

# **Kerr-McGee Chemical Corp. Navassa Superfund Site**

## **Community Meeting March 4, 2025**

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



# Meeting Agenda

- ✓ **Welcome and Introductions**
- ✓ **OU2 Remedial Action (RA) Update**
- ✓ **OU3/OU4/OU5 Investigation Update**
- ✓ **Upcoming OU4 Feasibility Study and Proposed Plan**
- ✓ **Moze Land Donation Update**

# Welcome and Introductions

Zariah Lewis, EPA



# 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)
- ✓ Natural Resource Trustees
- ✓ Navassa Town Officials
- ✓ 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)

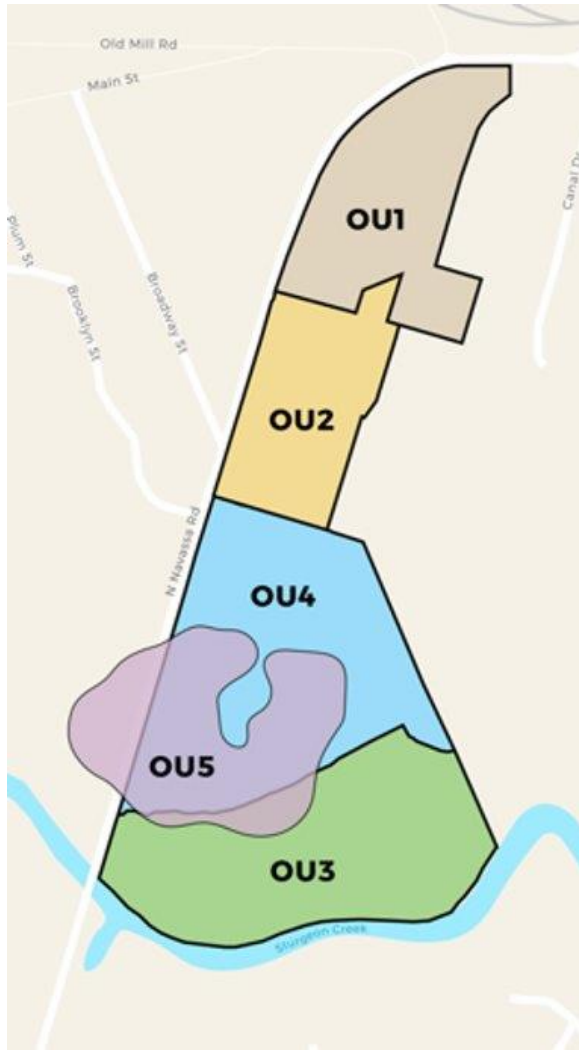


# OU2 Remedial Action (RA) Update

Ngozi Ibe, Multistate Trust



# Site Map and Operable Units (OUs)



- ✓ OU1 - Untreated wood storage area
  - ±20 acres
  - Deleted from NPL
- ✓ OU2 - Treated and untreated wood storage area
  - ±16 acres
- ✓ OU3 - Southern Marsh
  - ±30 acres
- ✓ OU4 - Pond and process area
  - ±32 acres
- ✓ OU5 - Groundwater

## ✓ OU2 Remedy Overview

- OU2 ROD: <https://semspub.epa.gov/work/04/11138479.pdf>





# OU2 RA Update

## ✓ Work completed in December 2024:

- Hauled wood, other debris off-site for disposal
- Performed additional hydroseeding and watering of excavated parcels
- Disposed of tank and tank fluids off-site



*Tank containing fluids found below surface*



*Contractor watering Parcel SS-117*



*Rail ties and treated wood*



*Tires*



# OU2 RA Update

- ✓ **Work completed in December 2024 (contd.):**
  - Installed temporary covers on staging piles
  - Continue to inspect staging piles and implement erosion and sediment control measures (ongoing)



