



SynTerra is an innovator in the pulp and paper industry. Known for expertise in solid waste, residuals management, and groundwater, SynTerra provides a broad range of services to a diverse set of clients—from the largest companies to small independent mills.

Expertise meets innovation in SynTerra solutions for forest products clients.

SynTerra solutions cover all major regulatory programs; mill environmental, health, and safety initiatives; facility operations and design; and technical staffing. Our innovations include the use of large diameter geotextile tubes for wastewater treatment sludge dewatering and the use of fiber sludge landfill caps.

SynTerra helps companies plan for future construction phases and budget capital. SynTerra also serves companies that are simply seeking a better way to compute landfill life and volume. Our professionals help landfill owners improve landfill stability, maximize available space, comply with applicable environmental regulations, and more.

SYNTERRA CAPABILITIES FOR THE PULP AND PAPER INDUSTRY

Advanced tools for identifying the following:

- Isolated areas of overfilling where waste will have to be redistributed prior to final closure
- Areas of significant settlement or subsidence
- Conformance of the waste disposal to permitted grades and limits

Solutions for operations support:

- Use of residuals as a construction material that replaces cover soils or interior earthen berms, creating additional waste disposal capacity
- Retrofitting the landfill with surface water and subsurface drainage structures that improve waste stability, enhance waste consolidation, and increase landfill airspace
- Adjustment of waste placement sequencing to provide improved waste compaction and ease disposal during wet season operations
- Blending of waste materials for odor control and improved overall workability
- Use of coarse waste material as an internal drainage medium
- Identification of waste disposal methods that may impact operator safety
- Assistance in landfill airspace evaluation and in examining the economics of solid waste disposal options

Other capabilities:

- Solid waste management
- Landfill permitting, development, and compliance
- Dredging support
- Residual characterization
- Beneficial reuse
- Stormwater and wastewater BMP plans
- SPCC Rule compliance
- NPDES support
- Environmental management system development
- Impoundment closures
- Landfill lifecycle planning
- Pond dewatering and residuals management
- Volume determinations and operating life projections
- Surveying services and drone applications
- Solid waste disposal economic evaluations
- Groundwater monitoring and statistical analysis
- Groundwater alternate source demonstrations
- Wetland delineation and permitting
- Phase I and Phase II environmental site assessment
- Asbestos and lead-based paint surveys

