



# Vietnam Waste Solutions, Saigon, Vietnam

## Project Profile

### Background

Vietnam Waste Solutions was in the process of developing a new municipal solid waste landfill and material processing facility outside Saigon that would accept up to 6,000 tons of waste per day.

### DEI Scope of Work

#### DEI was hired to:

Prepare a preliminary design for the landfill infrastructure, a transfer station and a materials recovery station (MRF) for the processing of solid waste and recyclables.

### DEI Team Activities

- Developed conceptual plans for the infrastructure that included layout of administrative buildings, scale houses, on-site traffic flow, truck wash system, landfill maintenance, leachate control system, electrical generation and employee facilities;
- Developed designs for the transfer station and materials recovery facility including profiles, ventilation and drainage, as well as calculations to determine building size and the preparation of plans showing building elevation;
- Developed interior designs that provided the layout of sort lines and equipment positioning for optimum use of available space;
- Designed the traffic flow, material handling areas and loading systems at the transfer station for the unloading of waste from inbound trucks, and loading and transfer of waste out to the landfill; and
- Designed the MRF to effectively manage the movement and handling of material from receipt, to recyclables removal on the sort line, and then loading and export of recyclable materials from the facility.

### Results

The conceptual plans were used to develop detailed design and construction packages. The facility has been constructed and is now in operation.

# DEI

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