

**Kerr-McGee Chemical Corp.  
Navassa, North Carolina  
Superfund Site**

**Quarterly Public Meeting  
June 22, 2021**

**U.S. Environmental Protection Agency  
N.C. Department of Environmental Quality  
Greenfield Environmental Multistate Trust LLC,  
Trustee of the Multistate Environmental Response Trust**



# Public Meeting Agenda

- ✓ Introductions
- ✓ CERCLA Process, Review of Roles, Site Strategy, and Operable Unit 1 (OU1) Delisting
- ✓ Recent Work and Anticipated Future Work for OU2, OU3, OU4, and OU5
- ✓ Community Engagement, Contracting Strategy, Redevelopment Planning
- ✓ Questions and Discussion



# Introductions

Erik Spalvins, Remedial Project Manager  
EPA Region 4



# Introductions

- ✓ Kerr-McGee Superfund Site Cleanup Team
  - U.S. Environmental Protection Agency (EPA)
  - N.C. Department of Environmental Quality (NCDEQ)
  - Multistate Environmental Response Trust (Multistate Trust)
- ✓ Navassa Town Officials
- ✓ Navassa Community Economic and Environmental Redevelopment Corporation (NCEERC)
- ✓ Other Partners
  - N.C. Department of Health and Human Services/N.C. Division of Public Health (NCDHHS) – Health education and outreach
  - University of North Carolina – Wilmington (UNCW) and Brunswick Community College (BCC) – College / Underserved Community Partnership Program (CUPP)
- ✓ Natural Resource Trustees – Restoration Plan update



# NCDEQ Activities

David Mattison  
NCDEQ



# Town of Navassa Update

Mayor Eulis Willis



# Navassa Community Economic and Environmental Redevelopment Corporation (NCEERC) Update

Chris Graham  
NCEERC



# Natural Resource Restoration Update

Howard Schnabolk, NOAA Restoration Center

[howard.schnabolk@noaa.gov](mailto:howard.schnabolk@noaa.gov)

<https://darrp.noaa.gov/hazardous-waste/kerr-mcgee-chemical-corp-tronox>





**Administrative Record Link**  
**Community Involvement Plan Update**  
**CERCLA Process**  
**Site History**  
**Roles and Responsibilities**  
**Site Strategy**

Erik Spalvins, Remedial Project Manager  
EPA Region 4



# Administrative Records

## EPA Information Repository

- Navassa Community Center

- Leland Public Library

- Online at <https://semspub.epa.gov/src/collections/04/AR/NCD980557805>

All EPA Administrative Records used for cleanup decisions are available at the link.

EPA Region 4, Superfund Records Center, Atlanta, GA, is closed due to COVID-19.

## Public Meetings Every Quarter

**Next Meeting: September 21, 2021**



# EPA's Community Involvement Plan

- ✓ EPA uses the Community Involvement Plan (CIP) to document key community concerns, summarize communication needs and summarize community involvement activities
- ✓ EPA is interviewing community members and stakeholders
- ✓ If you would like to provide input, please contact L'Tonya Spencer-Harvey (678-575-8145)
- ✓ Contact information will not be included in the CIP



# Summary of CERCLA Process

- ✓ Site is Listed on the National Priorities List (NPL)
- ✓ Remedial Investigation (RI)
- ✓ Risk Assessments (HHRA and BERA) – based on anticipated future land uses
- ✓ Feasibility Study (FS)
- ✓ Proposed Plan
- ✓ Record of Decision
- ✓ Remedial Design (RD)
- ✓ Remedial Action (RA)
- ✓ Operations & Maintenance, if needed
- ✓ Five-Year Reviews, if needed
- ✓ Deletion from the NPL



