

South Side Landfill and Crossroads Greenhouse

Useful Terminology and Information for Students

Compactor - a machine that crushes and compresses trash

Cell - an area of compacted trash

Lifts - horizontal layers in the landfill

Compost - items such as food scraps and grass clippings

IDEM - Indiana Department of Environmental Management

Trommel - rotating screen that filters out material based on size

Methane Gas Extraction System - Methane gas is extracted (taken) from the solid waste and then sent to the gas treatment building where it is tested and treated. After it leaves the treatment plant, it helps provide heat and energy for the greenhouse and maintenance building.

Boilers - Equipment at the greenhouse that is used to produce hot water, which helps provide the heat needed by the plants.

Generator - Provides electricity for the greenhouse

Scales - weighs and monitors loads that are brought in to be dumped at the landfill

Concrete Slab - a place where non-commercial haulers (like your mom or dad) dump their trash so that our guys can go through and make sure that all of the trash is safe for the landfill

Slurry Wall - a 3.2 mile long waste containment wall that is used to help protect the environment from any waste contamination; the wall is made up of bentonite clay and soil slurry

Commodity - something of use, advantage, or value

Crucial - important or critical

Diligence - constant effort to reach a set goal

The CAP of the landfill - Layers of soil and vegetation used to cover the landfill

Hazardous - full of risk

Toxic - containing toxins or poison

Quantity - a particular amount of something

Dictate - to give orders

Impermeable - water or liquid cannot readily pass through a substance

Engineered - to design or create using mathematics and science to minimize uncertainty

Decomposition - act or process of decomposing, rotting, or breaking down

Maintain - to keep in existence or continuous; to keep in good condition or operation

Filtering - to remove by the action of a filter; to obstruct (prevent) the passage of a substance

Assurance - promise or pledge; full confidence

Consumption - the act of consuming, by use, decay, or destruction

Wholesale - the sale of goods in quantity, as to retailers, for resale

Conserving - to prevent injury, decay, waste, or loss of

Manipulation - skillful or artful management

Intensity - a high or extreme degree; great energy, strength, or concentration

Technology - the branch of knowledge that deals with the creation and use of technical means and their relation with life, society, and the environment, drawing upon such subjects as industrial arts, engineering, applied science, and pure science

GeoTextile Fabric - A tough, durable fabric that protects the liner and plays a role in the drainage system