Landfarming Soil Remediation

Construction, O&M

Highlights

Cleared vegetation for construction of landfarm plots and irrigation system

Installed 1.5 miles of HDPE piping for irrigation

Constructed irrigation system with automated valving and timers

Hydraulically pressure tested irrigation system



Project History

Former Wood Treating Site

Spotsylvania County, VA

Landfarm Plot – Cleared, Grubbed, & Tilled





Regulatory Agency

U.S. EPA – Region III

Project Description

Landfarming was performed to enhance biodegradation of creosote constituents in surface soils to achieve an ecological-based cleanup.

Activities Performed

- Installation of erosion and sedimentation control measures
- Clearing and grubbing of approximately 5 acres
- Installation of irrigation piping, approximately 1.5 miles of HDPE piping ranging from 1-inch to 4-inch diameter



- Hydraulically pressure tested irrigation piping
- Construction and installation of a soil irrigation system with automated valving and timers.
- Implemented site-wide irrigation schedule

The project is ongoing, with planned addition of phases and yearly winterization and startup

Project Manager

Jim Zubrow, P.G.

Contract Value

>$300,000

FTS Construction, LLC

FTSCO