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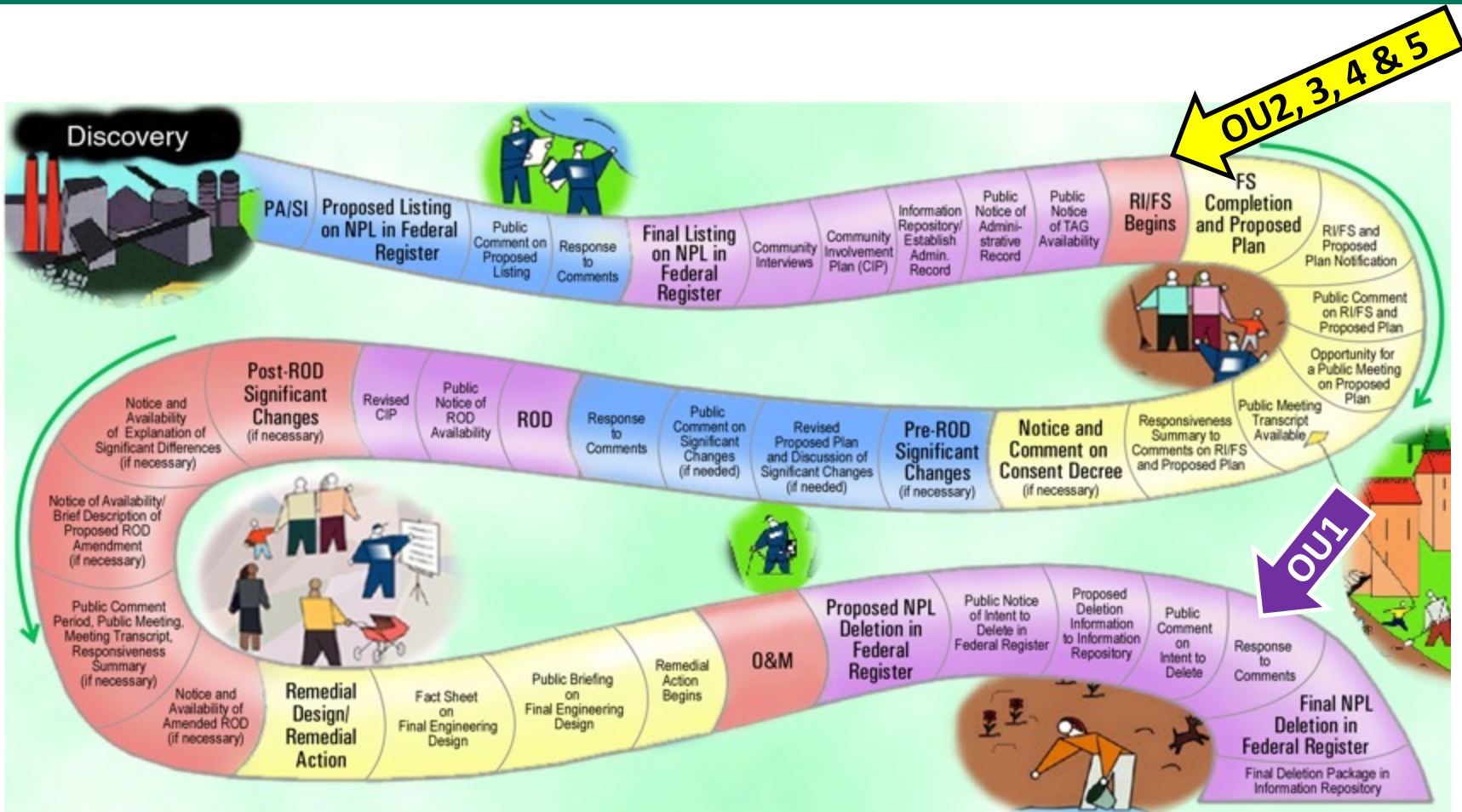
OU5

OU3 and OU4

OU2

OU1

# Summary of CERCLA Process



# Site History

- ✓ Creosote wood treatment started in 1936.
- ✓ Kerr-McGee purchased the facility in 1965 and discontinued operations in 1974.
- ✓ Kerr-McGee dismantled the plant in 1980.
- ✓ Kerr-McGee reported using only creosote.



# History – Remedial Investigation

- ✓ 1990s – State investigations rated the site as low-priority
- ✓ 2002 – Creosote contamination in the wetlands found during bridge construction
- ✓ 2003 – State refers site to EPA
- ✓ 2004-2006 – Kerr-McGee conducts investigation
- ✓ 2006-2009 – Tronox conducts investigation
- ✓ 2009 – Tronox declares bankruptcy
- ✓ 2010 – NPL listing and EPA takeover and sampling
- ✓ 2011 – Tronox bankruptcy settlement was finalized, which created the “Multistate Environmental Response Trust” – operating under a “Consent Decree and Environmental Settlement Agreement”





# Roles and Administrative Process

Cleanup  
Beneficiaries



Direct, review, approve  
environmental actions  
according to:



Trustee  
implements  
“Environmental  
Actions”

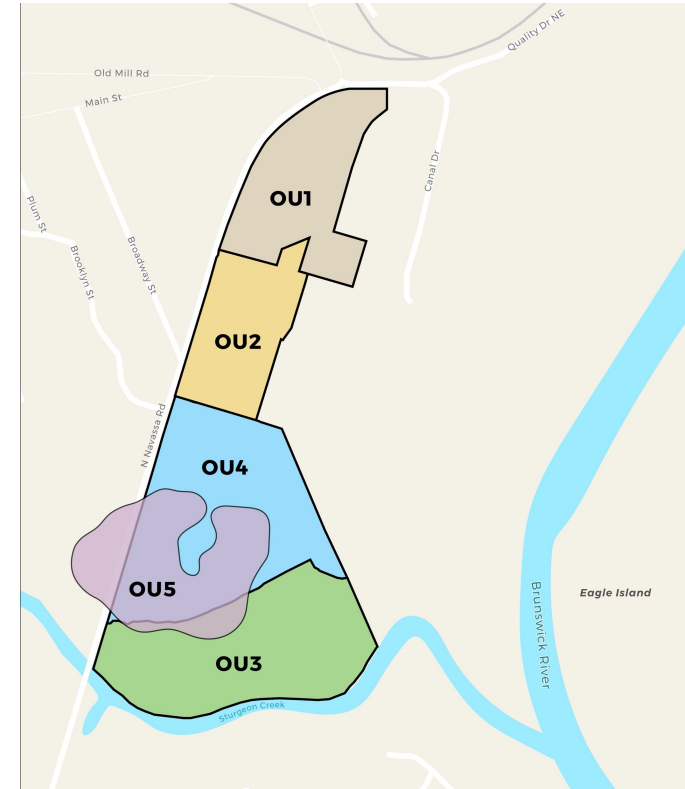


- Bankruptcy and Settlement Agreements
- CERCLA (Superfund Law)
- Other state and federal laws and guidance



