



EnTrans
CONSULTING

Environmental & Transportation Solutions

Waste Management

Services: Waste management strategies and planning; Feasibility analysis; approvals and permitting for treatment facilities and landfills; design, procurement and construction management for waste treatment facilities and engineering landfills.

Area of Experience

- Development of waste management plans for small and large projects.

Design Activities

- Waste characterization
- Waste treatment and recycling technologies
- Sitting of waste treatment/recycling plants and landfills
- Engineering and environmental baseline studies (topography, hydrology, geology, geotechnical, geophysical, hydrogeology, air quality, and traffic impact assessment)
- Financial feasibility of waste treatment/recycling technologies for each type of waste

Sample Projects

- Waste Management master plan for the complex waste treatment and final disposal for all types of waste generated from Cairo and Qalyubia governorates – Egypt (50 years).
- Waste Management detailed master plan for eastern cities, new urban communities, Egypt. Waste Management detailed master plan for western cities, new urban communities, Egypt. Detailed Waste Management master plan for 27 new cities - Egypt.
- Design, supervision of construction and operations of municipal solid waste treatment and landfill facilities at 15th of May and El-Salam - Cairo Governorate.
- Detailed design for New Cairo Transfer Station and also preparation for the terms of reference for the construction and the operation of the transfer station.
- Detailed design and EIA study for the waste treatment facility and the sanitary landfill for the MSW generated from Cairo governorate – 10th of Ramadan - Egypt.

Design Activities

- Multi-criteria assessment and selection of preferred waste treatment/recycling
- Master plan for waste treatment/recycling and disposal
- Waste collection routing
- Terms of reference for waste collection, transfer, transport, treatment/recycling and disposal