Former Fire Pond Soil (FFPP) Stockpile

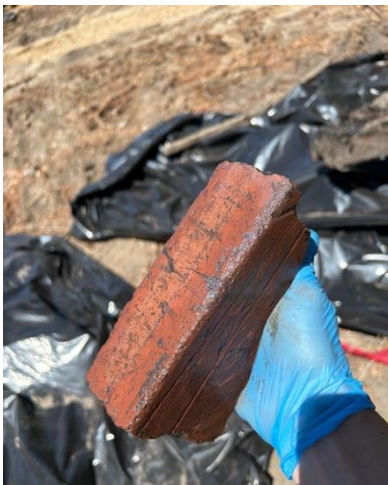


TB Soil Stockpile

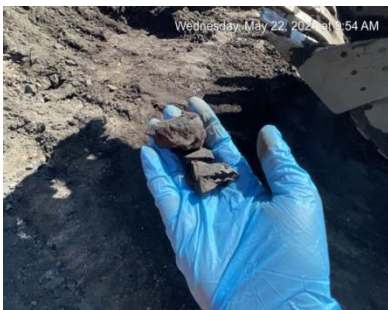


# OU2 RA Update

**Challenge:** Unexpected Site conditions encountered during excavation



*Brick with oily sheen*



*Visibly contaminated material*



*Tank containing fluids found below surface*



*Unanticipated treated timbers*



# OU2 RA Update

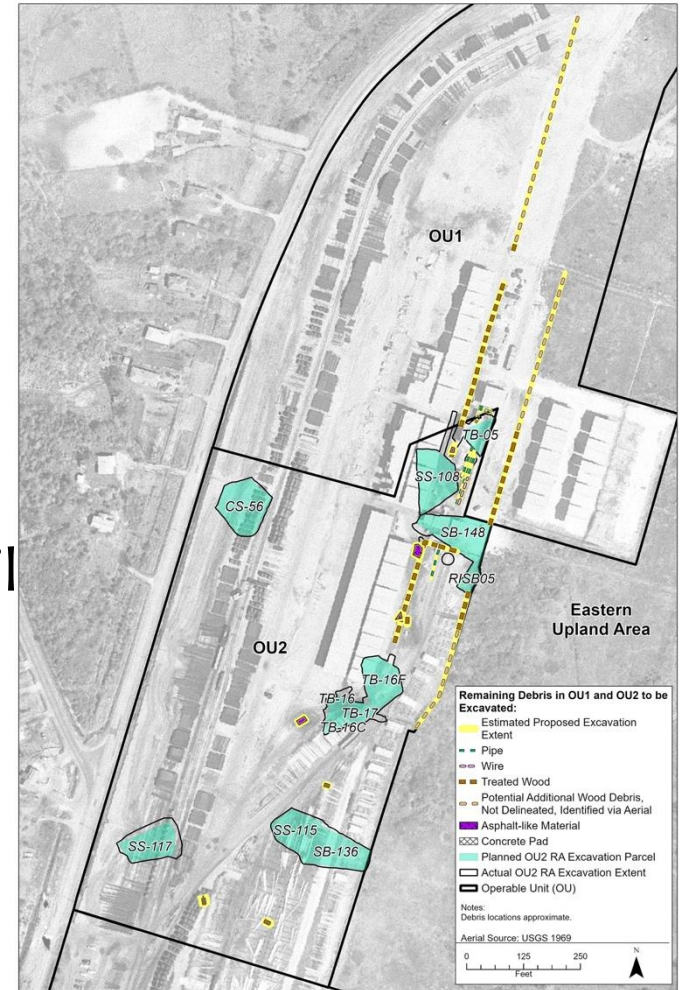
- ✓ Dug trenches and sampled to investigate debris found outside of planned excavation areas
- ✓ Found treated wood, metal pipe, and wire debris in trenches in OU2 and OU1
- ✓ Some soil next to treated wood had contaminant concentrations higher than cleanup levels
- ✓ Excavation starting in summer 2025 to remove remaining debris and adjacent contaminated soil