# EPA's Site Strategy

- ✓ The Site strategy is to return acreage to productive use and enable redevelopment
- ✓ EPA divided the Site into Operable Units (OUs) according to the ease of completing the Superfund process
- ✓ EPA will delete OUs from the NPL if it supports redevelopment

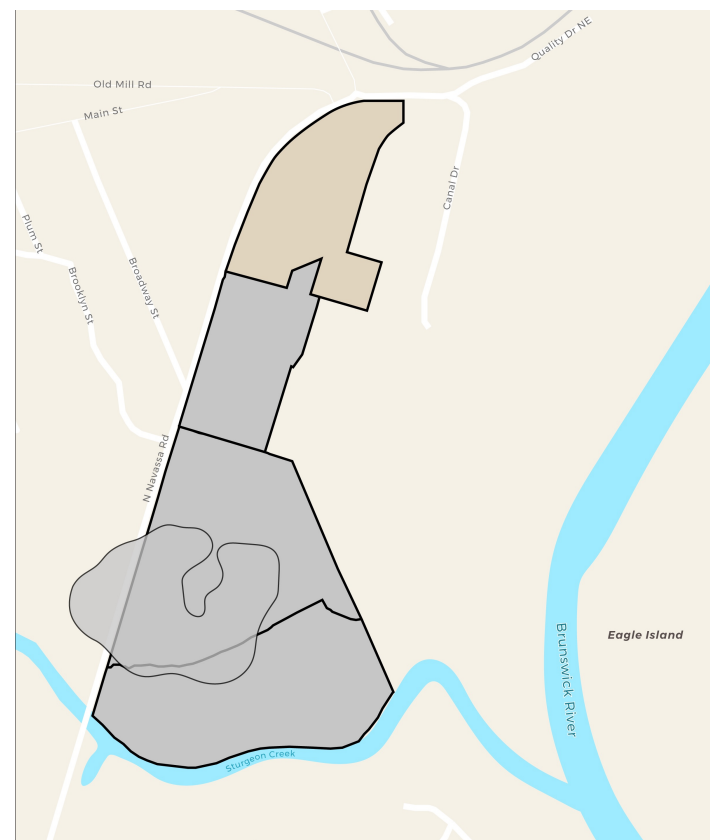


# EPA's Strategy for Operable Unit 1

- ✓ Operable Unit 1 – Wood storage areas meeting criteria for no action and no institutional controls
- ✓ April 2021- EPA issued the OU1 ROD
- ✓ Selected remedy is no action, including for residential uses, and no land use restrictions
- ✓ May 14, 2021 - EPA proposed partial deletion of OU1 from the National Priorities List.

