



## *Confidential Client*

# Conceptual Plans for Landfill Closure and Beneficial Use of Waste

## Project Profile

### Background

Confidential client desired to prepare landfill closure plans and develop facilities that would beneficially use waste to produce compost, biogas and electricity and reduce material going to a landfill.

### DEI Scope of Work

DEI was hired to conduct an evaluation of waste material currently being disposed of and develop conceptual plans for the beneficial use as well as preliminary designs for landfill closure.

### DEI Team Activities

- Evaluated the composition of waste currently being disposed of at the landfill
- Met several times with the client to develop the goals and objectives of the project
- Performed an AD and WTE preliminary evaluation and prepared plans to be included in the overall conceptual plan for the site
- Prepared conceptual plans for AD, WTE, biogas processing, biogas utilization, maintenance facilities, landfill closure, material processing facilities, barge loading facility, recreational facilities and project integration
- Estimated biogas and electrical generation potential for the project
- Prepared a model and virtual simulation for the project
- Assisted in preparation of presentations

### Results

Conceptual design completed



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