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Superfund Redevelopment Program Webinar Series – Community Reuse of
Superfund sites – EPA Region 4 Spotlight

*Sponsored by: U.S. EPA, Office of Land and Emergency Management (OLEM), Superfund
Redevelopment Program*

Delivered: Wednesday, August 11, 2021; 2:00 PM – 3:00 PM EDT (18:00-19:00 GMT)

Instructors:

- Frank Avvisato, EPA Superfund Redevelopment (avvisato.frank@epa.gov)
- Casey Lockett Snyder, EPA Superfund Redevelopment Program/EPA Region 6 (lockett.casey@epa.gov)
- Scott Miller, EPA Region 4 (miller.scott@epa.gov)
- L'Tonya Spencer-Harvey, EPA Region 4 (spencer.latonya@epa.gov)
- Anna Cornelious Martin, EPA Region 4 (cornelious.anna@epa.gov)
- Mallory Schott, Clara White Mission (mschott@clarawhitemission.org)
- Paulette Turner, Site Owner (turner7982@bellsouth.net)

Moderator:

- Jean Balent, EPA Office of Superfund Remediation and Technology Innovation (balent.jean@epa.gov)

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Seminar Homepage

The screenshot shows the EPA's Clean-Up Information website. At the top is the EPA logo and the text "United States Environmental Protection Agency" and "Technology Innovation and Field Services Division". A search bar is on the right. Below the header is a navigation bar with links: Technologies, Contaminants, Issues, Strategies & Initiatives, Vendors & Developers, Training & Events, and Additional Resources. The main content area features the title "Passive Treatment of Mining-Influenced Water: From Bench Scale to O&M" sponsored by the U.S. EPA Technology Innovation and Field Services Division. It announces a live webinar on Monday, November 14, 2016, from 1:00 PM to 3:00 PM EST. Two buttons, "Join Webinar" and "Register", are prominently displayed. Below these are tabs for Description, Presenters, Webinar Slides, Related Links, Feedback Form, and Tips. The "Description" tab is active, showing text about passive treatment and biochemical reactors (BCRs). A "Feedback" box is overlaid on the right side of the description. On the far right, there is a sidebar with social media links, a "Staying Connected" section, and a "Live Events" section.

CLU-IN | Training & Events | [Passive Treatment of Mining-Influenced Water: From Bench Scale to O&M](#)

Passive Treatment of Mining-Influenced Water: From Bench Scale to O&M

Sponsored by: U.S. EPA Technology Innovation and Field Services Division

Live Webinar: Monday, November 14, 2016, 1:00 PM-3:00 PM EST (18:00-20:00 GMT)

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Passive treatment refers to processes that do not require frequent human intervention, operation, or maintenance, and typically employ natural construction materials, natural treatment media, and the growth of natural vegetation. Biochemical reactors (BCRs) are a type of passive treatment system that uses microorganisms to remove contaminants from mining-influenced water (MIW). BCRs and other passive systems are effective and lower-maintenance treatment options for mine site cleanups. They provide opportunities to reduce the environmental footprint associated with treatment of MIW.

In recent years, development and implementation of passive systems has increased. However, there's still plenty to learn about their effectiveness. Pilot studies are good ways to study passive treatment and their application scenarios. In this webinar, two case studies will be presented that document design and implementation of BCRs to passively treat MIW – from bench-scale tests to full-scale operation and maintenance, including recovery of iron oxide byproducts for sale.