<https://www.federalregister.gov/d/2021-10132>

- ✓ Deletion should be final in September 2021



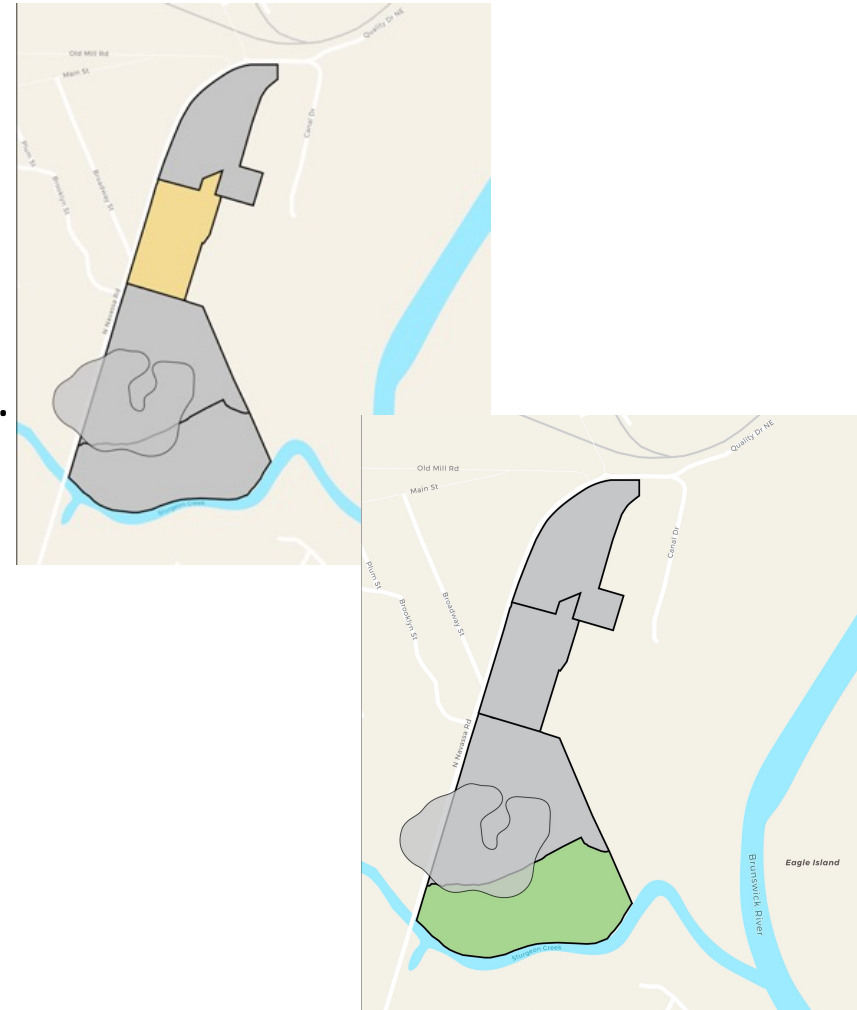
# EPA's Strategy for OU2 and OU3

## Operable Unit 2

- ✓ OU2 poses unacceptable ecological and residential risks. Ecological cleanup may address residential risks.
- ✓ Simple cleanup to levels allowing unrestricted land use. No land use controls.
- ✓ Deletion from NPL would have high impact for redevelopment.

## Operable Unit 3 – Southern Marsh

- ✓ OU3 poses ecological risk only, quantifying risk is complicated
- ✓ Cleanup is complicated
- ✓ Deletion from NPL would have low impact for redevelopment.



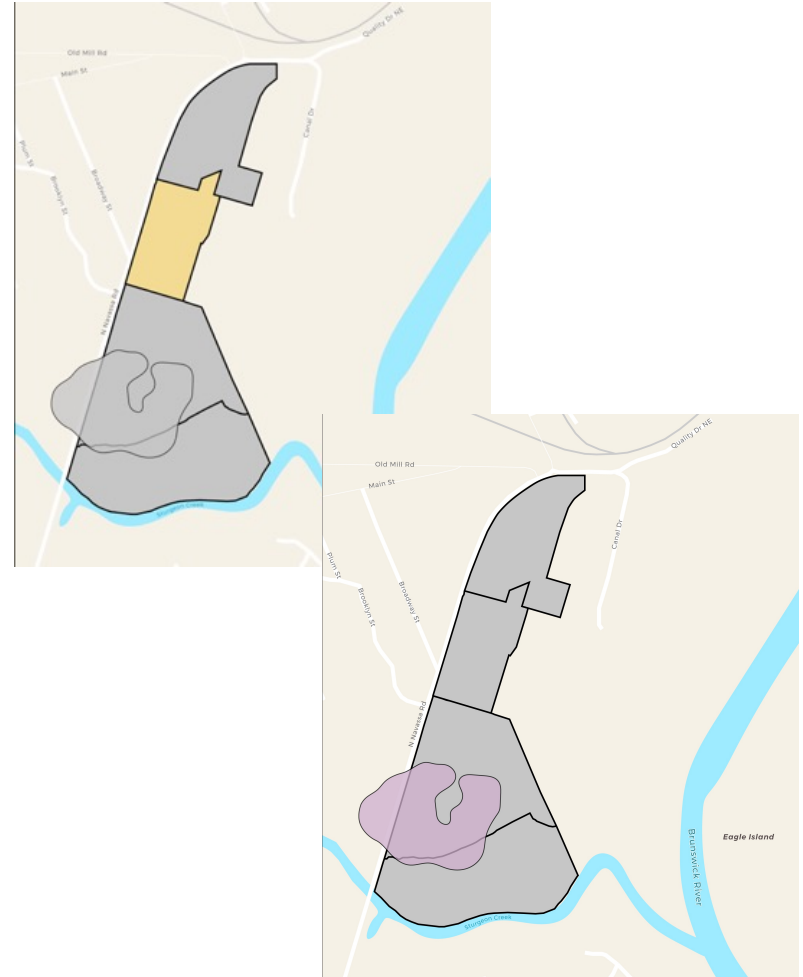
# EPA's Strategy for OU4 and OU5

## Operable Unit 4 – Pond and Process Areas

- ✓ OU4 poses unacceptable risks due to soil contamination and is an ongoing source of groundwater contamination.
- ✓ OU4 requires most complicated cleanup due to creosote in subsurface and contamination up to 90 feet deep
- ✓ Deletion from NPL would have moderate to high impact for redevelopment

## Operable Unit 5 – Groundwater

- ✓ Restoring groundwater to beneficial use is goal.
- ✓ Timeframe for addressing groundwater is after OU4 remedy is implemented.
- ✓ Deletion from NPL would have low impact for redevelopment.