# OU2 RA Update

## ✓ OU2 RA Work planned for Summer 2025:

- Mobilize equipment and materials
- Place erosion and sediment controls and clear vegetation
- Excavate and remove debris and soil
- Dispose of debris off-site, manage soil in staging pile
- Backfill excavated trenches
- Place permanent cover over staging piles
- Inspect and demobilize



*Extent of Debris excavation in OU1 and OU2*

# OU3/OU4/OU5 Investigation Update

Ngozi Ibe, Multistate Trust





# OU3/OU4/OU5 Investigation Update

- ✓ To supplement existing data characterizing soil, DNAPL, groundwater, and marsh
- ✓ Identify data gaps and develop data quality objectives (DQOs) to:
  - OU3 – Characterize marsh sediment contamination in OU3
  - OU4 – Further understand soil and DNAPL contamination in OU4
  - OU5 – Evaluate aquifer characteristics and refine understanding of groundwater contamination in OU5



Groundwater Flow Evaluation



# Sitewide Supplemental Investigation

## ✓ Fall/Winter 2024:

- Continued preparation of report
- Conducted semiannual groundwater monitoring
- Prepared groundwater monitoring report

## ✓ Spring/Summer 2025:

- Conduct semiannual groundwater monitoring



*Monitoring well measurements during semiannual groundwater sampling*

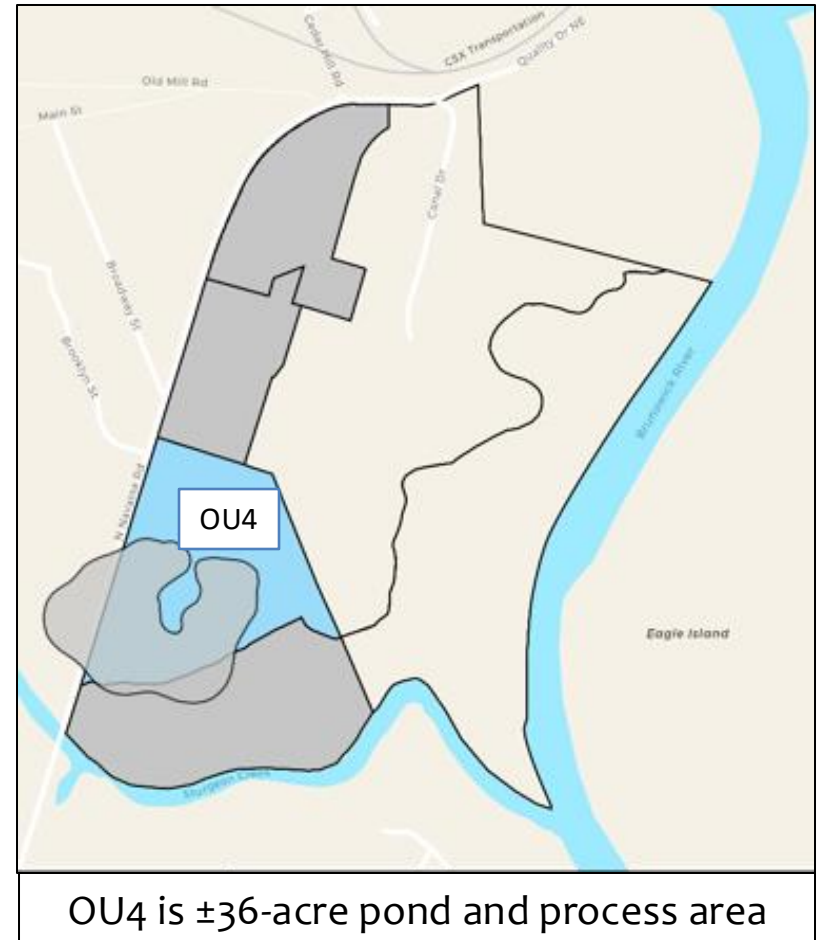
# Upcoming OU4 Feasibility Study and Proposed Plan