Case Study 1: Passive Treatment of Metal Mine Drainage at an Abandoned Mine near Lake Shasta

Feedback

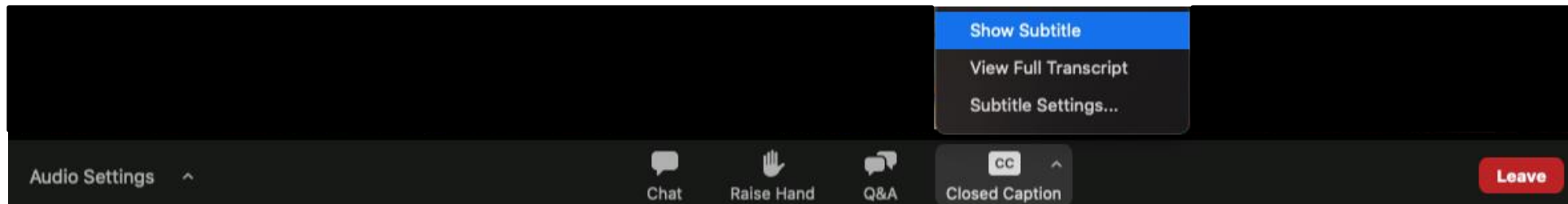
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Moderator Jean Balent, USEPA

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Question and Answer

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Community Reuse of Superfund Sites

EPA Region 4 Spotlight

Wednesday, August 11th, 2021



Overview

- Introduction to the Superfund Redevelopment Program
Speaker: Scott Miller, EPA Region 4
- EPA Overview – Brown's Dump Superfund Alternative Site
Speaker: Anna Cornelious Martin and L'Tonya Spencer-Harvey, EPA Region 4
- Community Perspective Panel – Innovative Community Reuse
Speakers: Mallory Schott, Clara White Mission and Paulette Turner, Site Owner
- Superfund Redevelopment Resources and Contacts
Speaker: Scott Miller
- Question & Answer Session
Speakers: Anna Cornelious Martin, L'Tonya Spencer-Harvey, Mallory Schott, and Paulette Turner
Moderator: Scott Miller

Superfund Redevelopment Program

Supports EPA staff and works with communities and other partners in considering future use opportunities and integrating appropriate reuse options into the cleanup process.



Benefits of Reuse at Superfund Sites

For every acre of contaminated property that gets redeveloped, 4.5 acres of greenfields are preserved.

- George Washington University study

Benefit to Community:

Brings jobs; increases the tax-base; revitalizes neighborhoods and restores a sense of community by bringing housing, retail, recreation or ecosystem services.

Benefit to EPA:

Brings certainty to anticipated land use with a new owner who will be a good steward of the site, who will be cooperative and provide access, and who may be willing to take on part or enhance the cleanup.

Examples of Successful Superfund Redevelopment



Jacksonville Ash Superfund site in
Jacksonville, Florida



Copper Basin Mining District Superfund site in
Copperhill, Tennessee

Sites Can and Are Redeveloped at Any Stage of Cleanup



EPA benefits from reuse information at any stage of the cleanup process because EPA continues to ensure sites meet protectiveness standards.

