Have you ever wondered what happens to all of the gas that's created at Twin Oaks Landfill?

Landfill gas, primarily composed of methane and carbon dioxide, is a potent greenhouse gas and poses significant environmental concerns.

The Twin Oaks Renewables facility converts that landfill gas into clean, renewable natural gas for pipelines.

For the gas to reach the treatment facility, it has to travel through one of more than 130 extraction wells.

The well is typically a vertical tube that has holes in it. The gas enters the tube through the holes and gets sucked through the tube to the gas plant.

Field technicians monitor the wells every two to four weeks.

"If we can keep everything in perfect balance, we can catch all the gas without pulling so much that we hurt the bacteria that makes the gas."

The number of wells at Twin Oaks Landfill increases with the thousands of tons of trash coming in.

"As we expand the area of the landfill, the first thing we'll do is put in horizontal wells that go down and sideways. Those will catch the first bit of gas coming off the trash. As the landfill gets taller, we'll start adding vertical wells that go all the way down to the bottom. The vertical wells are more efficient and tend to pick up less atmospheric gas."

Once the gas reaches the facility, it is scrubbed of harmful atmospheric gases and sent into the pipeline as clean, renewable natural gas. By converting landfill gas into renewable natural gas, harmful greenhouse gas emissions are reduced, positively contributing to the fight against climate change.