

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

**Quarterly Public Update  
December 15, 2020**

**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**
- ✓ **OU1 Proposed Plan Update**
- ✓ **Work Progress in 2020**
- ✓ **Work Plans for 2021**
- ✓ **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

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 **March 23, 2021??**



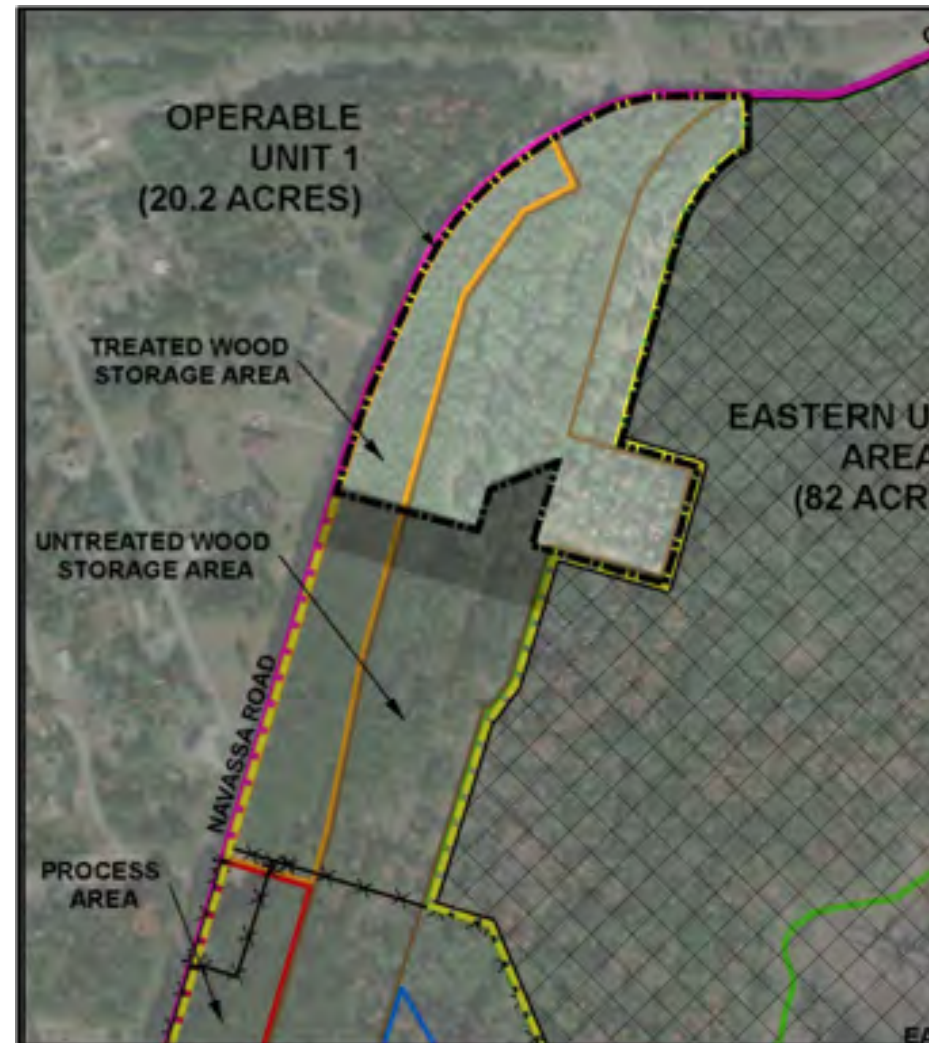
# OU1 Proposed Plan Update

Erik Spalvins, EPA



# Operable Unit 1 (OU1) Proposed Plan Update

- ✓ EPA released the Proposed Plan for (OU1) on October 9, 2019.
- ✓ Proposed Plan identified a No Action Remedy as the Preferred Alternative for a 21.6-acre area based on industrial, commercial and recreational land use.
- ✓ During the comment period, EPA received requests from Mayor Willis and the public to change the anticipated land use.
- ✓ The Navassa Town Council voted, on February 24, 2020, to clarify their position on land uses for OU1.
- ✓ Town Council provided a “Letter of Position” on March 10, 2020, stating that the Town Council would like to pursue redevelopment scenarios in OU1 that would include residential uses.

