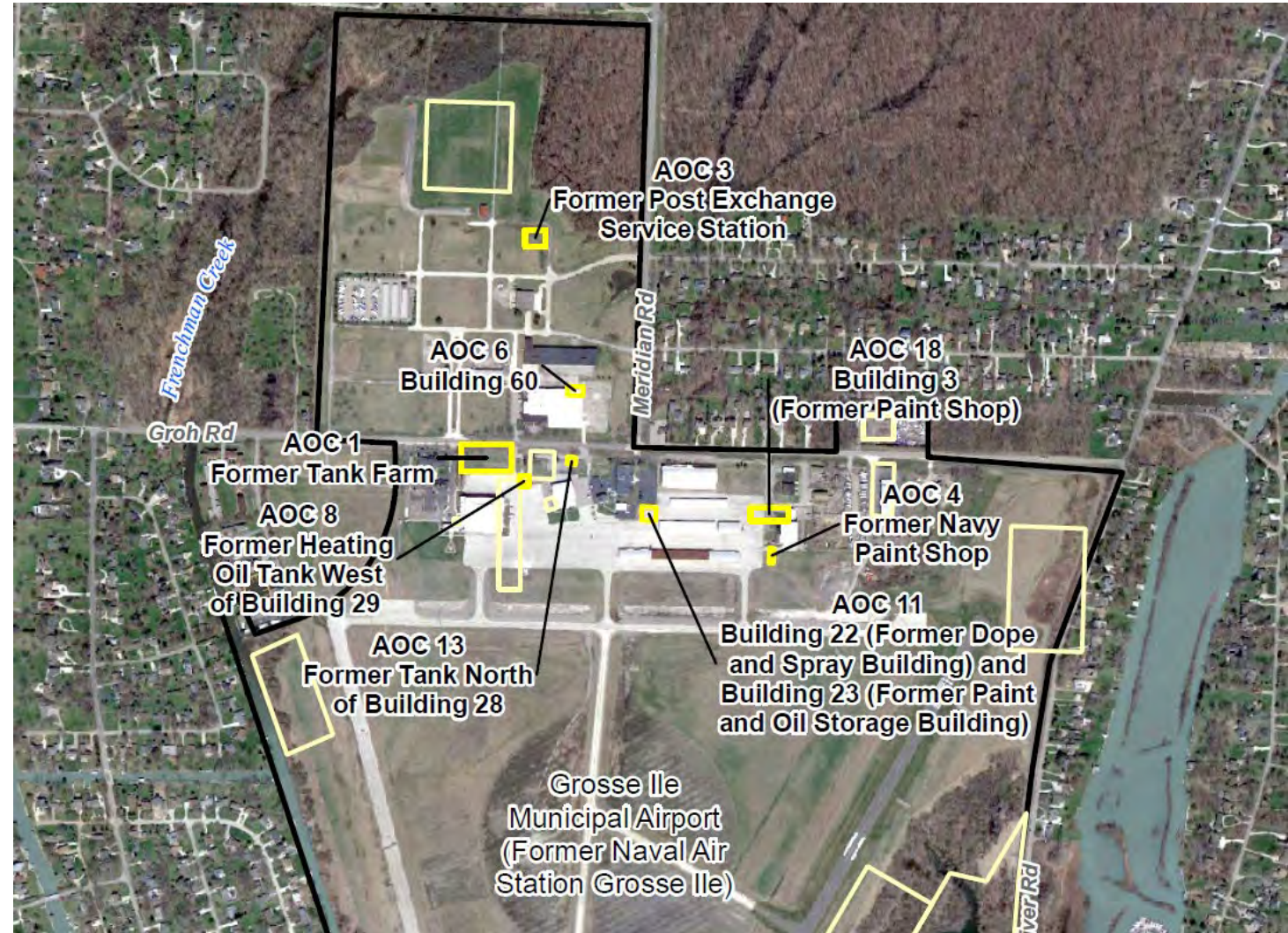
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- Not an AOC: AOC 22



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 exceeded the most current State of Michigan's applicable Residential Part 213 Risk-Based Cleanup Levels.
- USACE is requesting site-specific vapor intrusion values from EGLE.
- USACE is preparing UST closure reports for review by EGLE.