Restoring the Jacksonville Ash and Brown's Dump Superfund Sites

Community Reuse of Superfund Sites EPA Region 4 Spotlight
Webinar

August 11, 2021

Scott Miller, Chief of the Restoration and Sustainability Section

Anna Cornelious Martin, Remedial Project Manager

L'Tonya Spencer-Harvey, Public Affairs Specialist



Cleanup at the Jacksonville Ash and Brown's Dump Superfund Sites

Anna Cornelious Martin, Remedial Project Manager



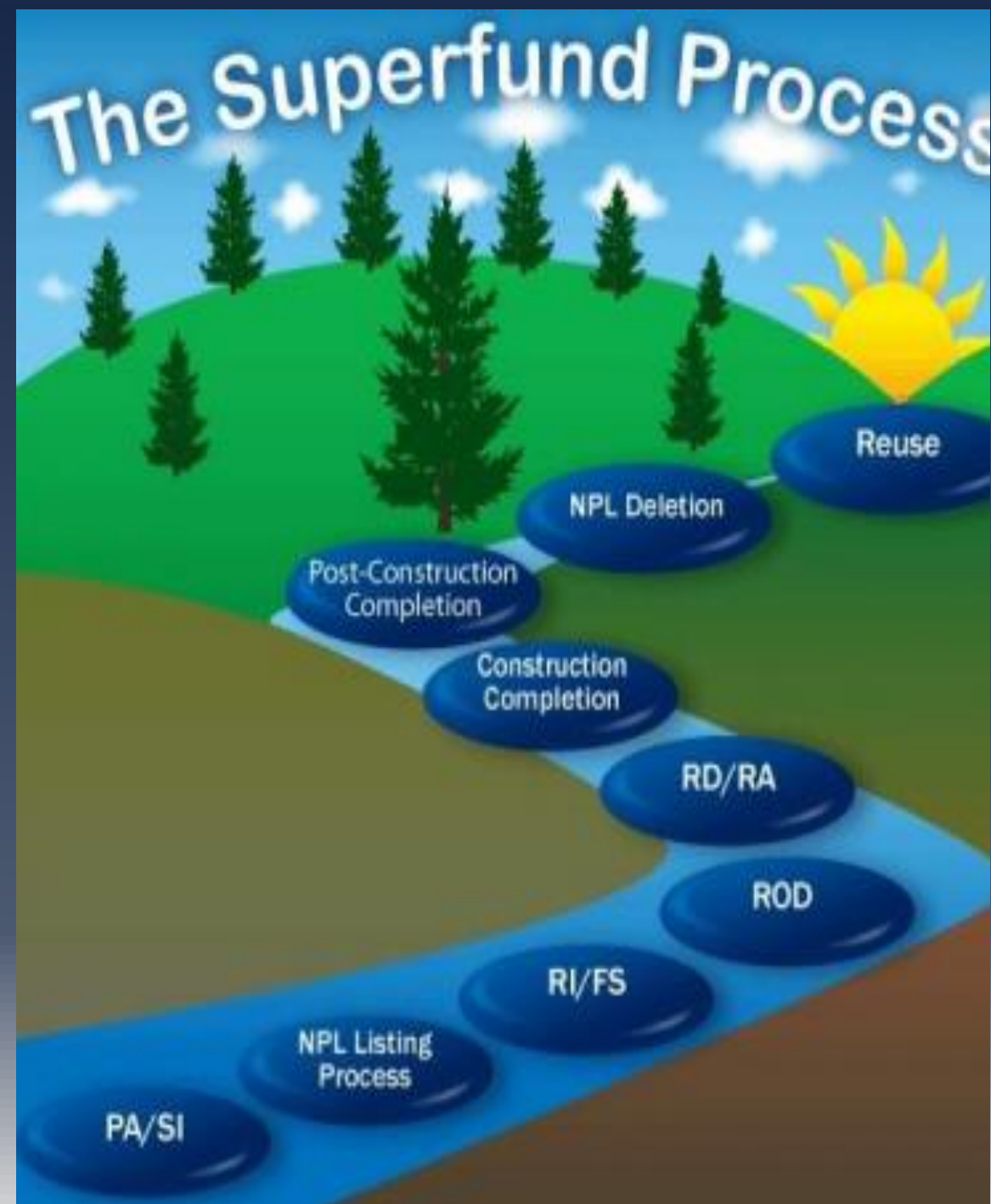


JACKSONVILLE ASH AND BROWN'S DUMP

How was the contamination discovered?

- Site contamination resulted from incinerated ash that was either (1) used as fill for residential and commercial development or (2) buried.
- Ash residues impacted the soil and sediment media.
- Contaminants of Concern include lead, arsenic, dioxin, and aromatic hydrocarbons
- The City of Jacksonville entered into an Administrative Order on Consent.
- The Sites were classified as Superfund Alternative Approach Sites (SAAs)





JACKSONVILLE ASH AND BROWN'S DUMP

What was done to clean up the Sites?

