

Former Tronox/Kerr-McGee Facility

Community Update

Springfield, Missouri

March 14, 2024



Meeting Agenda

- ✓ Introductions and overview
- ✓ Environmental public health
- ✓ Ongoing and key environmental actions in 2024
- ✓ Community survey results and continued opportunities for input
- ✓ Q&A and drop-in session



Introductions and Overview



Introductions

- ✓ Missouri Department of Natural Resources (MoDNR)
- ✓ Missouri Department of Health and Senior Services (MDHSS)
- ✓ Multistate Environmental Response Trust (Multistate Trust)



Announcements

- ✓ Access agreements for properties along W High St between N Golden Ave and N Clifton Ave
- ✓ Multistate Trust Project Manager transition from Babs Garcia/Environmental Work Inc. (EWI) to Paul Dupre

Contact Information

Paul Dupre, Multistate Trust Project Manager

(303) 909-0551 PD@g-etg.com



The Tronox Tort Claims Trust

The Multistate Trust Cannot Pay Personal Injury or Property Damage Claims

The Multistate Trust was created to own and clean up contamination at many former Tronox/Kerr-McGee sites, including the Facility in Springfield.

Multistate Trust funds can be used **only** for cleanup, facility management, and property reuse planning activities.

Multistate Trust funds cannot be used to pay personal injury claims, such as health and medical bills, or property damage claims.

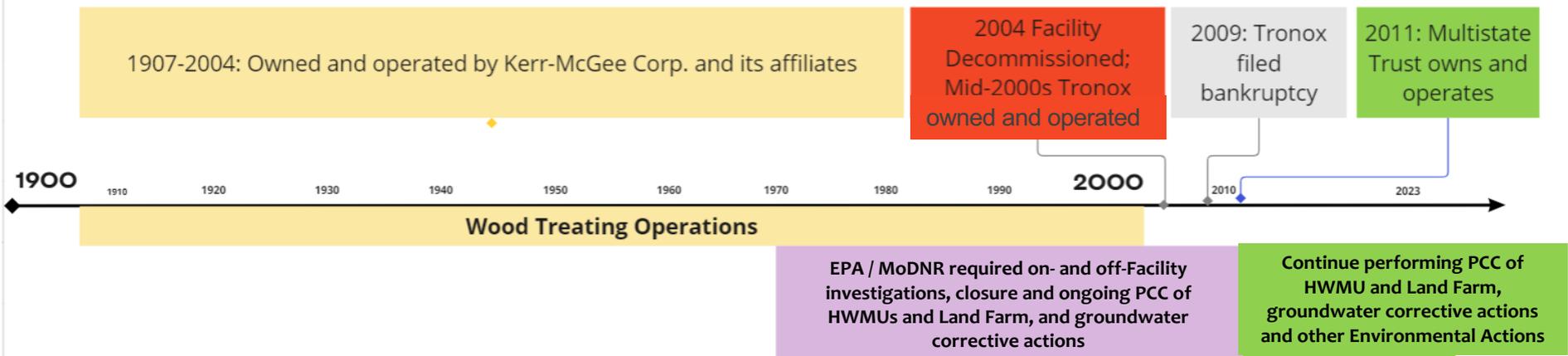
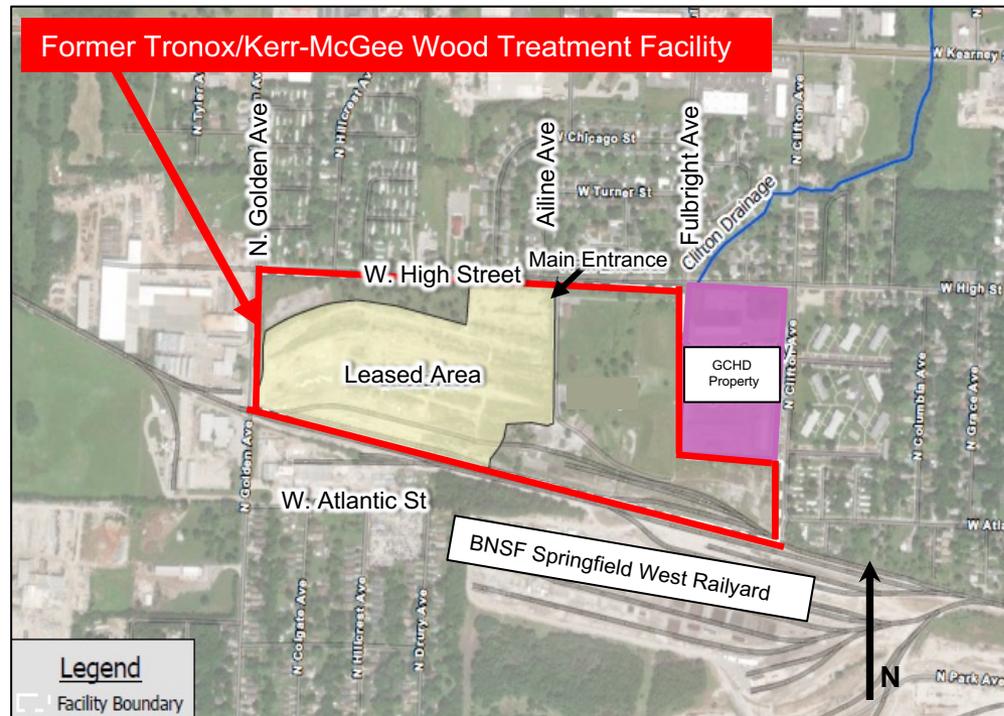
If you have questions about personal injury or property damage claims, you should contact the Tronox Tort Claims Trust at (800) 753-2480 or tronoxorttrust@epiglobal.com. Visit www.tronoxorttrust.com.