Erik Spalvins, EPA



# Upcoming OU4 Feasibility Study

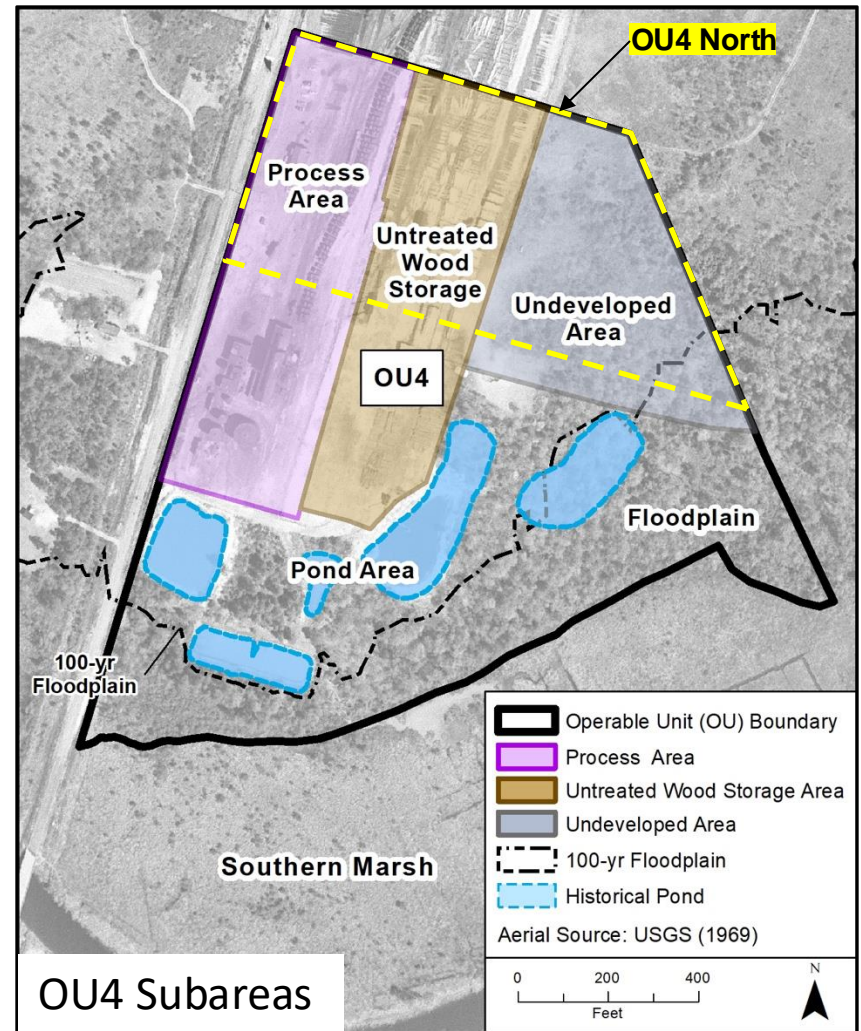
- ✓ EPA expects to issue focused feasibility study (FFS) for northern portion of OU4 in March 2025
- ✓ OU4 North FFS will evaluate remedial alternatives for addressing contamination
- ✓ OU4 North FFS will cover:
  - OU2 soils stockpiled in OU4
  - OU4 surface soils
  - OU4 soils generated by investigation or remedial action





# Upcoming OU4 Proposed Plan

- ✓ Proposed Plan will propose remedy for ***northern portion*** of OU4
- ✓ Expected to be issued in May 2025
- ✓ EPA will seek public review and comment
- ✓ Public meeting tentatively planned for June 2025