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 is conducting a UST investigation at AOC 1 in fall 2020.
 - Soil, groundwater, and soil gas samples will be collected.
- USACE will prepare a Final Assessment Report for review by EGLE.





FORMER REGULATED USTS: 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 is conducting a UST investigation at AOC 18 in fall 2020.
 - Soil, groundwater, and soil gas samples will be collected.
- USACE will prepare a Final Assessment Report for review by EGLE.





CERCLA RI/FS 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
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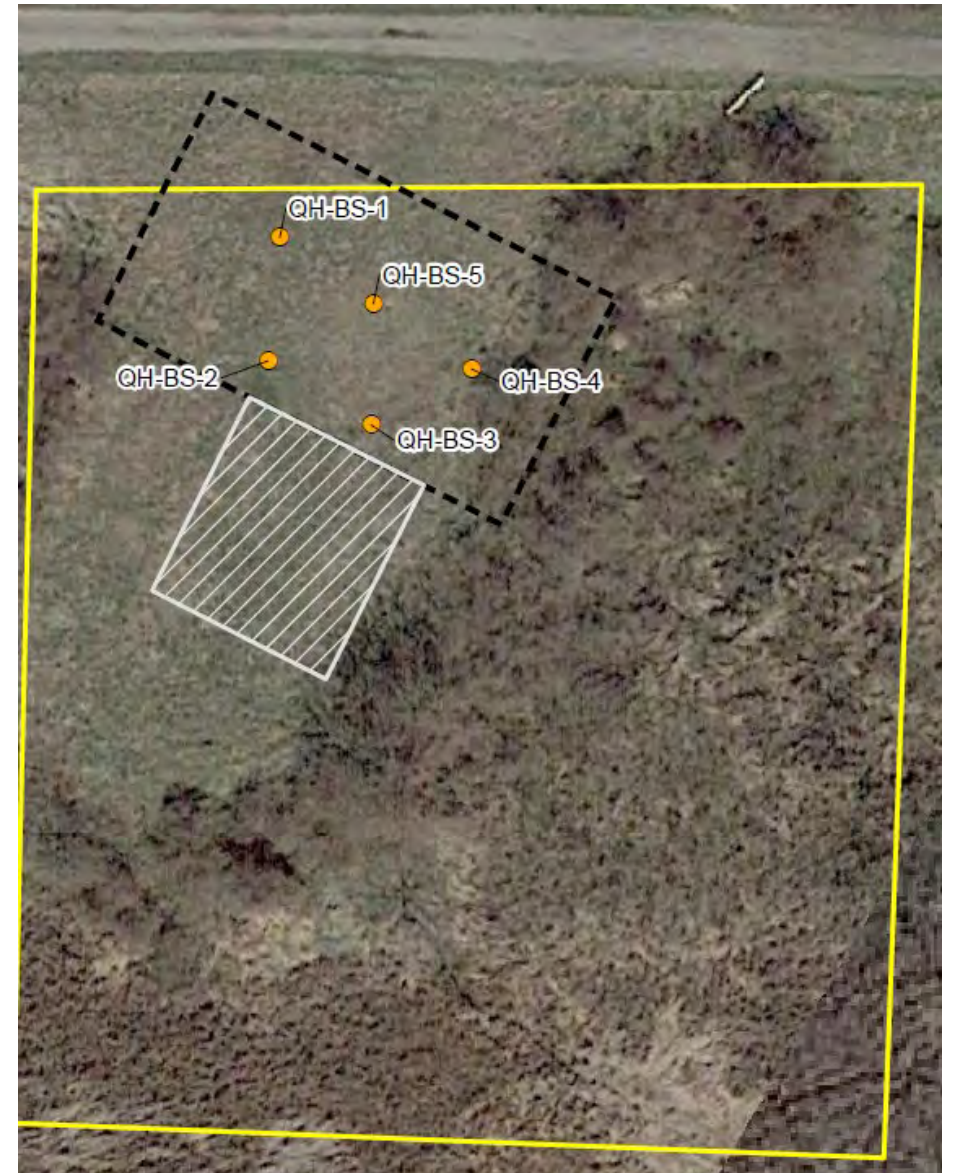