2022 Tort Trust Annual Report available here:

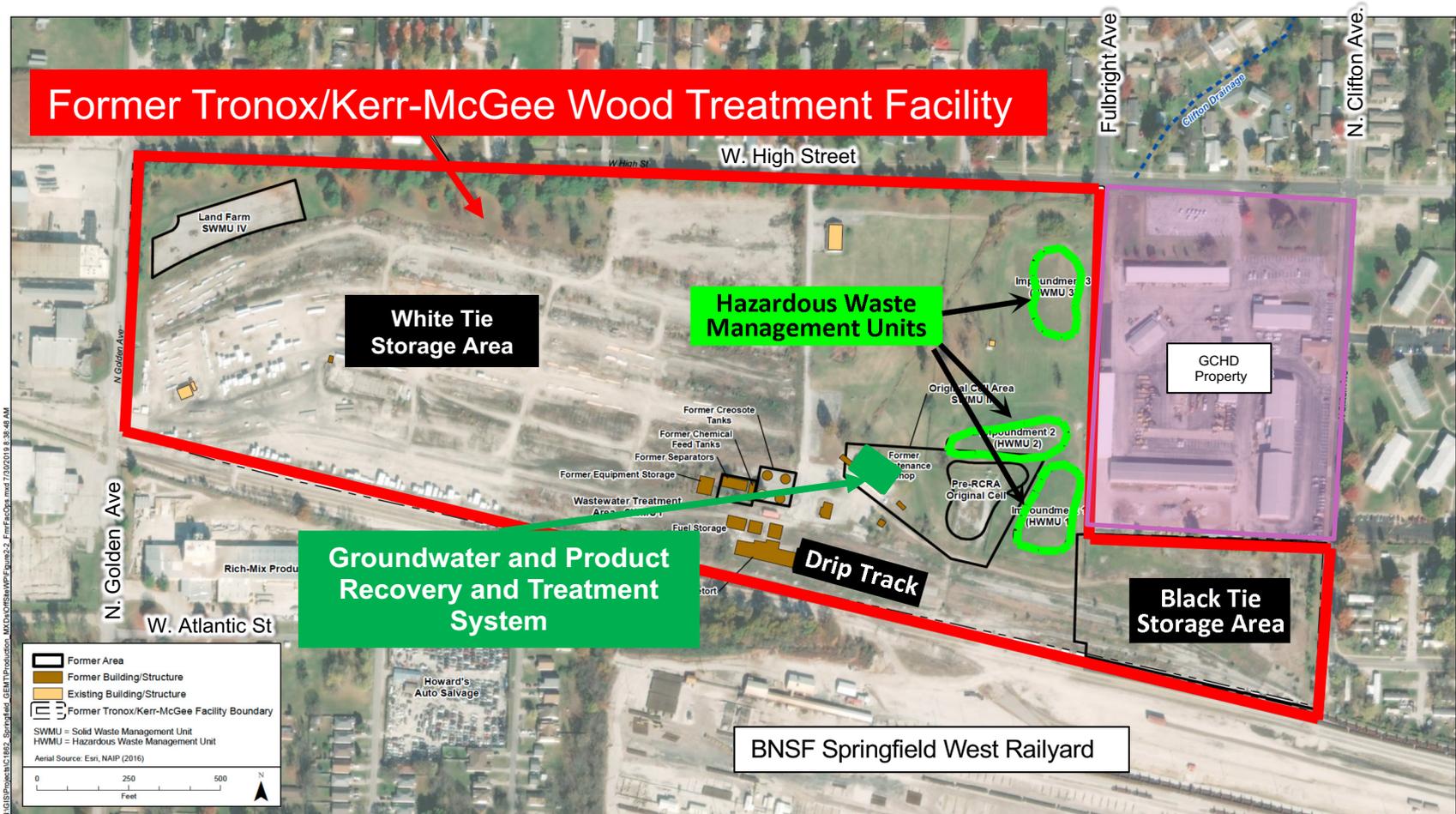
<http://www.tronoxorttrust.com/tronoxorttrust/Resources.html>

