



CONSULTANCY SERVICES

CAPABILITY
STATEMENT

LOCAL SERVICE, GLOBAL EXPERIENCE

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WASTE MANAGEMENT & RESOURCE RECOVERY



LANDFILL ENGINEERING & ENVIRONMENTAL MANAGEMENT



CONSTRUCTION QUALITY ASSURANCE



Practical, sustainable and innovative **waste management**
and **resource recovery** solutions

OVERVIEW

Iolar is a specialist waste management and resource recovery company delivering consultancy solutions for both private and local government sectors.

CLIENTS

Iolar undertakes work for both private and public clients in the following sectors:

- Local government
- State government
- Landfill owners
- Landfill operators
- Environmental consultants
- Mining
- Community groups
- Resource recovery facilities

STAFF

Iolar has suitably qualified and experienced staff in the environmental and civil disciplines, specialising in waste management and landfill engineering.



CAPABILITIES

WASTE MANAGEMENT & RESOURCE RECOVERY

- Infrastructure siting
- Waste strategy development and implementation
- Compliance support
- Waste and process audits
- Resource recovery operations advice
- Waste and resource recovery program initiatives
- Tender development, assessment and award and supervision.
- Collection contracts

LANDFILL ENGINEERING

- Site investigations and characterisation
- Site based management plans
- Landfill cell design
- Capping design
- Third party review of designs
- Landform modelling
- Stormwater management infrastructure
- Liner design and leachate collection systems
- Site rehabilitation and closure
- Airspace assessments
- Landfill gas management
- Technical specification and cost estimates
- Tender development, assessment, award and supervision
- Landfill operations and construction advice

ENVIRONMENTAL MANAGEMENT

- Environmental assessments
- Environmental approvals and support
- Monitoring program development
- Environmental monitoring (groundwater, surface water, leachate, landfill gas and dust)
- Capping design
- Third party review of monitoring data
- Stormwater management
- Erosion and sediment control infrastructure

CONSTRUCTION SUPPORT

- Construction management and supervision
- Construction quality assurance
- Landfill liner quality assurance
- Project management Superintendent
- Construction management plans
- Landfill operations support
- Principals representative
- Third party review of completed works or CQA data

PROJECTS

Client: Byron Shire Council

Project: Landfill Operations Advice

Role: Provided specialist technical advice, including staff coaching, data collection and management, and leachate and landfill gas management. Project also included assessing waste disposal options with the impending closure of the landfill, and developing, evaluating, negotiating and implementing a transport and disposal contract. As a result, we also project-managed a number of facility upgrades and process changes.

Client: ATC Williams Pty Ltd

Project: Multiple

Role: Provided project management, review and report writing for a number of ATC Williams landfill and waste management clients on a contract basis. Projects included engineering assessments reports for development applications, site-based management plans, landfill design, and construction quality assurance reporting.

Client: Byron Shire Council

Project: Kerbside Collection Contract

Role: Project Manager for the development, assessment and award of a new kerbside collection contract which included the introduction of a food organics and garden organics collection service. Services included review of the tender document, review of tenders, chair of the tender assessment team, preparation of a tender assessment report and compliance with the probity plan for the contract.

Client: Gold Coast City Council

Project: Landfill management (secondment)

Role: Provided specialist technical advice, data interpretation and reporting, project management and regulatory communication for Council's five landfills. Other projects included preliminary reporting and review of infrastructure upgrades and improvements.

Patrick Navin from Iolar has assisted Byron Shire Council for over two years now as a consultant addressing a wide range of waste management and engineering issues. His work has been exceptional and he conducts himself in an exceptionally professional manner. I would fully recommend and endorse Iolar as a top of the line consultancy company.

