

SOUTH BURNETT REGIONAL WASTE MANAGEMENT STUDY

TERMS OF REFERENCE

A Regional Waste Management Study is being undertaken for the South Burnett Region, encompassing the Councils of Cherbourg, Kilkivan, Kingaroy, Murgon, Nanango, Rosalie (Yarraman area only) and Wondai. The project is being undertaken on behalf of the South Burnett Local Government Association with funding assistance from the Environmental Protection Agency.

The objectives of the study are to:

- develop a regional waste management system to replace existing landfills;
- develop strategies for the minimisation of waste;
- develop a cost effective solution for each Shire and the region as a whole;
- develop a sound technical solution that satisfies engineering, environmental and economic criteria;
- maintain a high level of service by ensuring sites for public delivery of waste are strategically located; and
- adopt a consultative approach in the formulation of the recommended strategy.

The South Burnett Regional Waste Management Study will address the following issues:

- **Waste Generation:** Analysis of waste generated in the region, including specialised waste such as clinical waste, tyres, hazardous and industry waste, and projected volumes generated in the long term.
- **Waste Minimisation and Resource Recovery:** Adoption of the waste management hierarchy of (in order of preference) avoid, reuse, reduce, reprocess, reclaim, treat and dispose. The ultimate future objective is to achieve zero disposal of waste to landfill.
- **Alternative Technologies:** Assessment of a range of alternative waste technologies for their resource recovery potential and applicability to local solutions for waste management. Alternative technologies will include incineration, waste to energy (pyrolysis / gasification), composting and vermi-composting, pelletising / refuse derived fuel and anaerobic digestion.
- **Establishment of Transfer Stations:** Investigation of transfer station development will include location, point of ultimate disposal (landfill or alternative facility), design criteria according to best practice and establishment cost.
- **Closure Phasing Plan for Existing Landfills:** The management of existing landfills and development of a closure plan based on the remaining capacity/expected lifespan, economic and environmental considerations, technical factors, the impact on each Council and the community, and the establishment of alternative infrastructure.
- **Regional Waste Infrastructure:** The need for a regional facility and / or a number of regional facilities within an overall infrastructure strategy.

It is proposed to establish a Regional Waste Management Community Liaison Group to provide a forum for the community to become involved in the decision-making process in conjunction with the South Burnett Local Government Association. The Community Liaison Group may continue in an on-going role in addressing community and environmental issues for future regional waste management facilities.