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Soil Scientists and Environmental Engineers



Capability Statement

Independence

Lanfax Laboratories - an independent, commercial and research organisation with special interests in soil, water and wastewater analysis.

Quality Management Systems

Since 1995 ***Lanfax Laboratories*** has successfully participated in proficiency testing programs with Australasian Soil and Plant Analysis Council (ASPAC) and National Association of Testing Authorities (NATA) to ensure quality control using recognised methods and standard procedures for soil, water and plants.

Water Quality Analysis

Range of tests and assessments to Universities, Government Agencies, Local Authorities, Commercial operators and individuals for:

- Drinking water
- Irrigation and stock water:
- Groundwater impact assessment
- Wastewater reuse and recycling
- Domestic effluent and urban sewage treatment effluent
- Surface and river water monitoring
- Liquid trade waste

Analysis of soil physical and chemical properties

Continual proficiency certification for a range of soil tests to meet clients' requirements for:

- Agricultural & horticultural use
- Wastewater application
- Acid sulphate soils
- Salinity and sodicity

Plant Analysis

Range of tests for viticulture including soil, water and petiole analysis.

On-site Effluent Treatment and Disposal

Provide consultancy for on-site wastewater management including water efficiency audits, wastewater treatment and effluent reuse. Current projects range from domestic systems to on-site management for large developments and small urban areas.

Soil Landscape Assessment and Soil Description

Provide soil assessments including profile descriptions, soil sampling and monitoring.

Current and Recent Projects

- Current and recent projects include:
- Assessment of Australian and New Zealand peat for the treatment of domestic wastewater;
- Continuing independent and collaborative research into the changes in effluent chemistry from domestic households, particularly with laundry detergents;
- Land application of effluent and biosolids from municipal treatment works;
- Decentralised wastewater treatment systems for tourist developments and small communities with land application of reclaimed water; and
- Court appointed expert before NSW Land and Environment Court in wastewater issues.



Commercial and research laboratory for soil, water and plant analysis.
Soil survey and analytical assessments, landscape analysis and plant nutrient relationships,
Wastewater and effluent reuse specialists - on-site and decentralised