

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

**Quarterly Public Update  
March 23, 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**
- ✓ **Operable Unit 1 (OU1) Update**
- ✓ **Recent Work Progress**
- ✓ **2021 Upcoming Work Plans**
- ✓ **Questions and Discussion**



# Introductions

**Tonya Spencer-Harvey, EPA**



# Introductions

- ✓ **Navassa 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 Council**
- ✓ **Navassa Community Environmental and Economic Redevelopment Corporation (NCEERC)**
- ✓ **Navassa Trustee Council – Natural Resource Damage (NRD) Restoration**
- ✓ **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) – College / Underserved Community Partnership Program (CUPP)



# EPA Information Repository

Navassa Community Center,  
Leland Public Library and

Online at

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

*(EPA Region 4, Superfund Records Center, Atlanta, GA, closed due to COVID-19)*

## Public Meetings Every Quarter

Next Meeting **June 22, 2021??**



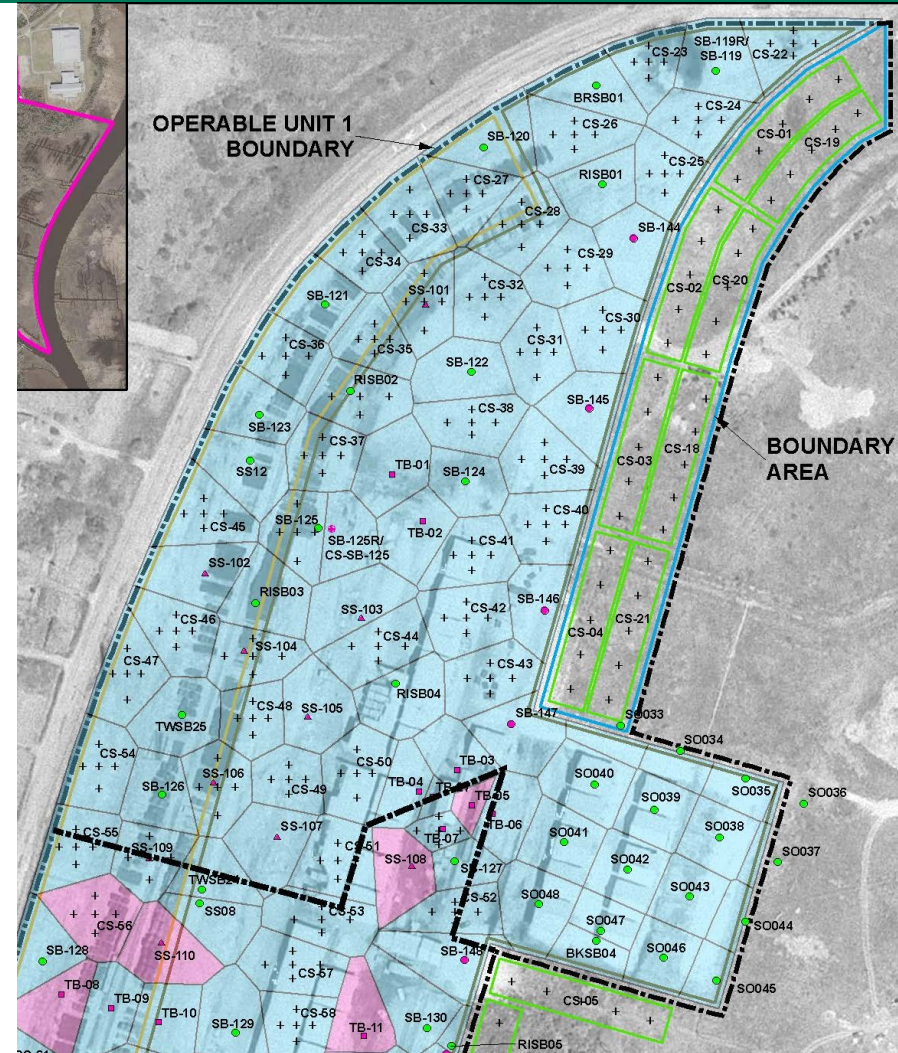
# Operable Unit 1 (OU1) Update

Erik Spalvins, EPA



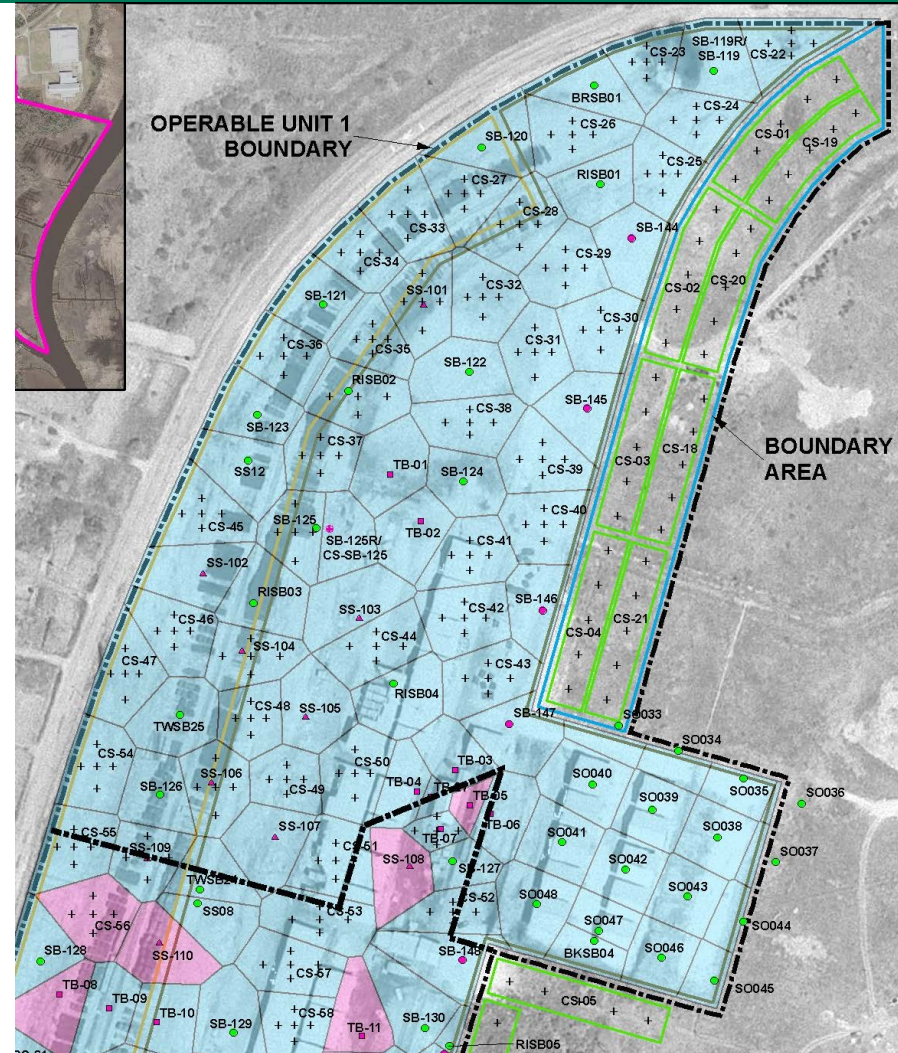
# OU1 Update – Proposed Plan

- ✓ January 8, 2021 - The January 2021 *Proposed Plan* and Administrative Record distributed by email, with a public comment period ending February 26, 2021.
- ✓ January 13, 2021 - Pre-recorded video of the Proposed Plan presentation.
- ✓ January 27, 2021 - Formal notice was published in the Brunswick Beacon.
- ✓ January 28, 2021 - Virtual public meeting. About 35 individuals participated.



# OU1 Update – ROD

- ✓ EPA is finalizing the Record of Decision (ROD) for OU1.
- ✓ EPA will pursue Partial Deletion of OU1 from the National Priorities List (NPL) as soon as possible.
- ✓ There will be a public comment period for the proposed partial deletion.