CERCLA RI/FS PHASE: AOC 20



- AOC 20 (Former Quonset Hut) consists of a natural area west of a wetland area associated with the Detroit International Wildlife Refuge–Gibraltar Bay Unit.
- Drums were found temporarily staged near the Quonset Hut.
- In 1993, the Quonset Hut was demolished; the drums were removed; and soil was excavated within the temporary drum storage area.
- In 2003, environmental samples were collected as part of the RI and analyzed for site-related chemicals to determine whether there were any residual chemicals from the drums in soil or groundwater.





CERCLA RI/FS PHASE: AOC 20 (CONT'D)



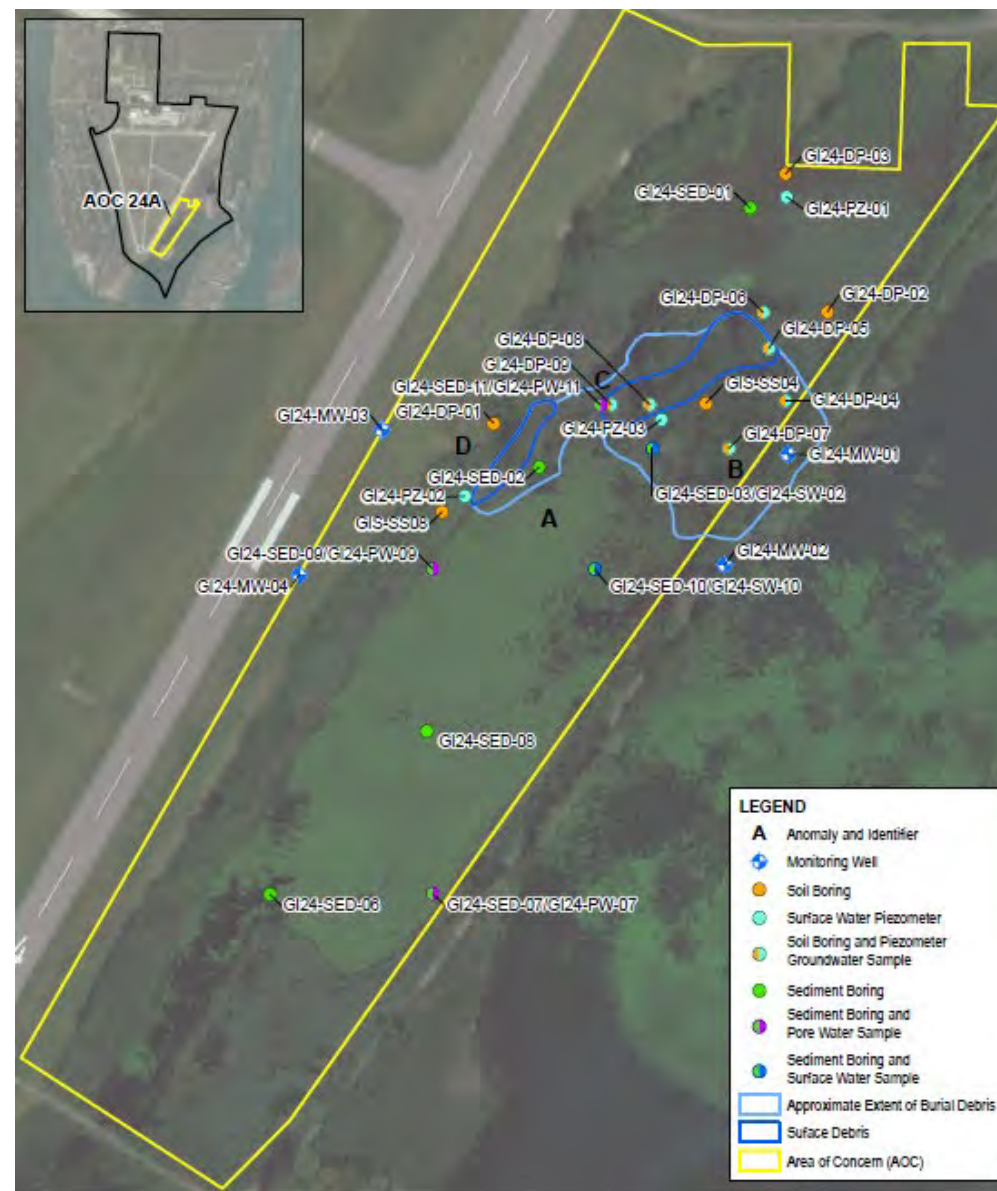
- Although the 2007 RI concluded no further action was necessary at AOC 20, USACE determined that additional RI activities were warranted to assess potential risks to human health and environment.
- USACE prepared and submitted an RI Addendum report to EGLE for review and concurrence in June 2020.