2006 – RECORD OF DECISION

- Excavated 2 feet of contaminated soil
- Temporarily relocated eligible residents
- Implemented Institutional Controls to prevent exposure to residual soil contamination that was inaccessible

2019 – REMEDIAL ACTION

- Approximately 95% of the Site has been cleaned (1,549 residential properties)
- Remaining activities include restoration activities, cleanup at Lonnie C. Miller Sr. Park, and several commercial and residential properties



Cleanup at the Jacksonville Ash and Brown's Dump Superfund Sites

L'Tonya Spencer-Harvey, Public Affairs Specialist



Community Engagement during the Superfund Process



- Community Meetings
- Access Authorizations/Agreements
- Technical Assistance Grants (TAG)
- Contractor Assistance (Hester Group)
- Residential Property Cleanups
- Jacksonville Integrated Planning Project (JIPP)
- Lessons Learned

EPA Region 4 Contacts



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WHITE HARVEST FARMS

Education, Outreach And
Sustainability Programming In Partnership With FDEP



White Harvest Farms is a 10.5 acre urban farm, specializing in no-till, regenerative biological agriculture and operating an NRCS CIG grant.

White Harvest Farms

4850 Moncrief Rd
Jacksonville, FL 32209



White Harvest Farms is owned and operated by The Clara White Mission, a non profit dedicated to feeding, training and housing the homeless and veteran population in Jacksonville in operation since 1904.

The farm is located in the historical neighborhood of Moncrief Springs along Moncrief Creek, an underserved community lacking access to fresh healthy foods where over 50 acres were once used as Browns Dump and remediated in 2010.

White Harvest Staff organize a monthly community council meeting and a Moncrief Creek Clean-up which has garnered lots of support and attention.

History



USDA NRCS Conservation Innovation Research

- No till, regenerative farming that is economically and environmentally sustainable.
- Studying biological farming
 - Uses healthy soil organisms to improve disease resistance and increase yields by making nutrients more bio-available to plants
- Developed method to make high quality biological compost.



What We Do

- At White Harvest Farms it is our mission to engage and educate around sustainable agriculture, culinary training and youth programming.
- We demonstrate annual vegetable cultivation, seedling production, beekeeping and thermophilic compost production. We plan to expand into egg production and urban agroforestry.
- We sell our produce on the farm every Saturday 10am-2pm October - June, accepting EBT and doubling EBT with the Fresh Access Bucks Program.
- We offer a free class every Saturday at 10 am and volunteer opportunities weekly.



Farmers Market

Expansion

- With support from the City of Jacksonville, we anticipate a new facility on the farm which will expand our ability to aggregate and distribute local produce and offer programming. Completion is set for Fall 2021.
- This is a multi-use space for education and training and for regional farmer and artisan direct to consumer market sales. Includes a commercial kitchen for culinary training and food processing.



Visit the Farm Virtually





THANK YOU FOR YOUR INTEREST AND SUPPORT!



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WHF Manager
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HEALTH ZONE 1