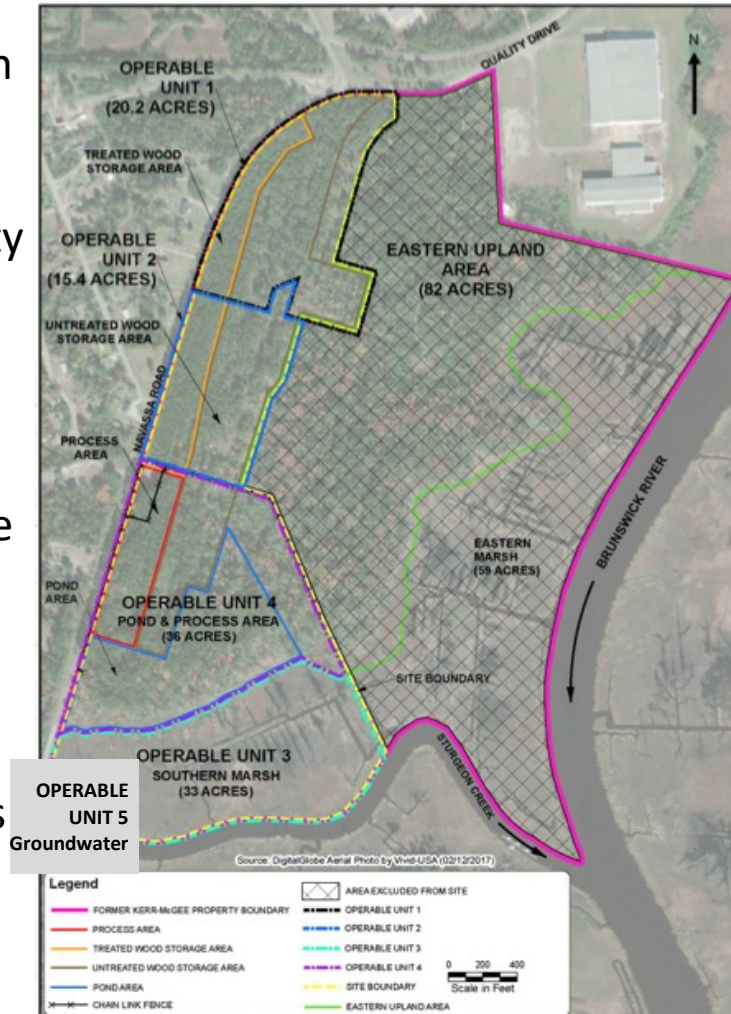
# Recent Work Progress

Todd Martin, Multistate Trust



# Site Overview

- ✓ Protect human health and the environment
- ✓ Exercise fiduciary duty to beneficiaries
- ✓ Execute Environmental Actions in compliance with all applicable laws and regulations
- ✓ Ensure stakeholders are informed of plans and actions



- ✓ Provide a positive contribution to the community
- ✓ Create local jobs during remedial actions
- ✓ Transfer a portion of the Property to the Town of Navassa to support the Moze Heritage Center and Nature Park
- ✓ Transfer remainder of Property to new owner(s) that will provide jobs and services to the community

# Recent Work Progress

## OU1 Treated and Untreated Wood Storage Areas

- ✓ EPA is finalizing ROD.
- ✓ EPA will pursue a partial deletion of OU1 from the NPL.

## OU2 (the portion of Treated and Untreated Wood Storage Areas requiring remedial action)

- ✓ Completed laboratory analyses and data validation for soil and soil invertebrate samples collected to support the human health and ecological risk assessments.
- ✓ Completed the draft human health and ecological risk evaluations, which are currently in review by EPA and NCDEQ.
  - ✓ The risk evaluations consider a range of potential future land uses, including the commercial, professional services and recreational development possibilities that were identified as potential future land uses for OU2 in the Town of Navassa's Oct. 15, 2020 Position Letter.
- ✓ Currently preparing a Feasibility Study to evaluate remedial alternatives to address any unacceptable risks associated with each potential future land use.

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



Collecting soil and soil invertebrate samples in OU2

# Recent Work Progress (Continued)

## OU3 Southern Marsh

- ✓ Completed the laboratory analyses and data validation for sediment pore water, sediment and surface water samples collected during the 2020 field program.
- ✓ Currently preparing an updated conceptual site model (CSM) for the Southern Marsh, in collaboration with EPA and NCDEQ.
- ✓ Currently preparing an addendum to the Baseline Ecological Risk Assessment (BERA) which will summarize the results of the 2020 field program and will present an updated, comprehensive assessment of potential ecological risk in the Southern Marsh.