CERCLA RI/FS PHASE: AOC 24A



- AOC 24A (Debris Disposal Area) consists of an undeveloped natural area historically used to park watercraft and seaplanes and to dispose of debris.
- Surface debris, including refrigerators, washing machines, airplane parts, building demolition debris, and rusted empty drums, was found at the AOC.
- From 2002 to 2006, environmental samples were collected and analyzed as part of the RI.
- Debris removal was conducted in 2008 by an independent scrap metal recycler.





CERCLA RI/FS PHASE: AOC 24A (CONT'D)



- Although EGLE and USACE determined in 2008 that the debris present at AOC 24A was a solid waste issue and that the items of debris and any release of chemicals resulting from breakdown of the debris would not be regulated by CERCLA, additional evaluation was completed in 2019 to ensure chemicals detected in environmental samples collected during the RI do not pose risk to human health and environment.
- USACE is preparing an RI Addendum report for AOC 24 for submission to EGLE.



CERCLA RI/FS PHASE: AOC 24B



- AOC 24B (Tar/Sludge Disposal Area) consists of a former 100-foot-long trench running parallel to the Grosse Ile Municipal Airport runway.
- A tar/sludge substance was observed at approximately 0.5 foot below ground surface at the north end of the trench, and construction demolition debris (broken concrete with rebar) was observed at the south end of the trench.
- In 2005, approximately 24 cubic yards of impacted soil and tar/sludge was removed from AOC 24B, and the area backfilled with clean material.





CERCLA RI/FS PHASE: AOC 24B (CONT'D)



- In 2005, environmental samples were collected and analyzed for site-related chemicals as part of the RI to determine whether there was any residual tar/sludge in soil or groundwater.
- Although the 2007 RI concluded that the remedial action at AOC 24B was complete, USACE determined that additional RI activities were warranted to assess potential risks to human health and environment.
- USACE prepared and submitted an RI Addendum report for AOC 24B to EGLE for review and concurrence in June 2020.



CERCLA RI/FS PHASE: AOC 9



- AOC 9 (Former Seaplane Hangar) consists of 1 acre in the southeast portion of former NASGI, north of Gibraltar Bay, west of Detroit River, and approximately 500 feet east of the Grosse Ile Municipal Airport's easternmost runway.
- AOC 9 was first developed as a seaplane hangar in 1929. Further development through 1950 added construction living quarters, mess hall, repair shop, boathouse, a fuel oil UST system, and a gasoline aboveground storage tank (AST) system.
- Prior to 1942, AOC 9 was used for aircraft maintenance. By 1950, AOC 9 housed a Coast Guard search-and-rescue unit. Additional docking structures were constructed to replace the original support buildings.



View Looking Northeast



CERCLA RI/FS PHASE: AOC 9 (CONT'D)