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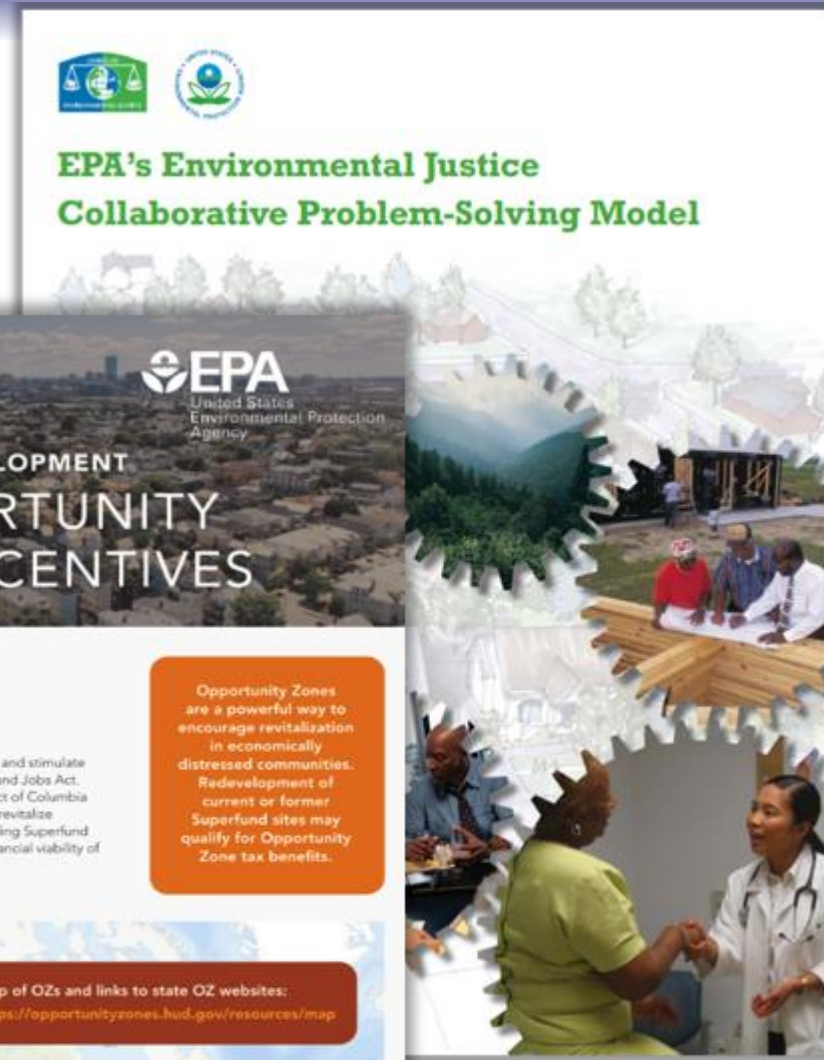
Superfund Redevelopment Resources & Contacts

Scott Miller, EPA Region 4



Superfund Redevelopment Resources & Tools

- Regional Seed Resources & Reuse Planning
- EPA Guidance, Handbooks & Fact Sheets
- Prospective Purchaser Inquiry (PPI) calls
- Comfort Letters
- EPA Agreements



Superfund Redevelopment Coordinators by Region

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Visit the Superfund Redevelopment Program Website at:

www.epa.gov/superfund-redevelopment

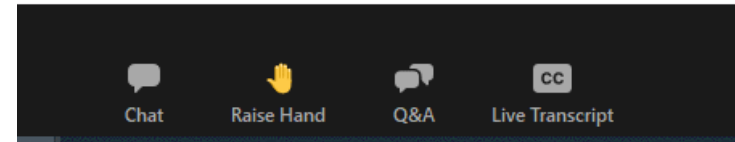
Questions?

Scott Miller, Anna Cornelious Martin, L'Tonya Spencer-Harvey, Mallory Schott, and Paulette Turner

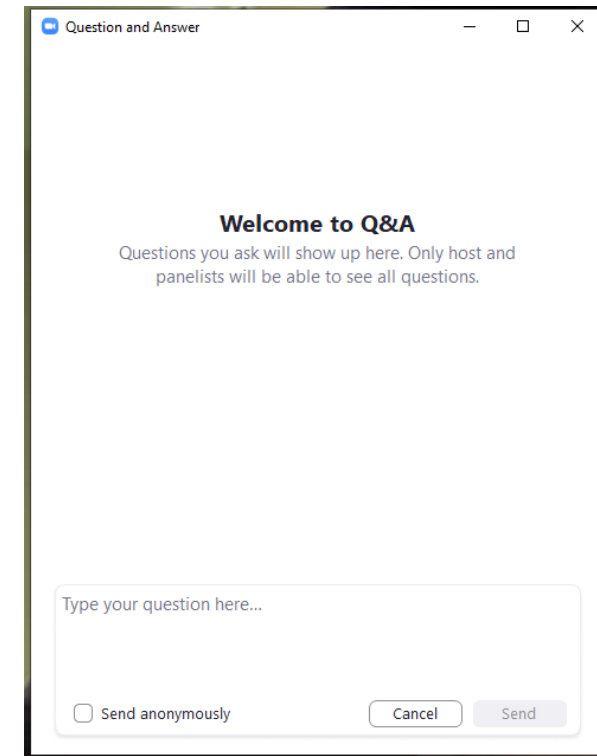


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