# Update on Progress and Plans OU2, OU3, OU4 and OU5

Todd Martin

Multistate Trust Project Manager  
(Integral Engineering)



# Operable Unit 2 Recent Progress

- ✓ Collected 516 surface and 66 subsurface samples in 2020–2021 to evaluate remediation for unrestricted use
- ✓ Revised draft human health and ecological risk evaluations are currently in review by EPA and NCDEQ
- ✓ Preparing Feasibility Study to evaluate remedial alternatives



Crews collected OU2 soil invertebrate samples in 2020

*The Multistate Trust and its contractors performed these activities, unless otherwise indicated.*





# Operable Unit 3 Recent Progress

- ✓ Prepared draft update to Conceptual Site Model summarizing key processes (for example, how sea level rise influences Southern Marsh)
- ✓ Currently preparing technical memorandum summarizing results of 2020 field program and identifying analyses needed to finalize ecological risk assessment



Crews collected sediment samples in the Southern Marsh (OU3) in 2020.



*The Multistate Trust and its contractors performed these activities, unless otherwise indicated.*

# Operable Unit 3 Plans for 2021–2024

## Plans for 2021

- ✓ Finalize Southern Marsh Conceptual Site Model
- ✓ Finalize 2020 field program technical memorandum
- ✓ Conduct 2021 Supplemental Remedial Investigation

## Anticipated Future Work

- ✓ Complete the OU3 Ecological Risk Assessment (2022)
- ✓ Prepare OU3 Feasibility Study (2022)
- ✓ EPA to issue OU3 Proposed Plan and ROD (2022–2023)
- ✓ Initiate OU3 Remedial Action (2023–2024)



# Operable Unit 4 Recent Progress

- ✓ Collected surface soil samples to evaluate potential human health and ecological risk associated with surface soils
- ✓ Drafted data quality objectives (DQOs) to improve understanding of DNAPL and subsurface geologic parameters to support Feasibility Study

*The Multistate Trust and its contractors performed these activities, unless otherwise indicated.*



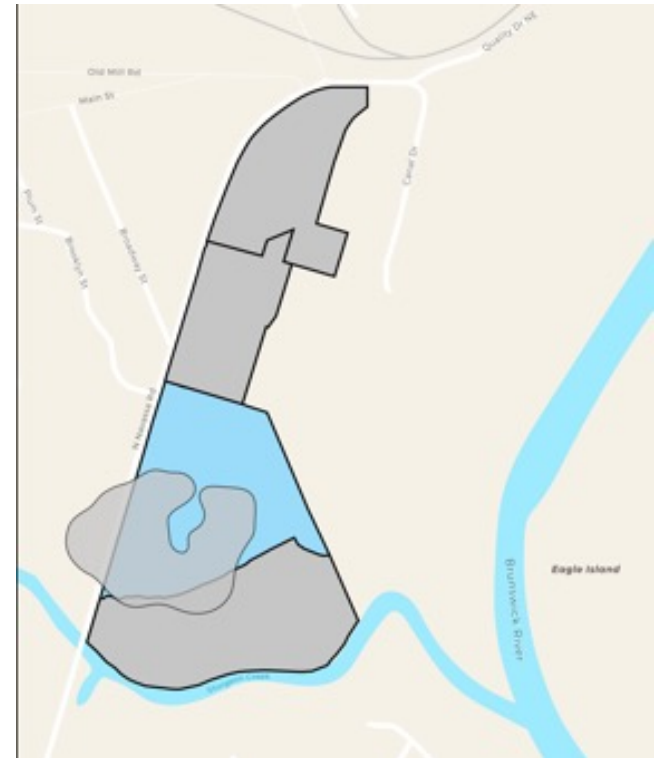
# Operable Unit 4 Plans for 2021–2024

## Plans for 2021

- ✓ Complete Supplemental Remedial Investigation Work Plan
- ✓ Complete Supplemental Remedial Investigation

## Anticipated Future Work

- ✓ Prepare OU4 Supplemental Remedial Investigation Report (2022)
- ✓ Prepare OU4 Human Health and Ecological Risk Assessments (2022)
- ✓ Prepare OU4 Feasibility Study (2022–2023)
- ✓ EPA to issue OU4 Proposed Plan and ROD
- ✓ Initiate OU4 Remedial Action



# Operable Unit 5 Recent Progress

- ✓ Completed semiannual groundwater monitoring
- ✓ Drafted DQOs to evaluate how contaminated groundwater plume interacts with Southern Marsh (OU3)



*The Multistate Trust and its contractors performed these activities, unless otherwise indicated.*



# Operable Unit 5

## Plans for 2021 and Beyond

### Plans for 2021

- ✓ Prepare Summer 2021 groundwater monitoring event report
- ✓ Conduct Winter 2021 groundwater monitoring event
- ✓ Prepare Supplemental Remedial Investigation Work Plan
- ✓ Complete Supplemental Remedial Investigation