*- Lloyd Isaacson,
Environmental Programs Officer,
Byron Shire Council*

Client: Redland City Council

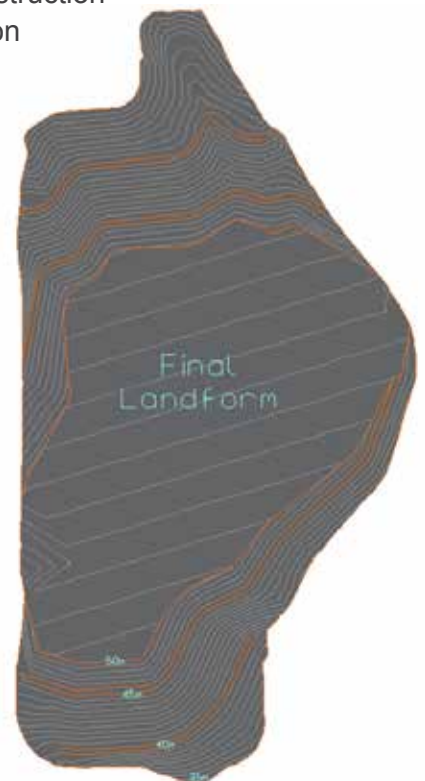
Project: Birkdale Landfill (multiple projects)

Role: Provided supervision of test pitting works to define the landfill liner extent along the western batter. Project included preparing workplace health and safety documentation, method statements, and supervising, managing and reporting works. In addition, Iolar staff also supervised excavation for connection of landfill liner and capping systems.

Client: We Kando Pty Ltd

Project: Chinchilla Waste Management Facility (multiple projects)

Role: Provided specialist technical advice, planning support, environmental assessments, construction advice and support, construction quality assurance, Liaison and negotiation with local government and regulatory authority for various resource recovery activities. Other projects include providing landfill liner construction quality assurance support and reporting, preparation of stormwater management plans and site based management plans for onsite activities.



Client: Waste Management Association of Australia

Project: 5th Australian Landfill and Transfer Station Conference (6-9 August 2013, Gold Coast)

Role: Program Convener (developed the conference program in association with the program committee).

Client: Gold Coast City Council

Project: Resource recovery area mapping

Role: Prepared resource recovery area maps and supporting documentation for submission to the Queensland Department of Environment and Resource Management as part of the landfill levy implementation. Project included preparing AutoCAD drawings for six landfill sites and identifying the designated resource recovery areas as required by legislation.

Client: Redland City Council

Project: Waste collection contract negotiations

Role: Helped negotiate the commencement of new recycling and green waste collection services with the existing waste collection contractor, including preparation of contract variation documentation.

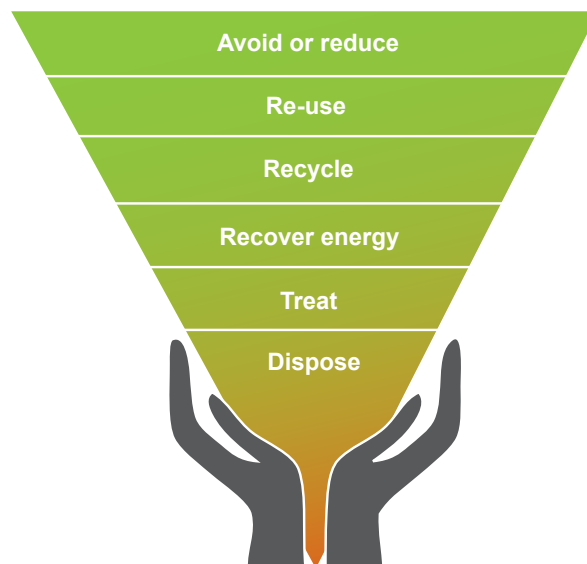
Client: Redland City Council

Project: National Pollutant Inventory (NPI) reporting for waste management facilities

Role: Compiled and submitted NPI reports for Council's Birkdale Landfill and North Stradbroke Island Landfill. Project included liaison with the regulatory authority to determine the need to report for NPI on a number of other facilities.



Supporting the waste management hierarchy



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