



TAILINGS. WATER. WASTE.

MATERIALS CHARACTERISATION

Understanding the materials involved in your project is fundamental to engineering design. With this knowledge, ATC Williams develops uniquely tailored, cost effective and operationally efficient solutions.

The centrepiece of our Materials Characterisation capability is the NATA Accredited ATC Williams laboratory, established in 1993. Our laboratory is strategically developed to offer the highest order tailings and soils testwork services, directly supporting our internal engineering works and client projects.

As a group, ATC Williams delivers lifecycle solutions in Tailings, Water and Waste for the mining, resources, and government sectors.

LABORATORY EXCELLENCE

Secure your projects with innovative and quality solutions.

- ✓ NATA ACCREDITED GEOTECHNICAL LABORATORY TESTING
- ✓ ON-SITE CONSTRUCTION QUALITY CONTROL (CQC) SERVICE
- ✓ STANDARD AND SPECIALTY TESTING SERVICES
- ✓ HIGH-ORDER TAILINGS, SOILS, WATER, AND WASTE TEST WORK
- ✓ GEOTECHNICAL, SLURRY TRANSPORT, AND PUMPING SYSTEM DESIGNS





SERVICE AREA SUPPORT

The wealth of experience offered by our laboratory technicians and engineers, supported by a vast database of material characteristics, provides a unique capability to predict geotechnical conditions and materials behaviour.

Many of these tests require sound professional judgement for meaningful results. ATC Williams has the competency and experience to accurately interpret the geotechnical characteristics of any soil or mine waste, particularly mine tailings. Our high-calibre, NATA-registered services are available to clients across Australia and the globe.



MATERIALS CHARACTERISATION SOLUTIONS

Confidently predict geotechnical conditions and materials behaviour

Provides direct support for internal engineering works, as well as to industry and clients

Uniquely tailored, cost effective and operationally efficient solutions to suit client's needs

Supported by laboratory technicians and engineers with a wealth of experience and by a vast database of material characteristics

Construction quality control (CQC) services for any project

Specialising in Cyclic Triaxial testing, Transportable Moisture Limit testing, Rheology and Pipe-Loop, Soil Moisture Characterisation, and specialised tailings test work

TYPICAL PROJECTS WE DELIVER

You will benefit from our extensive background in construction support and specialist support to our engineering services.

Ask our senior professionals about:

- Tailings and soils specialty testing services, including geotechnical, slurry transport, and pumping system designs
- Uniquely tailored and innovative project-specific testing solutions
- On-site construction quality control (CQC) services ranging from site attendance to a full-time CQC presence
- Comprehensive characterisation of tailings materials to support the specialist design of slurry transport and pumping systems
- Cyclic Triaxial testing, Transportable Moisture Limit testing, Rheology and Pipe-Loop, Soil Moisture Characterisation, and specialised tailings testwork, including shrinkage limit density, dispersion, segregation threshold and Rowe Cell Consolidation

PARTNERSHIPS

Our clients are found in government, infrastructure, and mining. We partner with planners, process designers, equipment suppliers, specialist engineering consultants and laboratories.



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