



Department of
**Environment &
Conservation**

TN CLEAN-GASB 49 Site Cleanup Program

TN Clean Program Summary

Sites Currently Active in TN Clean Program: 17

Sites for Which Initial Sampling Has Been Performed: 12

Total Budget for Remediation Activities: \$22,600,100 (2023)

Total Program Spend as of 9/30/2023: **\$263,943.83**

Initial sites for sampling/cleanup (1/2023)

Remediation

Atomic City Auto*
Wall Tube & Metal

Velsicol Residue Hill
Morningside Chemical
Henry County Boneyard

Roscoe Fields Site
Dixie Barrel & Drum*
Murray Ohio Plant

Boone Cleaners
Red Ridge Landfill**

Ross Metals
Rockwood Iron & Metal
Joyner Scrap Yard

Chromasco
Chapman Chemical
John Little Drum

Creotox
Fiberfine
Old Waynesboro City Dump
Former Mark IV Electro-Voice

Radiological Health

American Nuclear Corporation

Underground Storage Tanks

No active sites

Solid Waste Management

Liberty Fibers
Former EWS Landfill

* Requires no further remediation

** Requires O&M only (landfill mowing)

Work Performed to Date

- Velsicol Residue Hill
 - Collected groundwater samples from 4 on-site wells and prepared report of findings
 - In discussion with adjoining property owner who may be interested in purchasing the property and accepting responsibility of maintenance of the capped landfill
 - **Currently evaluating options to obtain final closure for the site; however, for now this site will continue in monitoring.**
- Henry County Boneyard
 - Collected 14 groundwater and 6 private well samples.
 - No detections were identified in private well samples
 - Low concentrations of VOCs were identified in select monitoring wells.
 - **Currently evaluating whether additional investigation/remediation is warranted, or whether the site will continue with monitoring only.**

Work Performed to Date

- Chromasco
 - Installed and sampled 3 permanent monitoring wells
 - Collected sediment samples from the on-site ditch to determine whether site contaminants (metals, primarily chromium) are migrating off the property.
 - **Based on sampling results, this site will require remediation**
 - Remediation will be complicated by presence of wetlands



Work Performed to Date

- Old Waynesboro City Dump
 - Performed site visit with project manager to arrive at scope of work
 - Second site visit with contractor to evaluate access issues and equipment needs
 - Groundwater sampling has been performed, sampling of sediment pond and seeps delayed due to low rainfall
- Former Mark IV Electro-Voice
 - Sampled all 6 site monitoring wells
 - Conducted sub-slab soil gas sampling and indoor air sampling to evaluate vapor intrusion
 - High resolution site investigation to determine remediation approach currently being planned

Work Performed to Date

- Morningside Chemical
 - Groundwater and indoor air sampling has been performed
 - High solvent concentrations detected in soil gas and basement air
 - Low concentrations detected in groundwater
 - This site will require remediation to address soil gas/indoor air issues
- Creotox
 - Groundwater sampling for on- and off-site wells has been performed.
 - Significantly higher concentrations of pentachlorophenol (PCP) detected in two wells.
 - Further evaluation of source area will be needed.

Work Performed to Date

- Boone Cleaners
 - Groundwater sampling for total organic carbon (TOC), dissolved gasses (methane, ethane, and ethene), chloride, iron, ferric and ferrous iron, sulfide, sulfate, and nitrate/nitrite to better understand the likelihood of success of different remedial technologies.
 - Scope of work for high resolution site investigation has been developed and is being finalized.
- Ross Metals
 - Monitored natural attenuation sampling is ongoing on a semi-annual basis



Work Performed to Date

- American Nuclear Corporation
 - The EPA has conducted a Removal Site Evaluation for the ANC site.
 - EPA recommended a time-critical removal action to address on-site soil and the hot cell/operating area.
 - The EPA has agreed to fund the cleanup (\$13.8M), and work is expected to start by early 2024.



Additional Sites Selected in September, 2023

- All remaining DoR sites requiring investigation and cleanup including:
 - Wall Tube & Metal
 - Initial groundwater and indoor air sampling performed
 - Murray Ohio Plant
 - Initial soil and groundwater sampling performed
 - Rockwood Iron & Metal
 - Joyner Scrap Yard
 - Chapman Chemical
 - John Little Drum
 - Fiberfine