Facility Overview

- ✓ ± 68 acres
- ✓ Contaminants:
 - Volatile Organic Compounds (VOCs) (Benzene, Toluene, Ethylene, Xylenes)
 - Semivolatile Organic Compounds (SVOCs, including Naphthalene)
- ✓ Program: Resource Conservation and Recovery Act (RCRA) Post Closure Care (PCC)
- ✓ Lead Agency: Missouri Department Natural Resources (MoDNR)
- ✓ Permits:
 - Missouri Hazardous Waste Management Facility (MHWMF) Part I Permit (a/k/a RCRA Permit)
 - Missouri State Operating Permit (MSOP)
 - Wastewater Contribution Permit



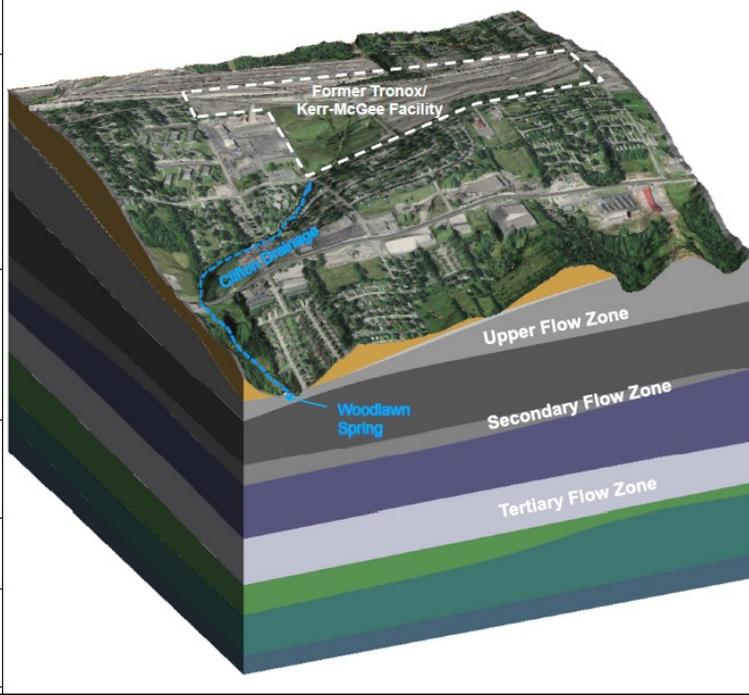
Historic Wood Treating Operations



Former Unlined Lagoons



Conceptual Site Model



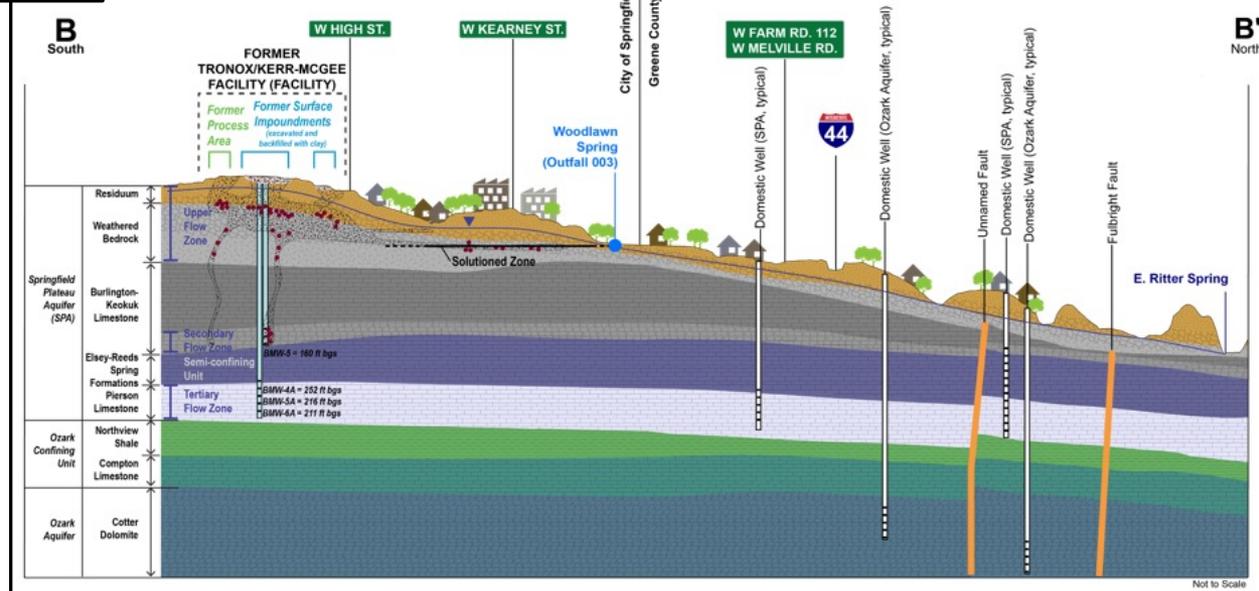
3-D Block Diagram showing regional geology



Approximately 0.5 miles

Regional Cross Section

From Facility (on the right) to E. Ritter Spring (on the left).



Environmental Public Health

Michelle Hartman, Missouri Department of Health
and Senior Services (MDHSS)

(See MDHSS Presentation)