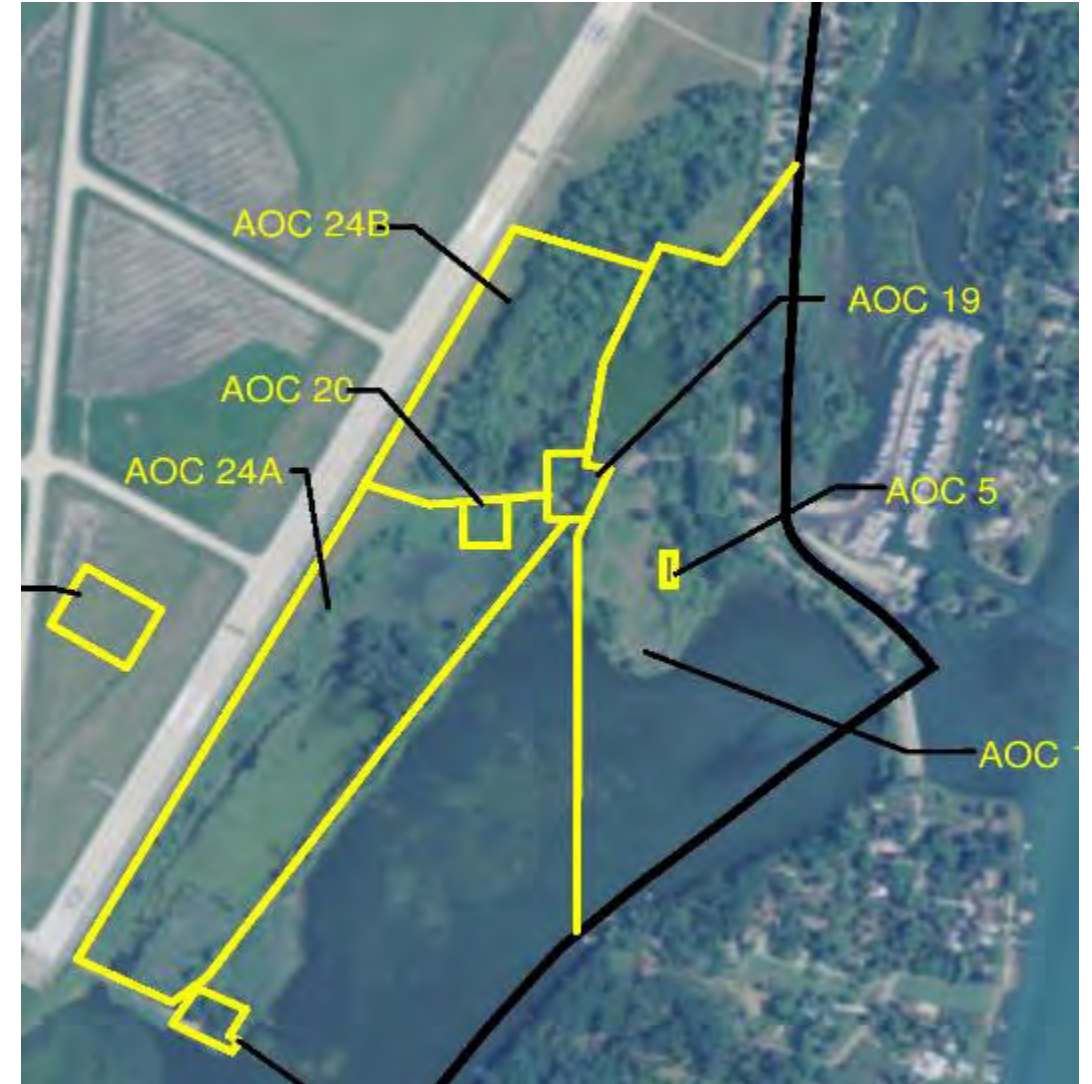
- RI activities in 2019–2020 were halted due to flooding and saturation of site soils with Detroit River water.
- EGLE and USACE concurred to end RI of AOC 9, as further sampling would not be considered representative of site conditions during DoD use.
- A previous evaluation to assesses potential risks to human health determined that chemicals detected in environmental samples collected during RI at AOC 9 were at concentrations below applicable screening criteria.
- In July 2020, USACE prepared and submitted an RI Addendum for AOC 9 to EGLE for review and concurrence.



CERCLA RI/FS PHASE: AOC 19



- AOC 19 (Building 19 [Former Engine Test Building and Ordnance Magazine]) consists of former Building 19 and approximately 3.9 acres of the airport along the eastern boundary of Former NASGI, immediately north of Gibraltar Bay, 700 feet east of easternmost runway, and adjacent to the western boundary of Former Nike Site D-51.
- Building 19 was demolished in 1993, and much of the building debris was piled along the northern boundary of AOC 19.
- AOC 19 is currently a vacant, open field of grass and trees; concrete debris has been observed penetrating the ground surface near Former Building 19.