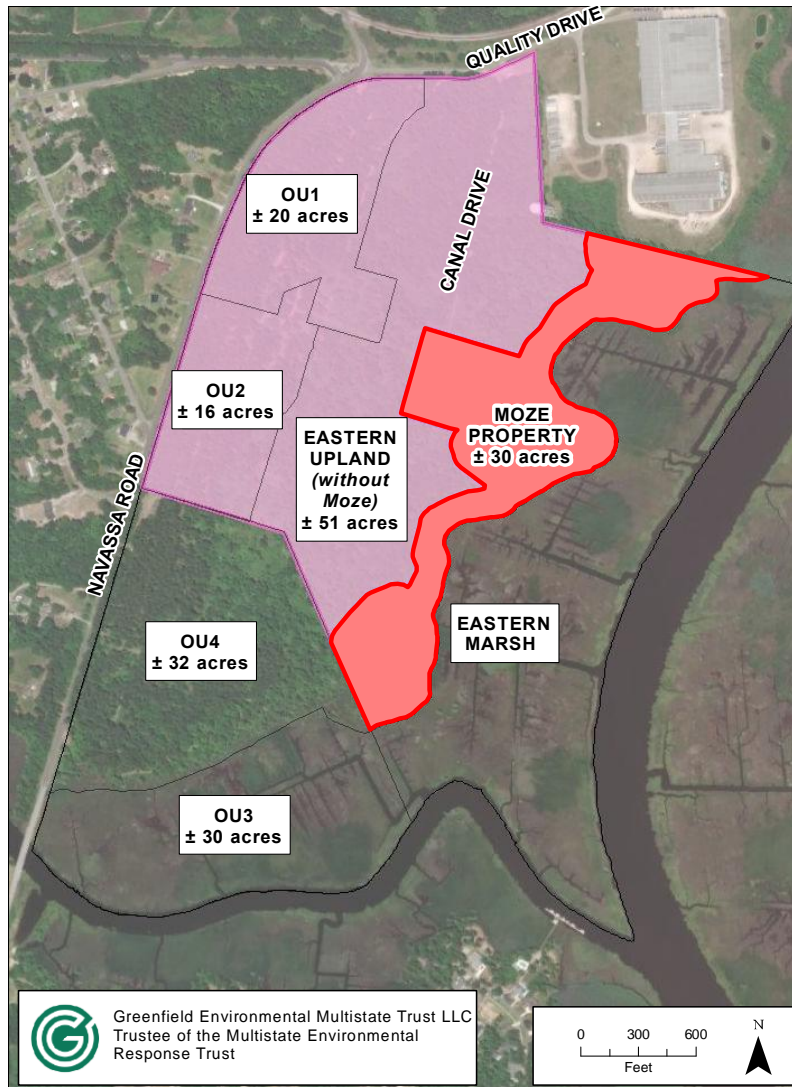


# Moze Land Donation

Claire Woods, Multistate Trust



# Moze Land Donation



- ✓ Multistate Trust to donate ±30 acres to Town of Navassa for Moze Center and Restoration Project
- ✓ Conservation easement (CE) will apply to ensure perpetual dedication to conservation and public use
- ✓ Multistate Trust negotiating CE with North Carolina Coastal Land Trust (NCCLT)
- ✓ Next step is to provide draft CE to Town
- ✓ To support CE, NCCLT is conducting:
  - Baseline Report
  - Phase I environmental assessment
- ✓ Town officials visited property with engineering firm to support conceptual design for Moze Center

***Land donation and conservation easement are subject to final review and approval by Beneficiaries***



# Resources

- ✓ **EPA Site Profile page:**  
<https://www.epa.gov/superfund/kerr-mcgee-chemical-corp>
- ✓ **EPA Information Repository Administrative Record:\***  
<https://semspub.epa.gov/src/collections/04/AR/NCD980557805>
- ✓ **Multistate Trust website:** <https://navassa.greenfieldenvironmental.com/>
- ✓ **NOAA Kerr-McGee NRDA case webpage:**  
<https://darrp.noaa.gov/hazardous-waste/kerr-mcgee-chemical-corp-tronox>
- ✓ **Navassa Community Center**
- ✓ **Leland Public Library**

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



# Contact Information

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# Questions and Discussion

Next Meeting Proposed: Summer 2025