Ongoing and Key Environmental Actions in 2024

Tasha Lewis, Multistate Trust

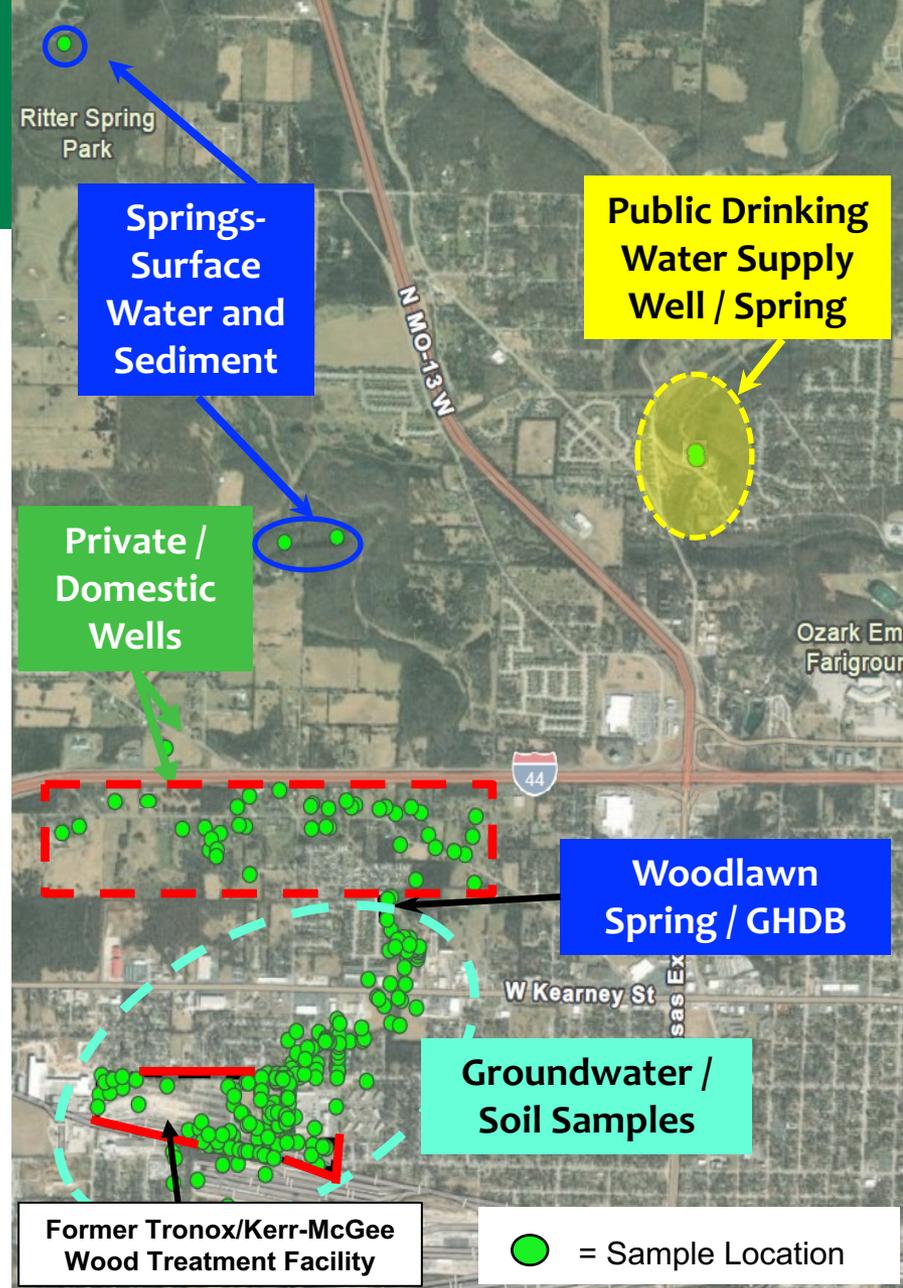


2024 Environmental Actions

Environmental Action	Current Status
Routine HWMU/Land Farm PCC and groundwater corrective action, including operation of Treatment System, routine groundwater sampling, and associated permit-related sampling	Ongoing
Quarterly public water supply sampling	Ongoing
Woodlawn Spring / Outfall 003 surface water sampling	Ongoing
Implementation of the revised management plan for GHDB	Work planning in progress
W. High St. residential soil sampling (±25 properties located immediately adjacent to and north of W High St between N Golden Ave and N Clifton Ave; ±7 other properties)	Work planning in progress
Vapor intrusion sampling at 2 additional properties (new ownership has allowed access)	In progress
Replacement of residential sewer lateral pipes (± 45 laterals)	In progress
Installing 3 remaining wells	In progress
Sewer gas and sewer water sampling	Ongoing

Environmental Data Collected to Assess Potential Health Risks

Off-Facility Media ¹	Within Missouri / Federal Acceptable Health Risk-Based Standards? ²
Vapor Intrusion (air)	Yes
Residential Soils	Yes ³ (additional sampling in progress)
Domestic Wells (groundwater outside City limits)	Yes – Below Missouri and Federal Drinking Water Standards
Public Drinking Water Supply	Yes – Below Missouri and Federal Drinking Water Standards
Groundwater – Near Facility	No – Water <i>is not</i> used for drinking or irrigation
Springs – Surface Water and Sediment	Yes



- Notes:
1. More than 1,500 samples have been collected
 2. Based on results for Facility-related chemicals of concern (COCs)
 3. For properties sampled; includes 2005 soil sampling at Golden Hills subdivision performed by MoDNR and Kerr-McGee (Health Consultation [ATSDR,2006])

Not to scale

Ongoing PCC and Groundwater Corrective Actions

- ✓ Perform post-closure care of HWMUs and Land Farm
- ✓ Groundwater corrective action: Operate the treatment system to capture contaminated groundwater and recover DNAPL (as creosote)
- ✓ Perform routine groundwater sampling