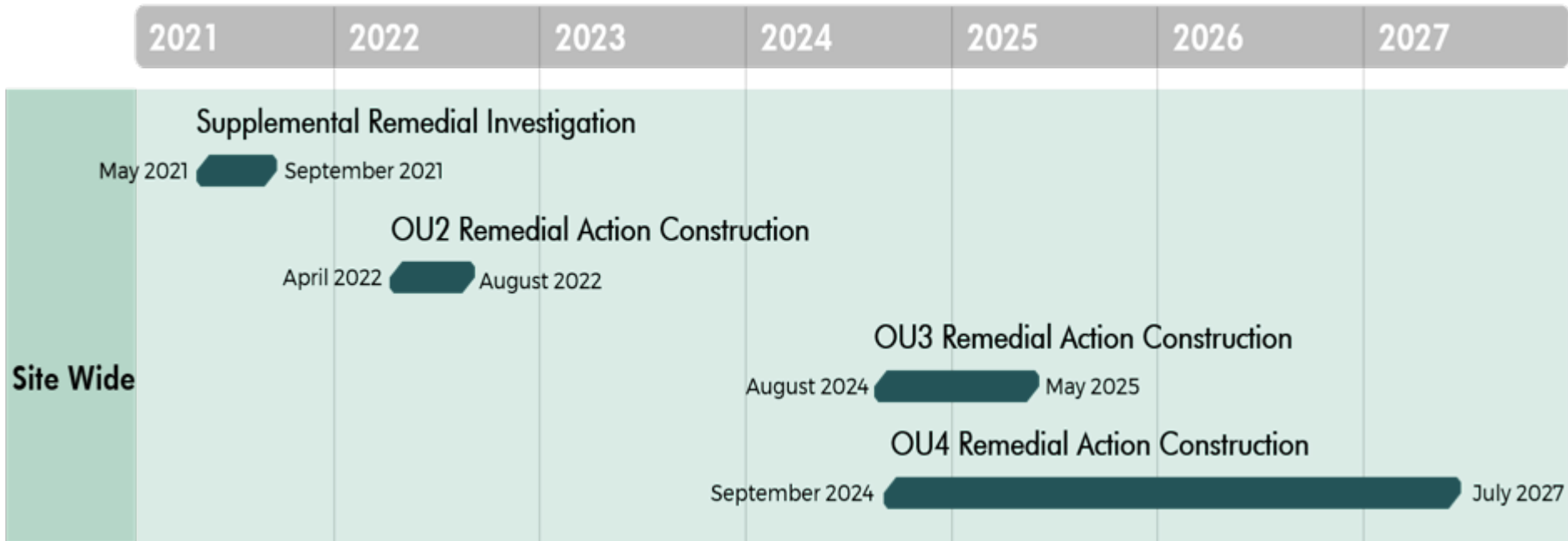
### Anticipated Future Work

- ✓ Prepare Supplemental Remedial Investigation Report (2022)
- ✓ Conduct ongoing biannual groundwater monitoring (2021+)
- ✓ Prepare OU5 Feasibility Study\*
- ✓ Prepare OU5 Proposed Plan and ROD\*
- ✓ Initiate OU5 Remedial Action\*

*\* Timing depends on the remedy selected for Operable Unit 4*



# Site Wide Anticipated Timeline



- ✓ Multistate Trust's anticipated timeline is subject to change and is based on current project estimates. The dates may be adjusted based on when written approvals and decision documents are issued by EPA.
- ✓ Timeline for OU5 (groundwater) remedial action depends on remedy selected for OU4 (Pond and Process Areas)



# Community Engagement Contracting Strategy Redevelopment Planning

Claire Woods  
Multistate Trust





# Multistate Trust Mission

- ✓ Protect human health and environment
- ✓ Fulfill fiduciary duty to beneficiaries
- ✓ Implement Environmental Actions in compliance with all applicable laws and regulations
- ✓ Ensure stakeholders are informed of plans
- ✓ Provide a positive contribution to the community
- ✓ Create local jobs during construction phase
- ✓ Transfer a portion of Multistate Trust property to Town of Navassa to support Moze Heritage Center and Nature Park, subject to Beneficiary approval
- ✓ Restore remainder of Property to beneficial uses, including possible new owner(s) that will create jobs and provide services to community



# The Multistate Trust's Commitment to Environmental Justice

- ✓ The Multistate Trust strives to engage community members, address legacy contamination, and facilitate redevelopment, with transparency, to support environmental and economic growth in Navassa
- ✓ Multistate Trust goals:
  - Share and seek input from community members
  - Address contamination at Site in compliance with legal requirements
  - Fulfill prime and sub-contracting needs by hiring locally, wherever possible
  - Facilitate safe Site reuses supported by Town and community
- ✓ Multistate Trust welcomes ideas about how to work with Navassa community members and stakeholders, in a way that is consistent with environmental justice principles



# Community Engagement

- ✓ Resume in-person quarterly public meetings, availability sessions, workshops, and other community engagement events



- ✓ Continue to meet with community members and other stakeholders, and follow up on concerns about transparency
- ✓ What does community engagement mean to YOU?