CERCLA RI/FS PHASE: AOC 19 (CONT'D)



- Previous investigations conducted at AOC 19 include: 1991 evaluation of contamination; 1993 UST removal; 1996 expanded field investigation; 2001–2006 RI; and 2008–2014 RI.
- These investigations concluded that further RI was necessary.
- In 2019–2020, an additional RI was conducted at AOC 19.
 - Five soil test borings and five temporary monitoring well installations were completed, and soil and groundwater samples were collected for analysis.
- In July 2020, USACE submitted an RI Addendum for AOC 19 to EGLE for review.





CERCLA RI/FS PHASE: AOC 2



- AOC 2 (Hangar 2 [Former Building 25]) consists of Hangar 2 and 1.3 acres south of Groh Rd., 700 feet north of airport taxiways.
- 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.





CERCLA RI/FS PHASE: AOC 2 (CONT'D)



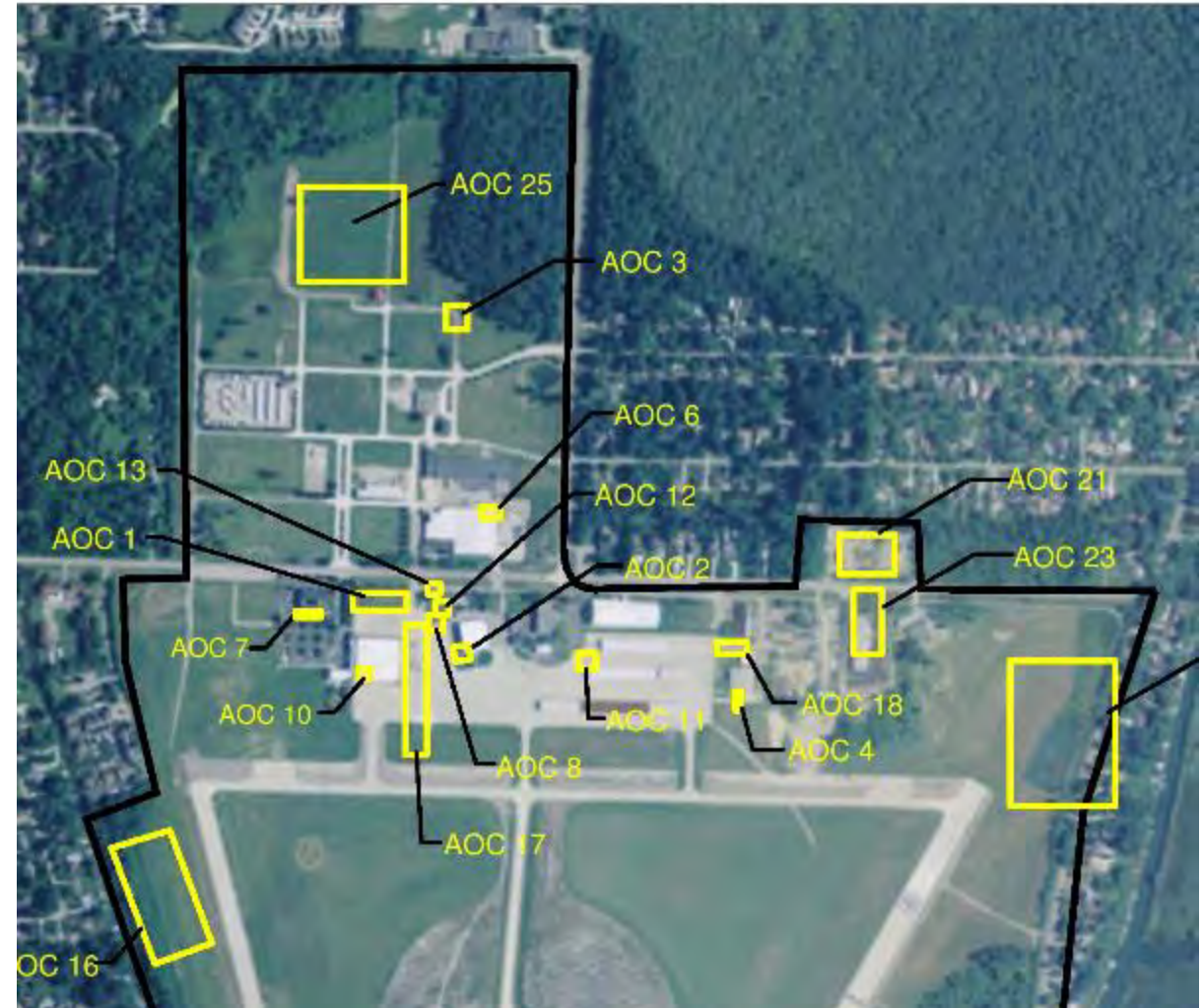
- Previous investigations conducted at AOC 2 include: 1991 evaluation of contamination; 1993 UST removal; 1996 expanded field investigation; 2001–2006 RI; and 2008–2014 RI.
- These investigations concluded that further RI was necessary.
- In 2019–2020, an additional RI was conducted at AOC 2.
- The contract to complete an RI Addendum expired in August 2020.
- USACE is issuing a new contract to complete an RI Addendum for submission to EGLE.
- The new contract will include options for an FS, PP, and DD.



