



Preferred Plan for the Former Rubber City Sand and Gravel Site

This fact sheet explains Ohio EPA's preferred alternative to clean up the site located at 1100 Loamshire Road in Springfield Township, Summit County, and how the public can participate in the process.

When Ohio EPA suspects a site is contaminated with hazardous substances, the agency may enter into a legal agreement called Director's Final Findings and Orders (DFFOs) with the responsible parties, requiring them to investigate the nature and extent of contamination and develop options to clean up the contamination. Ohio EPA reviews the alternatives and issues a Preferred Plan for public comment. After all comments are considered, Ohio EPA issues a Decision Document, finalizing the selected alternative.

Site History

The site is part of a larger property formerly owned by Rubber City Sand & Gravel used for sand and gravel mining. Between 1943 and 1966, the Goodyear Aircraft Corporation leased and disposed of waste from their manufacturing facility on 6.7 acres of the property. In 1978, Summit County purchased the property and in 1980, constructed the Upper Tuscarawas Wastewater Treatment Plant (UTWWTP) over 24 acres including portions of the original waste disposal area; waste was also disturbed in the process.

In 1992, U.S. EPA investigations detected volatile organic compounds (VOCs) and polychlorinated biphenyls (PCBs) in soil and ground water, and areas with no vegetation. In 1994, the Goodyear Tire & Rubber Company (GTRC) signed orders with Ohio EPA to investigate and address contamination.

Site Investigation



The 27-acre site includes the UTWWTP facility, woodland, and wetland areas to the southwest. The site is located over the Tuscarawas River Buried Valley aquifer, a major source of drinking water, and is surrounded by residential properties, with some commercial properties to the west. The Tuscarawas River is to the north and east of the UTWWTP. A First Energy overhead transmission line and associated easement runs west/southwest.

The source of site contamination is the historically disposed waste. Soil, ground water, sub-slab soil gas/indoor air, surface water and sediment were sampled to determine the nature and extent of contamination. Risks to human health and the environment were assessed, to determine if a cleanup is warranted.

- Soil outside the UTWWTP fence and sub-surface soil (2 feet below ground surface) within the UTWWTP fence are contaminated, mainly with PCBs and lead, above levels protective of commercial/industrial land use. PCBs were also detected above federal Toxic Substances Control Act (TSCA) standards in two samples outside the UTWWTP fence.
- Ground water in the eastern area is contaminated with VOCs above safe drinking water standards. There are no current users of contaminated ground water.
- Indoor air in the current facility building meets acceptable levels based on sub-slab soil gas sampling. However, VOCs in ground water could be a source impacting future buildings.
- Surface water (Tuscarawas River), sediment, and storm water runoff meet federal and state standards.

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Cleanup Options

To address contamination above acceptable levels of risk, GTRC proposed four alternatives. Alternatives 2, 3, and 4 focus on remediation of surface and subsurface soil in the wetland and upland area outside the UTWWTP fence.

Alternative 1: No Action

The no action alternative assumes no action is taken to clean up unacceptable contamination. The no action alternative is required as a baseline, to compare to other alternatives. This alternative does not meet the soil, ground water or indoor air clean up goals for the Site.

Total estimated cost: \$0

Alternative 2: Consolidation and 4-Foot Cover over the Upland and First Energy Areas

Contaminated soil/sediment from the wetland area would be excavated and consolidated onto the upland area. A 4-foot cover would be placed on the upland and First Energy easement areas.

Total estimated cost: \$2.9 million

Alternative 3: Consolidation and 2-Foot Cover over the Upland Area

Contaminated soil/sediment from the wetland and First Energy Easement areas would be excavated and consolidated onto the upland area. A 2-foot cover would be placed on the upland area.

Total estimated Cost: \$2.2 million

Alternative 4: Consolidation and 2-Foot Cover over the Upland and First Energy Areas

Contaminated soil/sediment from the wetland area would be excavated and consolidated onto the upland area. A 2-foot cover would be placed on the upland and First Energy areas. *Total Estimated Cost: \$1.9 million*

Alternatives 2, 3, and 4: 'Common Elements'

The common elements include:

- Confirmation sampling in excavated areas.
- Coordination of PCB clean up above TSCA standards with U.S. EPA.
- Demarcation of the vertical and horizontal extent of clean soil cover, to support cover maintenance and inspection.
- Maintenance of the UTWWTP current fence.
- Deed restrictions to prevent worker exposure to contaminated soil/sediment and ground water. Future buildings, if constructed, would need to meet indoor air standards, as necessary.
- An operation, monitoring, and maintenance plan to ensure long-term compliance with the site remedy.

Ohio EPA's Preferred Plan

Ohio EPA's preferred option is **Alternative 4**. Based on available information, the agency believes that this alternative protects human health and the environment and complies with state and federal regulations.

Next Steps

Once the Decision Document is issued, Ohio EPA will work with the responsible parties to design the remedy and implement the clean-up.

More Information

Site information is available on-line in Ohio EPA's electronic document system at [Ohio EPA's eDocument Search](#) or at Ohio EPA's Northeast District Office, 2110 E. Aurora Road, Twinsburg, OH, 44087.

Contact

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