



Solid Waste Specialists

Efficient solid waste management is a fundamental community need and is essential to maintaining a quality environment.

Changing legislative requirements and increased awareness of the sensitivity of the natural environment has resulted in a more rigorous approach to waste disposal.

From waste minimisation and cleaner production, through to final disposal technologies, Tonkin & Taylor offers leading expertise across the full range of technical disciplines required, including:

- Planning and economics
- Investigations
- Scientific studies
- Engineering design and management.

Expertise

- Planning and Economics
 - Assessing waste disposal needs
 - Industry and process analysis and waste minimisation strategies
 - Detailed economic analysis of disposal and facility options, including financing and cash flow aspects assessed using comprehensive in-house cost models.
- Cleaner Production/Waste Minimisation
 - Process assessments and waste audits
 - Waste reduction strategies and disposal options studies.
- Waste Handling/Transfer
 - Evaluation of waste collection
 - Handling strategies and economics
 - Transfer station design and construction.
- Industrial and Hazardous Wastes
 - Pre-treatment and disposal strategies
 - Sludge management
 - Composting
 - Incineration.
- Landfill projects
 - Site selection studies, planning assessments, consent processes, AEE preparation, investigations, scientific studies for water quality, geohydrology, air quality, traffic, human and natural environments.
 - Development of landfill designs including geotechnical investigations and testing. Design of liner, leachate collection, landfill gas control and cover systems.
 - Costings and economic analysis, construction contract preparation, tendering and construction management.
 - Assessments of operational and closed landfills for upgrading and mitigation of discharges to the environment.
 - Management plan drafting, review and auditing.
 - Peer review and troubleshooting related to landfill performance and technical issues.