

SUPPLEMENTARY ANALYTICAL PROCEDURES

ASLP Australian Standard Leaching Procedure (Australian Standards 4439.2 and 4439.3).

CEC Cation Exchange Capacity.

CHPT Constant Head Permeability Test for granular materials (eg sands and gravels).

Emerson Dispersion Testing (eg. Emerson Test AS 1289.3.8.1-1997).

EC Electrical Conductivity (EC).

ESP Exchangeable Sodium Percentage (ESP).

FHPT Falling Head Permeability Test for fine grained materials with intermediate and low hydraulic conductivities (eg. silts, clays).

GeoMet Geometallurgical Testwork (Comminution test methods).

GeoChem Major, trace element bulk rock geochemistry

GeoChem+ Major, trace, U, Th, REE element bulk rock geochemistry

Kinetic Kinetic Geochemical testwork (Rapid oxygen consumption testwork DIIS, 2016).

PSD Particle size distribution.

Mineral Mineral Petrology (mineral habit/grainsize), Scanning Electron Microscopy (SEM) for more detailed fibre analysis.

NAG-Leach Net Acid Generation (NAG) test with leachate (major, trace elements and anions) analysis

OM Optical microscopy.

Pinhole Tunnel Erosion Potential (eg. Pinhole tests AS 1289.3.8.3-1997).

Rill Erodibility (Rill Parameters).

SAR Sodium Absorption Ratio.

SEM Scanning Electron Microscopy.

Static Static Geochemical testwork suite (NAPP, ANC, NAG, sulfur species, iron speciation).

TCLP Toxicity Characteristic Leaching Procedure (USEPA Method 1311)

TDS Total Dissolved Solids measurement.

TSS Total Suspended Solids measurement.

Turb Determination of Turbidity by Nephelometry (US EPA Method 180.1).

XRD Mineralogy by X-Ray Diffraction.

REFERENCES

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