



WASTE CLASSIFICATION & RESOURCE RECOVERY

Removal and importation of soils from / to a property requires characterisation to ensure it is appropriately classified and suitable for use.

When soil is proposed to be removed from or imported to a property, it must be classified in accordance with the NSW EPA (2014) *Waste Classification Guidelines* or Resource Recovery Exemptions.

Soil characterisation is based on chemical and physical properties of the soil and usually occurs when:

- ◆ Planning for development requires due diligence soil characterisation to understand financial liabilities.
- ◆ Development works result in surplus or insufficient soils to project needs (i.e. excavation of basement carpark requiring offsite removal, or importation of soils for growing media).
- ◆ The property is contaminated (known or unexpected) and soils are not suitable to remain onsite.
- ◆ Illegally dumped materials require removal.

Metech Consulting assess our client's individual situation and design site-specific solutions to ensure waste minimisation, regulatory compliance and fast turnaround.

Our Services

- ◆ **Technical advice** on disposal and re-use options to meet site-specific requirements.
- ◆ **Due diligence characterisation** of site materials prior to development to understand project financial liabilities.
- ◆ **Material characterisation** for off-site reuse (i.e. Excavated Natural Material, Virgin Excavated Natural Materials and other resource recovery exemptions).
- ◆ **Waste classification** for off-site disposal to landfill where soils do not meet the requirements for resource recovery.
- ◆ **Design** and **prepare** applications for specific Resource Recovery Orders & Exemptions and waste immobilisation.
- ◆ **Negotiate** with regulatory authority (NSW EPA) regarding specific resource recovery orders and exemptions and immobilisation conditions and approvals.
- ◆ **Review of importation documentation** to assess whether the documentation is compliant with the classification.
- ◆ **Compliance sampling** if documentation is lacking or inconsistent with imported materials description.

Our Projects

- ◆ **Waste Characterisation, Ku-ring-gai High School NSW:** Design and implementation of *in-situ* sampling plan for virgin excavated natural material (VENM) where client had assumed all soils required disposal to landfill. The VENM classification provided huge cost savings to our client.
- ◆ **Specific Resource Recovery Order & Exemption, Industrial Facility, Port Kembla NSW:** Successfully designed and prepared application for a specific resource recovery order and exemption to allow soil to be imported at an industrial facility as fill where soils did not meet general resource recovery exemptions.
- ◆ **Material Characterisation, Commercial Facility, St Marys NSW:** Design and implementation of sampling plan for stockpiled materials. Materials successfully classified under resource recovery exemption for recovered fines 'batch process'.
- ◆ **Waste Characterisation, Commercial Facility Kirrawee NSW:** Design and implementation of *in-situ* sampling plan for excavated natural material (ENM) for commercial development.
- ◆ **Stockpile Characterisation, Commercial Facility Moorebank NSW:** Design and implementation of *in-situ* sampling plan for surplus soils at development site to meet EPL requirements of receiving resource recovery facility.



Metech Consulting comprises a team of industry-leading experts in the field of contaminated land, including Certified Environmental Practitioners (CEnvP) supported by our in-house NSW EPA-accredited Site Auditor, offering a full range of contamination assessment and management services.

We partner with industry-leading experts to ensure our client's receive the best value for money and compliance with applicable regulations and guidelines.

Our clients range from individuals, families and small business owners seeking development approval for construction / modification of residential properties to property developers, councils, state government agencies (Transport for NSW, Rail Corporation NSW) and industrial corporations including Transurban, Bluescope and cBus Property.

For more information, please contact us:

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If you require further details regarding *Preliminary and Detailed Site Investigations* or *Property Development*, please refer to our separate summaries.

For more information on how Metech Consulting can help you, please contact us to discuss further or to obtain a no obligation proposal.