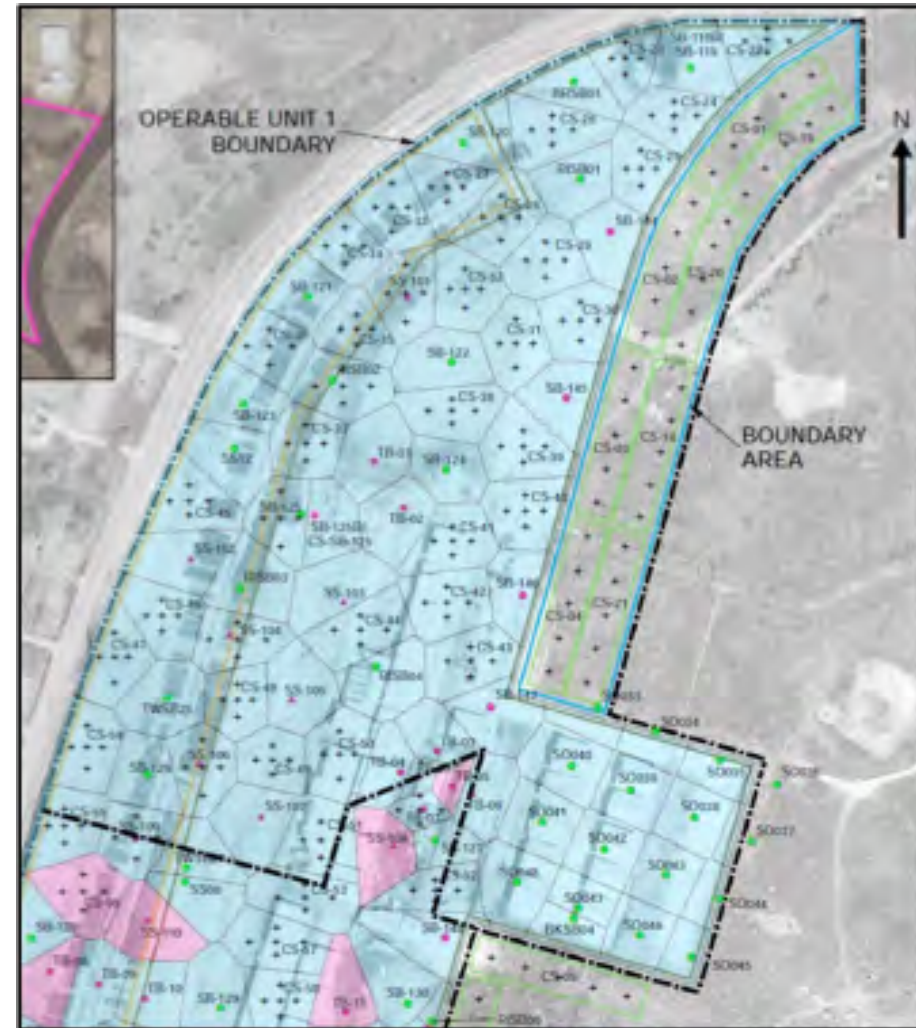


# OU1 Proposed Plan Update (Continued)

- ✓ EPA and NCDEQ decided to reevaluate OU1 for residential land use and requested additional sampling.
- ✓ The Multistate Trust conducted a sampling program in August 2020 to evaluate risks based on unrestricted residential land use.
- ✓ The results were summarized in the *OU1 Soil Sampling Technical Memorandum – Residential Criteria Area Delineation*.
- ✓ 20.2 acres meet residential criteria.

Tech memo posted online:

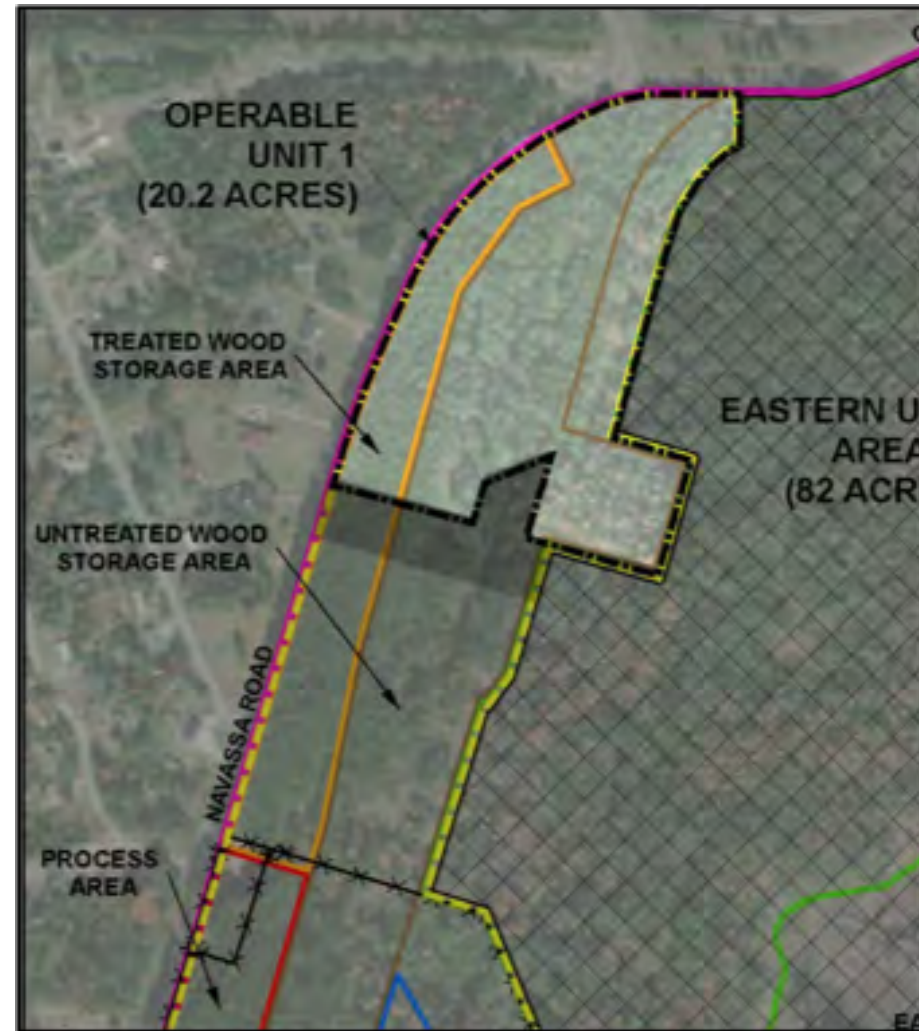
<https://semspub.epa.gov/work/04/11145178.pdf>