CERCLA RI/FS PHASE: AOC 25



- AOC 25 (Former Skeet Range) consists of an area previously occupied by two skeet shooting ranges in the northernmost portion of the Former NASGI.
- In the late 1990s, part of AOC 25 was filled in by the Grosse Ile Township; it is currently used as soccer fields. Records of the depth and extent of fill are unavailable. Interviews with Grosse Ile Township staff indicate the historical ground surface was level with the streets in the area.
- Previous soil investigations focusing on lead were conducted from 2003 to 2005 and are summarized in the 2007 RI Report. Additional details are provided in a 2003 field sampling plan and in a 2005 technical memorandum.





CERCLA RI/FS PHASE: AOC 25 (CONT'D)



- A 2017 draft RI Addendum has not been completed and remains in draft form.
- The draft RI Addendum assessed lead in portions of the upper layer of fill material.
- USACE is issuing a new contract to complete an RI Addendum for submission to EGLE.





CERCLA PP/DD PHASE AREAS OF CONCERN



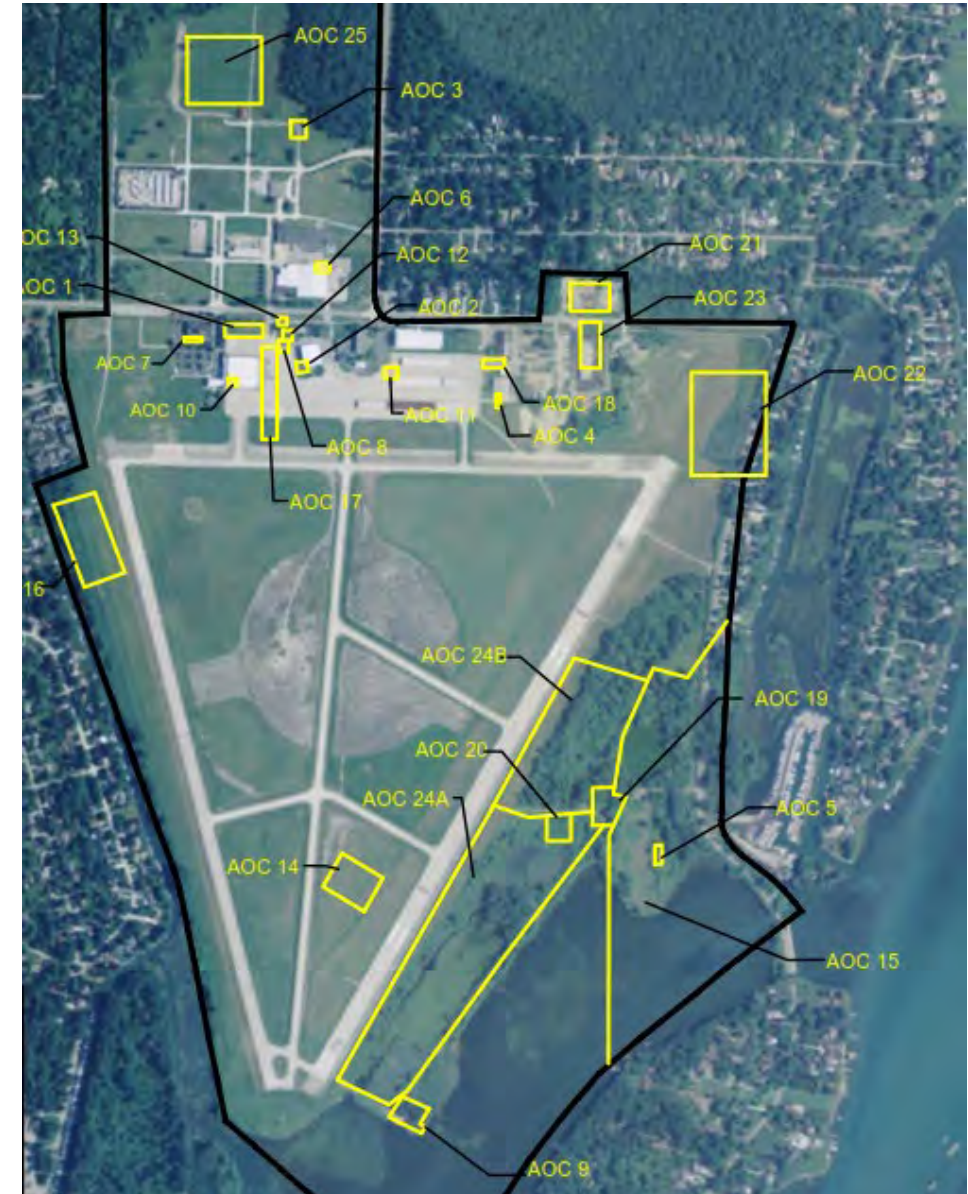
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 - PP/DD phase: AOCs 14, 15, 16, 23
- Not an AOC: AOC 22



CERCLA PP/DD PHASE: AOCS 14, 15, 16, 23



- AOC 14 (Former Fire Training Center)
 - AOC 15 (Former Nike Missile Silos)
 - AOC 16 (Former Sewage Treatment Plant)
 - AOC 23 (Former Navy Salvage Yard)
- Each are in the PP/DD CERCLA Phase.





CERCLA PP/DD PHASE: AOCS 14, 15, 16, 23



- Previous investigations found no constituents 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.
- The contract to complete no-further-action PPs and DDs expired in August 2020.
- USACE is currently issuing a new contract to complete no-further-action PPs for submission to EGLE and for public comment.



