

Did you know that landfill cells have several layers made of different materials that work together to contain waste and protect the environment?

That's right! We're not just tossing garbage into a big hole in the ground.

The layers prevent harmful liquids, like leachate, from seeping into the surrounding soil and groundwater.

The layers start with about 2 feet of compacted clay.

On top of the clay is a thick plastic membrane.

Next is the drainage layer, which is like is a blanket of mesh-like fibers.

There is a layer of leachate collection pipes that collects rainwater and other liquids and channels them to drainage ditches called sumps.

Eventually, all of the liquid is pumped out of the sumps and sent to the evaporation pond.

At the end of every day, a layer of soil is added to prevent pests from getting in and to seal the trash from the air.