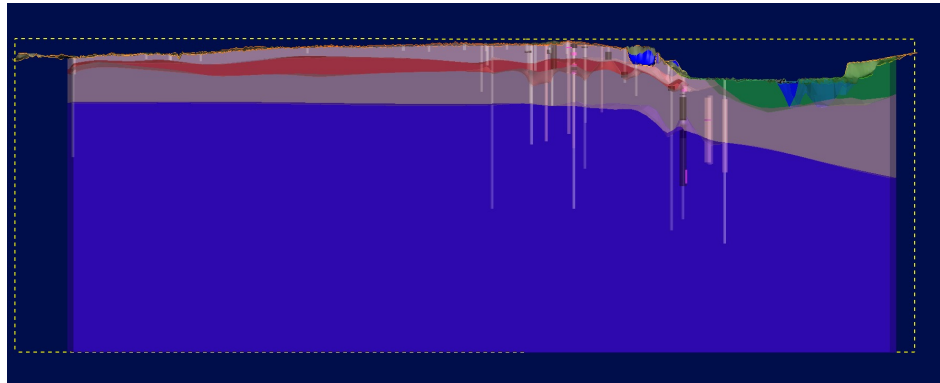
Collection of sediment pore water, sediment and surface water samples in OU3

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

# Recent Work Progress (Continued)

## OU4 Pond and Process Area

- ✓ Developed the approach for soil sampling to evaluate potential human and ecological risk associated with surface soils and drafted a soil sampling work plan that is currently under review by EPA and NCDEQ.
- ✓ Developed a three-dimensional model of site geology and subsurface contaminant impacts to support a detailed evaluation of data needs to characterize nature and extent of contamination and to support the screening evaluation of remediation technologies during the Feasibility Study.
- ✓ Currently developing data quality objectives that will guide the development of a subsurface soil and groundwater sampling work plan to improve understanding of subsurface geology and aquifer geotechnical parameters to support the Feasibility Study.



3-D model of Site geology and subsurface contamination impacts

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

# Recent Work Progress (Continued)

## OU5 Groundwater

- ✓ Prepared reports summarizing the results of groundwater monitoring well sampling events completed in 2020. The reports will be part of the public record following approval from EPA and NCDEQ.

## Property Management and Disposition

- ✓ Continuing to provide oversight of installation of Brunswick County Wastewater Treatment Plant force main.



Brunswick County contractor installing Wastewater Treatment Plant Force Main

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

# 2021 Upcoming Work Plans

Richard Elliott, Multistate Trust



# 2021 Upcoming Work Plans

## **OU1 Treated and Untreated Wood Storage Areas**

- ✓ EPA will approve Record of Decision (ROD)
- ✓ EPA will achieve partial deletion of OU1 from the National Priorities List

## **OU2 (the portion of Treated and Untreated Wood Storage Areas requiring remedial action)**

- ✓ Finalize the human health and ecological risk evaluations
- ✓ Conduct Feasibility Study to determine recommended Remedial Action
- ✓ Support EPA Proposed Plan and ROD activities
- ✓ Complete Remedial Design and initiate Remedial Action

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





# 2021 Upcoming Work Plans (Continued)

## OU3 Southern Marsh

- ✓ Complete the Addendum to the BERA
- ✓ Revise the Conceptual Site Model (CSM) for the Southern Marsh
- ✓ Initiate the OU3 Feasibility Study

## OU4 Pond and Process Area

- ✓ Conduct soil sampling to support Human Health and Ecological Risk Assessments
- ✓ Complete the Human Health and Ecological Risk Assessments
- ✓ Conduct Supplemental Remedial Investigation to improve understanding of nature and extent of subsurface contamination, geology, and aquifer parameters to support the OU4 Feasibility Study

## OU5 Groundwater

- ✓ Conduct two groundwater monitoring well sampling events
- ✓ Conduct Supplemental Remedial Investigation to evaluate the interaction of contaminated groundwater plume with the Southern Marsh

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



# 2021 Upcoming Work Plans (Continued)

## Property Management and Disposition

- ✓ Complete oversight of installation of Brunswick County Wastewater Treatment Plant Force Main
- ✓ Continue working with the Town of Navassa and the N.C. Coastal Land Trust on potential property conveyance and long-term stewardship (for the proposed Moze Heritage Center and Nature Park)
- ✓ Prepare to identify purchaser(s) to develop a portion of the property to create jobs and expand tax base

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



# Questions and Discussion



# Contact Information

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