# New Website for Navassa Kerr-McGee Site



Visit [navassa.greenfieldenvironmental.com](http://navassa.greenfieldenvironmental.com)



# Contracting Strategy

The Multistate Trust's goal is to hire prime and subcontractors from Navassa and surrounding region, wherever possible. We seek your input on the following hiring objectives:

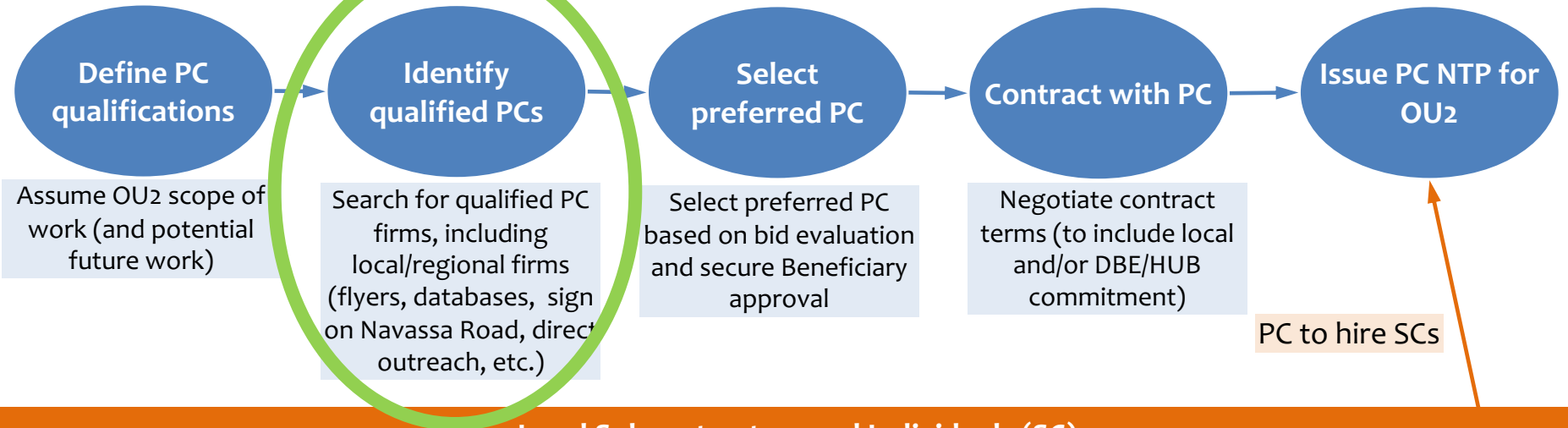
- ✓ Identify and communicate prime and subcontractor needs and timing
- ✓ Search for and assess interest, qualifications, availability, and capacity of local prime and subcontractors (newspaper notices, database searches, physical sign, flyers, direct outreach, word of mouth, etc.)
- ✓ Invite prime contractors to submit bids on publicly available bid request, providing equal access to bid information and equal opportunity for all contractors interested in bidding
- ✓ Evaluate prime alternatives based on transparent bid evaluation factors
- ✓ To extent possible, offer flexibility in prime-contracting terms for smaller, local prime contractors and, even if preferred prime contractor is not local, encourage prime to consider local subcontractors in hiring process
- ✓ Offer mentorship and training prime and subcontractors (e.g. potential for Superfund Job Training Initiative and/or OSHA HAZWOPER training)