# OU1 Proposed Plan Update (Continued)

- ✓ EPA will issue a new OU1 Proposed Plan in 2021 that addresses a smaller, 20.2-acre OU1 area.
- ✓ Will replace the 2019 Proposed Plan.
- ✓ 20.2 acres currently meet EPA residential criteria and NCDEQ residential or unrestricted use criteria under North Carolina General Statutes § 143B-279.9(b)(1).
- ✓ Requires no institutional controls.
- ✓ After the Record of Decision for OU1 is signed, EPA will pursue deletion of OU1 from the National Priorities List, as soon as September 2021.



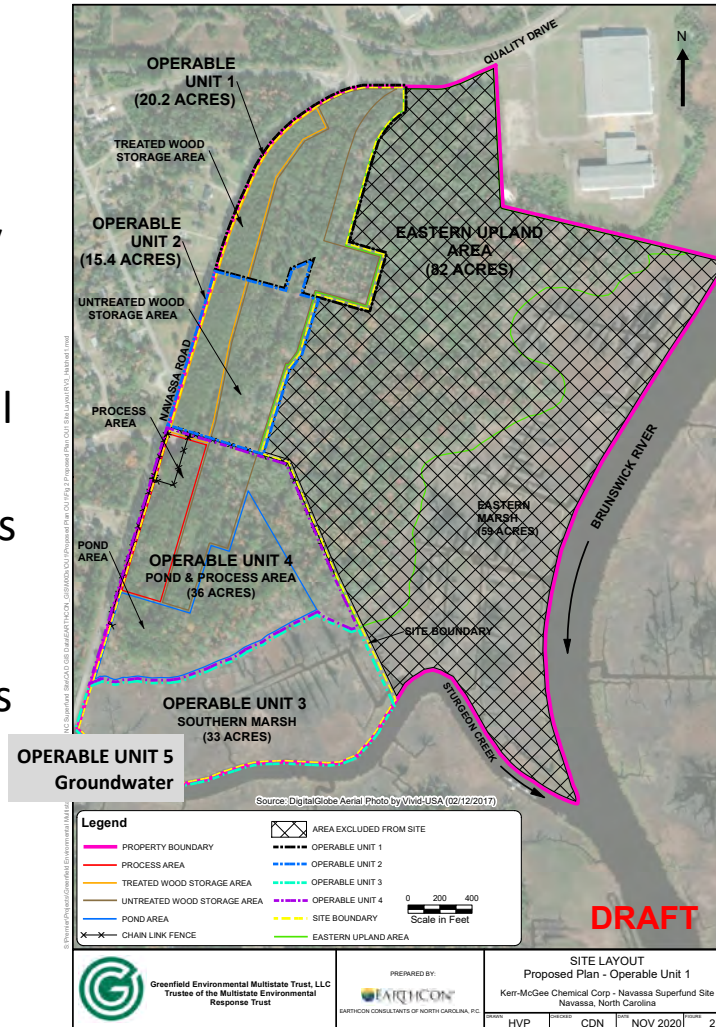
# Work Progress in 2020

Richard Elliott,  
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 all stakeholders are informed of plans and actions



- ✓ Provide a positive contribution to the community
- ✓ Local jobs during remedial actions
- ✓ Transfer Property to the Town of Navassa to support the Moze Heritage Center
- ✓ Transfer Property to new owner that will provide jobs and services to the community



# Work Progress in 2020

## **OU1/OU2 Treated and Untreated Wood Storage Areas**

- ✓ Completed soil sampling field work, data analysis and risk assessment evaluation to meet EPA and NCDEQ criteria for residential or unrestricted use with no institutional controls.
- ✓ Documented the sampling data and results of the analysis and risk assessment evaluation in the *OU1 Soil Sampling Technical Memo – Residential Criteria Area Delineation*, which was shared with the Navassa Town Council and Navassa Community Economic and Environmental Redevelopment Corporation and is a key document supporting the OU1 Proposed Plan.

