



South African Waste Classification

Waste in South Africa is required to be assessed in accordance with the *National Norms and Standards for the Assessment of Waste for Landfill Disposal* which was published by the Department of Environmental Affairs in August 2013 to prescribe the requirements for the assessment of waste prior to disposal to landfill.

The schedule of defined hazardous wastes published in the *National Environmental Management: Waste Amendment Act* (NEMWA) (Act 26 of 2014) includes wastes across a wide range of industries, from agriculture to mining.

The National norms and standards require classification of waste by comparison to a published list of Total Concentration Thresholds (TCTs) and Leachable Concentrations Thresholds (LCTs).

Jones Environmental Laboratory offers a South Africa Waste Suite, which provides both total concentrations (TCs) and leachable concentrations (LCs) for the full suite of chemicals listed in the norms and standards. Leachates are prepared using the specified Australian Standard Leaching Procedure (ASLP) with the leachate solution specified by the client.

The analysis is as follows:

Metals

- As, B, Ba, Cd, Co, Cr, Cu, Hg, Mn, Mo, Ni, Pb, Sb, Se, V, Zn on aqua regia extracts (TCs) or on ASLP leachate extracts (LCs)
- Cr(VI)

Inorganic Anions

- Total cyanide
- Fluoride, chloride, sulphate and nitrate
- TDS

Organics

- Formaldehyde
- Petroleum hydrocarbons C10 to C36 by GC-FID
- Petroleum hydrocarbons C6 to C9 by GC-FID
- Phenols by HPLC
- Total PCBs by GCMS
- SVOCs by GC-MS
- VOCs by headspace GC-MS

Pesticides

- Aldrin, dieldrin, DDT, DDD, DDE, chlordane, heptachlor, 2,4-D by GC-MS

Jones requires one 60g jar (for VOCs) and a further 120g in glass per sample.

Reports are issued in Excel and PDF and can generally be reported in client specific formats if this is agreed prior to submitting samples.

For further information please contact: Stewart@jones-environmental.co.za or janet@jones-environmental.co.za

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