ADDITIONAL AREA



- Former nonregulated USTs: AOCs 5, 7, 10, 21
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- **AOC 22**



AOC 22

- AOC 22 (Former Storm Water and Sewage Lagoon) consists of the former storm water and sewage lagoon, constructed as a borrow pit for creation of the adjacent runway apron.
- Reportedly, the pond received wastewater from sinks located in several buildings in the former salvage yard. The buildings were taken offline while the Navy was still on base.
- According to aerial photographs, the lagoon did not exist until 1972, which is after the property was transferred to the City of Grosse Ile, in 1970.
- In 2008, EGLE concurred with USACE that the current lagoon is not an area of concern.
- AOC 22 has been removed from further consideration for CERCLA action.





COMMUNITY PARTICIPATION



- The USACE will continue to hold annual informational public meetings.
- A Restoration Advisory Board (RAB) Evaluation is scheduled for February 2021.
 - USACE will solicit interest in the RAB by advertising in *The News Herald* and on the Township of Grosse Ile website.
- RAB evaluation advertisement suggestions can be submitted to:

Shatara Riis
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: shatara.r.riis@usace.army.mil





COMMUNITY PARTICIPATION



- Historical and new information is provided in the public information repository at:

Administrative Record File
Bacon Memorial District Library
45 Vinewood Street
Wyandotte, Michigan 48192



ABBREVIATIONS AND ACRONYMS



AOC	Area of Concern
AST	above ground 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	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.