Client

Ministry of Housing and Local Government, 
Government of Malaysia

Project

The Bukit Tagar Sanitary Landfill in Selangor, 
Malaysia is an approved government privatisation 
project based on a build-operate and transfer 
proposal. Located 50 km north of Kuala Lumpur, 
within the State of Selangor, the site is accessed 
through the Bukit Tagar Interchange on the main 
North South Expressway.

The landfill has a potential capacity of 120 million tonnes of waste and will serve Kuala Lumpur City and the Klang Valley - a population of 8 million. A 40-year concession to construct and operate the landfill has been awarded to the developer, KUB-Berjaya Enviro Sdn Bhd.

The landfill is designed to international standards, with stringent measures to protect the environment. It is designed as a USEPA Level 4 sanitary landfill with a full protective liner to prevent infiltration of leachate into the ground. Leachate is collected and treated in a purpose-built leachate treatment plant to achieve the standards prescribed by the relevant environmental agency. Treated effluent is irrigated to plantation land within the site.

The landfill has a volume of 120 Mm and a footprint area of 280 hectares. The liner is made of clay and geomembrane. Waste input is approximately 1,000,000 tpa and filling commenced on 1 April 2005.

Services provided:

- Concept design
- Permit and EIA process
- On-going engineering and design services for advance phase
- On-going phase development.

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