



SWACO SANITARY LANDFILL

OFF-SITE WASTEWATER TREATMENT FACILITY
The Wastewater Treatment Plant receives and treats leachate (wastewater). Once treated the water is then safely released into nearby surface waters.

CLOSED VERTICAL CELLS
A cell that has reached full capacity as determined by the state environmental regulatory agency.

SCALE HOUSE
Weighs garbage trucks and other vehicles in order to determine the amount of garbage deposited in the landfill. The tipping fee is also paid at the scale house.

RADIATION MONITOR
A device that detects radioactive material.

LANDFILL GAS CONVERSION PLANT
A facility where landfill gas is converted to electricity.

SEDIMENT POND
Surface water run-off flows to the ponds allowing sediment to settle out over time. Sediment-free water is then discharged to nearby surface waters.

TRACTOR TRAILER
A semi truck used to transport garbage from one of SWACO's three waste transfer stations.

TIPPER
An efficient machine used to tip and empty trailers filled with garbage.

RESIDENTIAL DROP-OFF
A separate area designated for residents to unload garbage.

GROUNDWATER MONITORING WELLS
Wells used to monitor and test groundwater conditions.

SAND
Used as a protective layer for the leachate collection system.

DOZER
A large machine on a track used to spread dirt and compact garbage.

REAR LOADER
One of the many types of trucks used to transport garbage to the landfill.

COMPACTOR
A large machine with heavy steel wheels and spikes used to spread and compact garbage.

GROUNDWATER MONITORING WELLS

GEO-NET
Plastic webbing covered with filter fabric used to protect the leachate collection system.

RE-COMPACTED CLAY LINER
3 feet of recompact clay used to prevent soil and water contamination. A component of the side and bottom liner system.

GEO-SYNTHETIC CLAY LINER
180 mil bentonite mat used to prevent soil and water contamination. A component of the side and bottom liner system.

PLASTIC LINER
60 mil of HDPE used to prevent soil and water contamination. A component of the side and bottom liner system.

FILTER FABRIC
Woven mat used to help protect the leachate collection system.

LANDFILL GAS EXTRACTION SYSTEM
A vacuum extraction system of collector wells and pipes in the landfill used to extract gas from the landfill. Landfill gas is produced by the anaerobic decomposition of garbage.

LEACHATE PIPES TO WASTEWATER TREATMENT FACILITY

SOLID WASTE
Garbage or refuse.

GRAVEL
Used as a protective layer for the leachate collection system.

LEACHATE COLLECTION SYSTEM
Leachate or "Garbage Juice" is produced when rain water mixes with Household Hazardous Waste (HHW) deposited in the landfill. Permeable layers like sand, gravel and Geo-net allow leachate to pass through for collection while protecting the drainage system.