## **OU2 (the portion of Treated and Untreated Wood Storage Areas requiring remedial action to meet residential or unrestricted use criteria)**

- ✓ Completed soil sampling and soil invertebrate field work (to evaluate ecological risk).
- ✓ Currently conducting an ecological risk analysis and planning to update the Baseline Ecological Risk Assessment (BERA) in 2021.
- ✓ OU2 soil invertebrate and soil data are being evaluated and will be documented in Technical Memoranda. The Technical Memo will provide support for the OU2 Proposed Plan in 2021.
- ✓ The Town of Navassa provided an Oct. 15, 2020 Position Letter on OU2 potential future land use; commercial, professional services and recreational development. The potential future land use will be used in the human health risk assessment.

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



# Work Progress in 2020 (Continued)

## **OU3 Southern Marsh**

- ✓ Conducted drone-based thermal imaging and multi-spectral vegetation imaging survey of marsh areas. The survey was used to define potential groundwater discharge to the Southern Marsh and to position Passive Diffusion Samplers (PDS).
- ✓ Completed PDS, sediment and surface water sampling field work. Samples have been analyzed in the lab. Data is being evaluated.
- ✓ An OU3 Pore Water, Sediment and Groundwater Technical Memo will summarize the findings and ecological risk assessment and will be the basis for the updated BERA in 2021.

## **OU4 Pond and Process Area**

- ✓ Conducted a review of existing data to identify data gaps.
- ✓ Developing the subsurface soil sampling Work Plan to improve understanding of subsurface geology and aquifer geotechnical parameters to support the Feasibility Study Remediation Alternatives Analysis.
- ✓ Conducting an ecological risk assessment, which will be documented in an OU4 Ecological Risk Technical Memo in 2021.

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



# Work Progress in 2020 (Continued)

## **OU5 Groundwater**

- ✓ Conducted groundwater monitoring well sampling events in August and November.
- ✓ Completed abandonment of six monitoring wells with a history of being below the contaminant detection limit and abandoned and replaced another monitoring well that appeared to be compromised.

## **Property Management and Disposition**

- ✓ Continued to provide oversight of installation of Brunswick County Wastewater Treatment Plant force main.
- ✓ Repaired a damaged section of fence along Navassa Road in November.
- ✓ Continue working with the Town of Navassa and the N.C. Coastal Land Trust on potential property conveyance and long-term stewardship of property primarily intended for use by the proposed Moze Heritage Center and Nature Park.
- ✓ An August 12, 2020 letter was sent to the Town of Navassa documenting the Multistate Trust's intent to convey property to the Town for the Moze project.

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



# 2021 Work Plans

Austin Hofmeister,  
Multistate Trust



# Key Activities 2021 Plan

- ✓ **OU1 Treated and Untreated Wood Storage Areas**
  - EPA will issue Proposed Plan and hold Public Comment Meeting
  - EPA will Approve Record of Decision
  
- ✓ **OU2 (the portion of Treated and Untreated Wood Storage Areas requiring remedial action to meet residential use criteria)**
  - Collect additional dioxin/furan data for Human Health and Ecological Risk Assessment (BERA)
  - Conduct ecological risk analysis and update the BERA
  - 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.*





# Key Activities 2021 Plan (Continued)

## ✓ **OU3 Southern Marsh**

- Conduct ecological risk analysis and update the BERA
- Collect geotechnical data and conduct marsh stability analysis
- Conduct Feasibility Study to determine recommended Remedial Action

## ✓ **OU4 Pond and Process Area**

- Conduct Supplemental Remedial Investigation to improve understanding of nature and extent of contamination and to better understand subsurface geology and aquifer geotechnical parameters

## ✓ **OU5 Groundwater**

- Conduct two groundwater monitoring well sampling events
- Install new monitoring wells in OU4 Area and the Southern Marsh to better delineate the contaminated groundwater plume

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



# Key Activities 2021 Plan (Continued)

## ✓ **Property Management and Disposition**

- Continue to provide 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 (primarily intended for use by proposed cultural center and nature park)
- Prepare to identify purchaser 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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