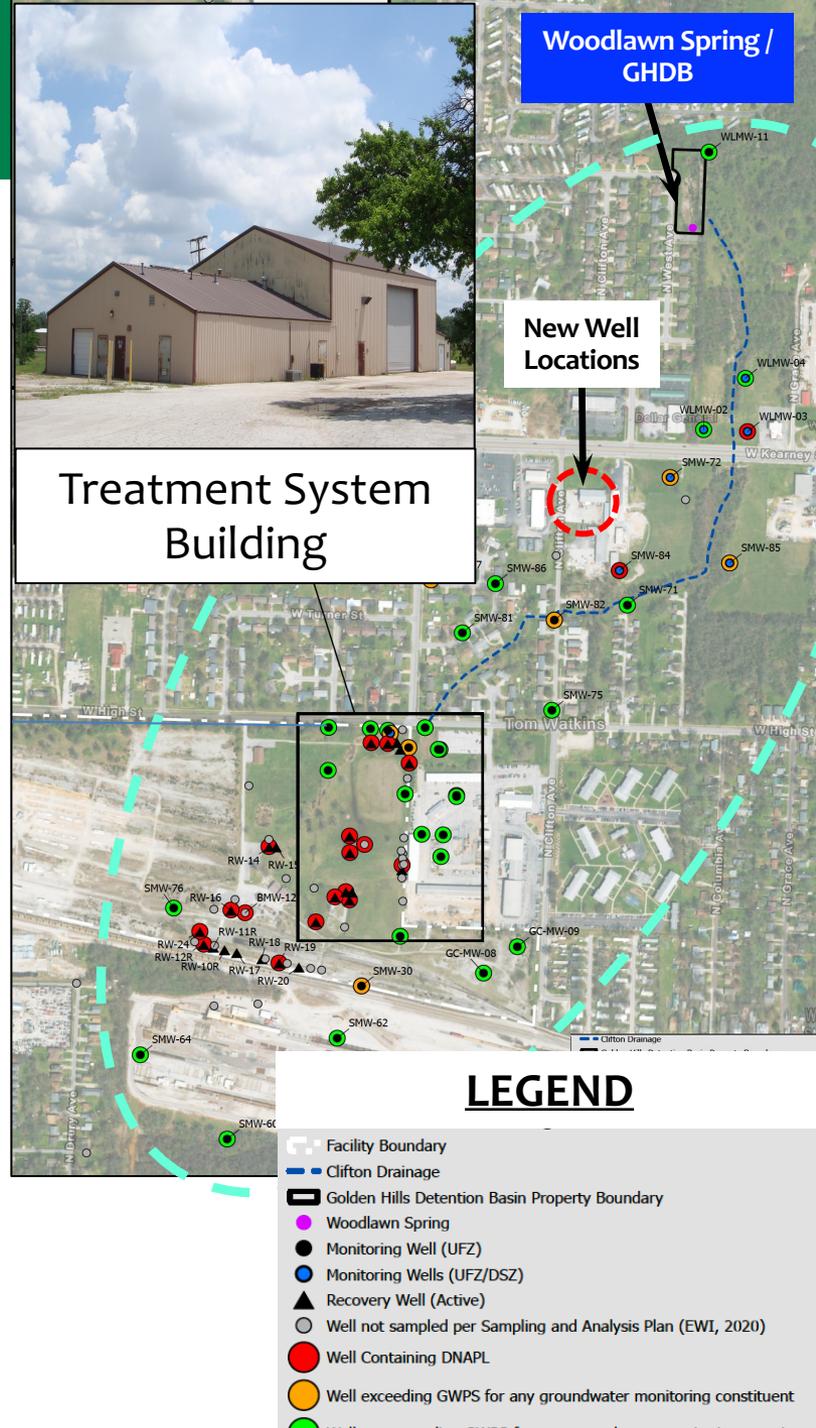
As of December 31, 2023:

- Recovered more than 7,100^a gallons of creosote
- Treated/discharged more than ±99,000,000^b gallons of contaminated groundwater
- SMW-80 below GWPS first time since 2020

Notes:

^a Data from 2011 to through December 31, 2023

^b Data from 2004 to through December 31, 2023

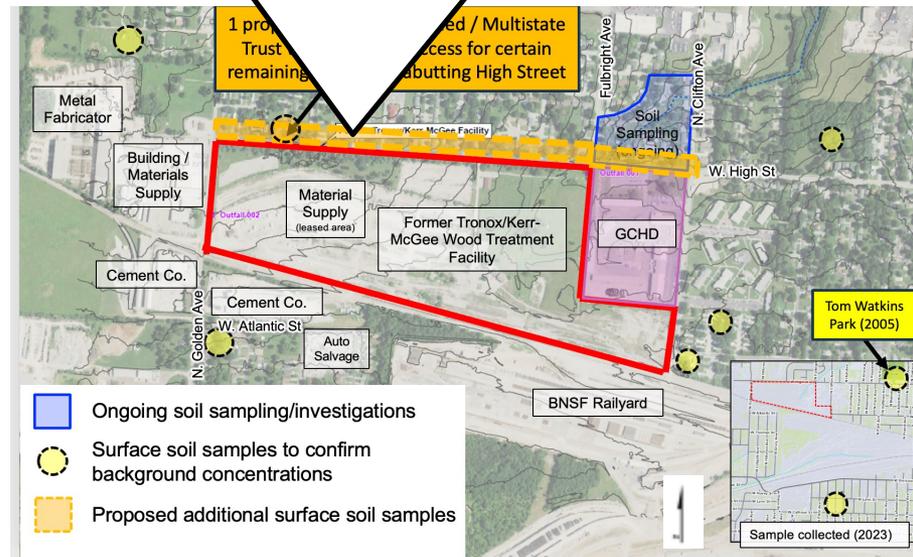


Additional Residential Soil Sampling



- ✓ Work planning (in progress)
- ✓ ± 25 properties (subject to access) along W High St to address community concerns regarding transport of contamination via stormwater
- ✓ ± 7 additional properties (background and based on communications with property owners; subject to access)
- ✓ Surface soil, gardens and select soil borings

