



Conestoga-Rovers & Associates Project Summary

KEY PROJECT ELEMENTS

- Construction
- Remedial Design
- Wetland Mitigation Program

COPPERHILL WETLANDS POLK COUNTY, TENNESSEE



CLIENT: CHEMICAL
MANUFACTURING COMPANY
DURATION: 1998
VALUE: > \$1,000,000

This site encompasses former copper mines located within the “Copper Basin” in the extreme southeast corner of Polk County, Tennessee. Copper ore was mined from the “Copper Basin” between 1858 to 1987. The surface area immediately surrounding the plant and along the adjacent creek received tailings. Also, the tailings were disposed of in an engineered Tailings Pond, which covers approximately 160 acres. Currently, water is being pumped from two of abandoned mines at the site to a wastewater treatment plant (WTP).

A site-wide remediation strategy was established that included the rehabilitation of lands for recreational use and evaluation of treatment technologies, such as anaerobic wetlands to address the surface water quality. As part of the site strategy, CRA constructed a pilot wetland that covered an area of approximately 2.5 acres. The constructed wetland included a dam structure to divert the flow in the on-site streams to the wetland. The wetland construction was successfully completed in September 1998 and has been running effectively since commissioning.

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