

## Bukit Tagar Landfill

The Bukit Tagar Sanitary Landfill in Selangor, Malaysia is an approved government privatisation project based on a build-operate and transfer proposal. Situated 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 the major population base of Kuala Lumpur City and the Klang Valley (population 8 million). A 40 year concession to construct and operate the landfill has been awarded to 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 environmental agency and the treated effluent is irrigated to plantation land within the site.

### Project Data

Owner - Ministry of Housing and Local Government, Government of Malaysia.

Developer - KUB-Berjaya Enviro Sdn Bhd.

TTKonsult/Tonkin & Taylor Involvement - Concept design, permit and EIA process, ongoing engineering and design services for advance phase and ongoing phase development.

Landfill Volume - 120 Mm<sup>3</sup>.

Footprint Area - 280 ha.

Liner - Clay/geomembrane.

Waste Input - 1,000,000 tpa approx.

Commenced Filling - 1 April 2005.



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