If you have questions about the extent of this sampling effort, please contact Multistate Trust

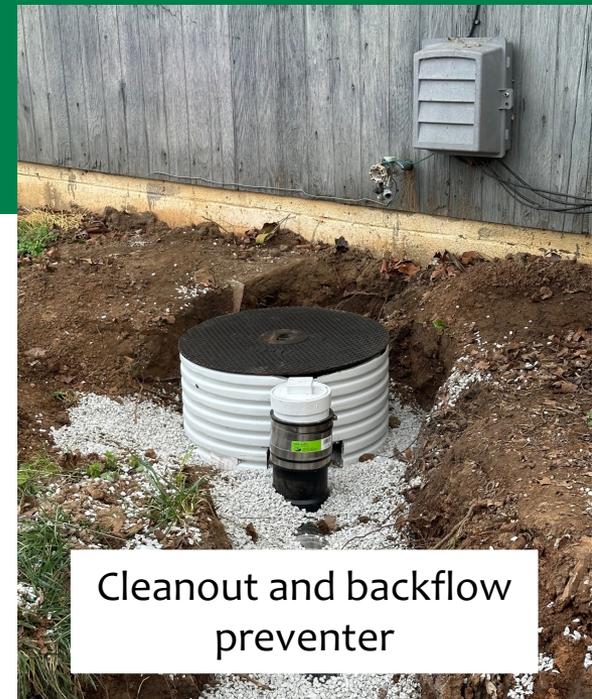


Visuals are not to scale

Residential Sewer Lateral Pipes Update



New residential sewer lateral



Cleanout and backflow preventer



Vacuum Truck



Odor Complaint Form



Online Services and GIS Find an



AIR ▾ WASTE AND RECYCLING ▾

DROUGHT ALERT - Conditions continue to degrade with 99% of the state experiencing abnormally dry conditions

Springfield Area Tronox Odor Complaint Form

The department recently become aware that citizens have been noticing offensive odors near the former Tronox/ Kerr McGee wood treating facility, located at 2800 W. High St. in Springfield. The department is encouraging everyone who notices the odors to report it so the department and **Greenfield Environmental Multistate Trust** can try to locate and reduce or eliminate the odor source(s).

You may report your odor concerns by using the online odor reporting form below or by calling Greenfield Environmental at **417-942-0190**. If someone does not answer your call, please feel free to leave a detailed voice message describing the odor and when and where you noticed it. Please include a call back number you can be contacted for more information.

(Items marked * are required)

Section I - Odor Information

Please provide as much information as possible about the odor.

Date odor noticed: *	Time odor noticed (approximate): *	
<input type="text" value="11/20/2020"/>	<input type="text" value="6:27 AM"/>	
Address * <input type="text"/>		
City *	State	ZIP/Postal Code *
<input type="text"/>	<input type="text" value="Missouri"/>	<input type="text"/>

Odor strength: *
Please select a value.
mild intense

<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="3"/>	<input type="text" value="4"/>	<input type="text" value="5"/>	<input type="text" value="6"/>	<input type="text" value="7"/>	<input type="text" value="8"/>	<input type="text" value="9"/>	<input type="text" value="10"/>
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Where was the odor noticed? *
Check all that apply:

Outside
 Inside a building/home

NOTE: If the odor is only inside and smells like rotten eggs or sulfur, you may have a natural gas leak. Please contact **your local utility or other appropriate local authorities** to investigate.

Duration

How long did the odor last?

<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="10"/>
days	hours	minutes

Is this a recurring odor?

