

Lorain County Landfill

Oberlin, Ohio

Project Name or Location

Municipal solid waste contains significant portions of organic materials that produce a variety of gaseous products when dumped, compacted, and covered in landfills. Anaerobic bacteria thrives in the oxygen-free environment, resulting in the decomposition of the organic materials and the production of gases, primarily carbon dioxide and methane. In the case of the Lorain County Landfill, the gas was refined and converted into a renewable energy source. The energy source was then recycled into the energy grid to create energy and provide a cost savings for the landfill. More importantly the refining of these gases reduce the amount of carbon dioxide and methane released into the atmosphere and also help gasification processes run more efficiently and for a longer period of time.



General Project Scope

IPS was contracted as the General Contractor for the landfill gasification project for the Lorain County Landfill. The end goal was to refine more gas that could be converted into reusable energy. IPS installed a scrubber to achieve this goal along with chillers and Domnick Hunter filters. IPS also constructed the blower building, installed a new thermal oxidizer to burn off waste. IPS self-performed all site work, foundations, building, mechanical, equipment setting.



Project Duration: 8 months
Project Cost: \$1,500,000

GOVERNMENT

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