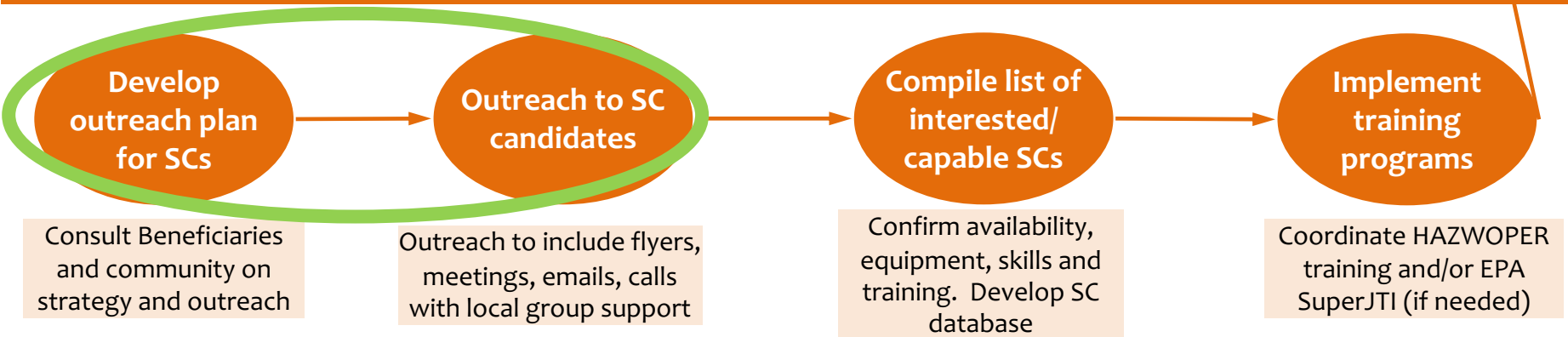
# Contracting Strategy

## Parallel Prime and Subcontracting

### Local/Regional Prime Contractor (PC)



### Local Subcontractors and Individuals (SC)



# Contracting Strategy

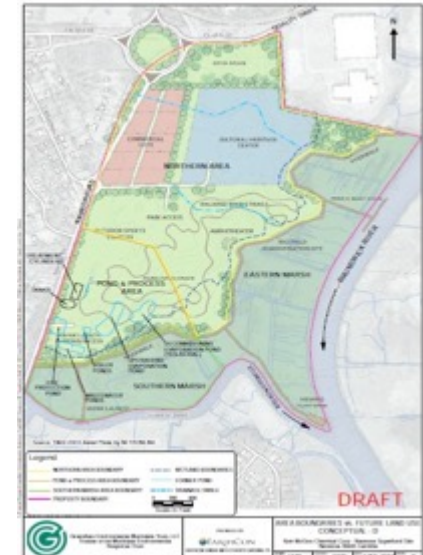
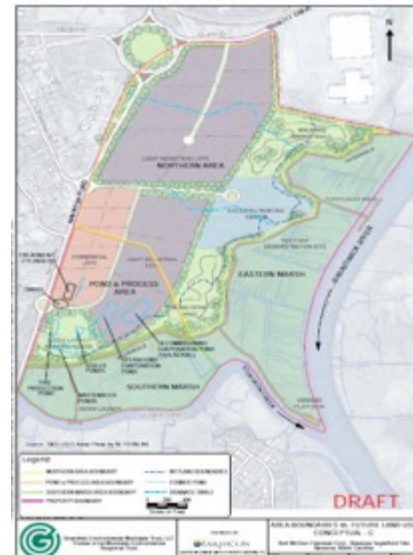
## OU2 Work

- ✓ Expect OU2 remedy (being developed) to include excavation of impacted soil
- ✓ Plan to retain prime contractor to manage the project and hire local subcontractors (to greatest extent possible)
- ✓ Expect subcontractor expertise in:
  - Pre- and post-construction surveys
  - Forestry and logging support
  - Clearing, excavation, backfill and grading
  - Trucking and hauling
  - Traffic control and security
- ✓ If needed, work with EPA to potentially hold a Super JTI training, or with Brunswick Community College to potentially hold an OSHA HAZWOPER training in 2022
- ✓ Expect field work to begin in Spring 2022
- ✓ Please attend contractor information session **tomorrow, Wednesday, June 23, 2021, at noon** for more information about potential contracting opportunities



# Property Sale and Redevelopment Strategy

- ✓ Target early redevelopment of OU1 and Eastern Upland Area
- ✓ Approach marketing with transparency and public access to property information as part of bidding process
  - Request proposals with publicly available scoring criteria and reuse requirements, including Moze Center and public access to river
  - Preferred bidder(s) must be approved by Beneficiaries
- ✓ Continued engagement with Town and community stakeholders
- ✓ Build on four concepts from Redevelopment Planning Initiative, balancing reuse goals (job creation, cultural heritage, recreation space, commercial/light industrial, etc.)





# Moze Heritage Center & Canal Drive Access



## Moze Heritage Center and Nature Park

- ✓ Walking trails, river access, and permanent conservation
- ✓ Gullah Geechee cultural history and natural resource and education center
- ✓ Multistate Trust committed to donating ±20 acres to Town of Navassa
- ✓ Exact location of Moze Center and trails to be determined

## Canal Drive Access

- ✓ Multistate Trust committed to ensuring public access to the Brunswick River and Sturgeon Creek (Canal Drive Agreement)

# Questions and Discussion



# Contact Information

- ✓ Erik Spalvins, EPA Remedial Project Manager
  - (404) 562-8938, [spalvins.erik@epa.gov](mailto:spalvins.erik@epa.gov)
- ✓ Tonya Spencer-Harvey, EPA Community Involvement Coordinator
  - (678-575-8145), [spencer.latonya@epa.gov](mailto:spencer.latonya@epa.gov)
- ✓ David Mattison, NCDEQ Superfund Section Project Manager
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- ✓ Cindy Brooks, Multistate Trust Managing Principal
  - (617) 448-9762, [cb@g-etg.com](mailto:cb@g-etg.com)
- ✓ Richard Elliott, Multistate Trust Project Manager
  - (617) 953-1154, [re@g-etg.com](mailto:re@g-etg.com)
- ✓ Claire Woods, Multistate Trust Director of Environmental Justice
  - (323) 204-6943, [cw@g-etg.com](mailto:cw@g-etg.com)