Yes No

Please describe the odor to the best of your ability: *

Website Link: <https://dnr.mo.gov/waste-recycling/sites-regulated-facilities/hazardous-waste-treatment-storage-disposal-tsd/mod007129406/odor-complaint-form>



Greenfield Environmental Multistate Trust LLC
Trustee of the Multistate Environmental Response Trust

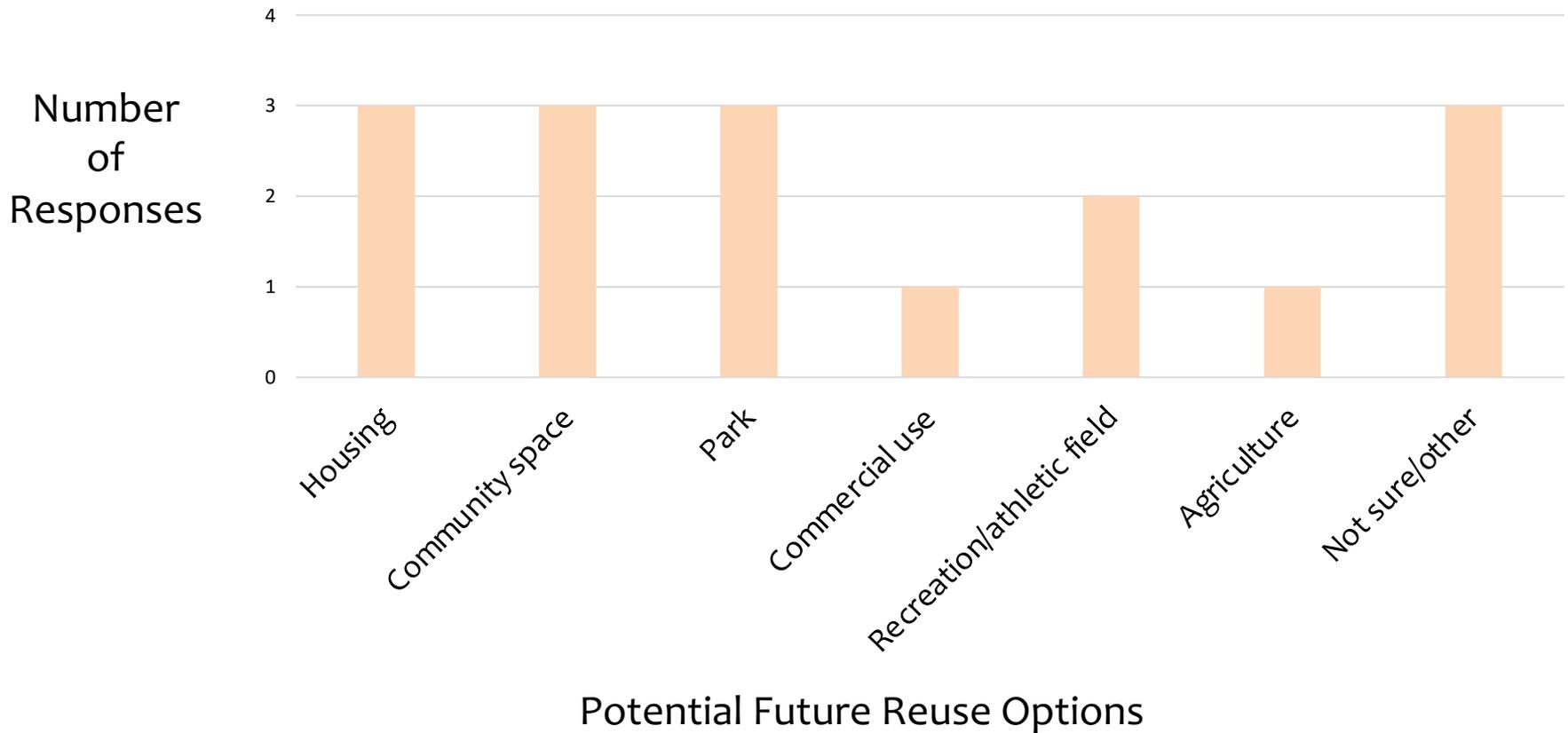
Community Survey Results and Continued Opportunities for Input

Tasha Lewis, Multistate Trust



Community Survey Results

Springfield 2023 Community Survey
Reuse Ideas



Involving the Community in Reuse Planning

- ✓ We seek future uses that are consistent with community-supported goals
- ✓ Reuse will be based on cleanup and is not expected for several years
- ✓ Federal funding and grant opportunities available for community revitalization and climate resilience initiatives
- ✓ Redevelopment workshops



This illustration depicts how we work with our beneficiaries, neighbors, and other stakeholders.



Contact Information

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Q&A and Drop-In Session

