ecotech
environmental monitoring solutions

NATA Accreditation for Ecotech

WHY ACCREDITATION IS IMPORTANT

Accreditation by an industry recognised organisation is important to industries, businesses and communities alike.

Accreditation gives assurance that the highest of standards and requirements are being met to keep workforces and local communities safe, and the environment protected. It is determined by an extensive and strict process of consideration, examination and review, giving the public confidence and knowledge that an accredited organisation consistently practices quality professional services and technical activities.

NATIONAL ASSOCIATION OF TESTING AUTHORITIES (NATA)

NATA is the authority responsible for the accreditation of laboratories, inspection bodies, calibration service providers, producers of reference materials and proficiency testing scheme providers throughout Australia. Through NATA accreditation, there is formal independent assurance that these facilities provide technical competence and produce reliable technical results.

Accreditation is achieved after NATA has assessed an organisation for:

- Competence and experience of its staff
- Integrity of its equipment and materials
- Technical validity of its methods and processes
- Quality of its records and reports

NATA's peer assessments are an integral requirement to maintain accreditation and these are conducted by teams of recognised experts in the particular field of activity or profession, accompanied by highly trained members of NATA's professional staff.

FOR OUR CUSTOMERS

Accreditation is a valuable risk management tool. By selecting an accredited supplier, organisations can be sure of the quality of goods or services they purchase.

Working with a NATA accredited organisation gives businesses confidence in the products and services they are receiving. It also demonstrates a business's due diligence in the event of legal requirement.

ECOTECH COMMITMENT TO NATA ACCREDITATION

Ecotech is NATA accredited for continuous monitoring of ambient air, meteorological monitoring, blast monitoring, calibration services, as well as industrial emissions (CEMS) monitoring. Ecotech's range of NATA accredited services becomes a clear advantage for customers as they now have access to this range of services through a single contractor.

Ecotech field staff are equipped with Ecotech's own industry leading Asset Management System (AMS) to manage site assets, test equipment and associated maintenance tasks in accordance with Australian Standards and NATA requirements. All maintenance and calibration activities are logged and tracked in AMS, facilitating collaboration between client and Ecotech in performing calibration, operation and maintenance in accordance with NATA requirements. Our AMS system provides that additional level of traceability.

WORLD RECOGNISED ACCREDITATION
Accredited for compliance with ISO/IEC 17025

All of Ecotech's facilities comply with the requirements of ISO/IEC 17025/2005. Our NATA capabilities include, but are not limited to:

AIR – INDUSTRIAL EMISSIONS

Oxides of nitrogen
Carbon dioxide
Carbon monoxide
Benzene
Formaldehyde
Sulfur dioxide
Gas flow by ultrasonic techniques
Temperature
Stack particulates – PM2.5, PM10, total suspended
Oxygen

AIR – AMBIENT AIR – CONTINUOUS MONITORING

Oxides of nitrogen
Sulfur dioxide
Carbon monoxide
Hydrocarbons - methane, non-methane, total
Ozone
Carbon dioxide
Hydrogen sulfide
Ammonia
Benzene
Toluene
Para-xylene
visibility reduction
PM2.5, PM10, total suspended (TSP) by high volume sampler and gravimetric techniques
PM2.5, PM10 by TEOM
PM10, PM2.5, TSP by beta attenuation monitor (BAM)
Deposited matter by gravimetric
Dust, TSP, PM10 by gravimetric

AIR – METEOROLOGICAL MONITORING

Wind speed (horizontal)
Wind direction
Temperature – ambient
Relative humidity
Solar radiation - global and net exposure
Rainfall
Barometric pressure

AIR – SAMPLING

Gas dilution system for CEMS
PM10 and TSP by low volume air sampler
PM2.5 by high volume sampler and gravimetric techniques

CALIBRATION – GAS ANALYSERS

Ozone analyser (UV and chemiluminescence) calibration in the range 20ppb - 520ppb
With least uncertainties of measurement of 6.8ppb or 1.8% (whichever is greater)

CALIBRATION – FLOW MEASURING DEVICES

Anemometers in the range 0.3 to 30 m/s with least uncertainties of measurement
1.0% or 0.05 m/s (whichever is greater)
Wind direction devices (wind vane and sonic anemometer) with least uncertainties of measurement of -2º

CALIBRATION – IRRADIANCE MEASURING INSTRUMENTS

Pyranometer in the range 550 to 1100 W/m2 with least uncertainties of measurement of -2.4% of the derived sensitivity factor QV.m2/W

WATERS

Alkalinity (high alkalinity; auto-titrator; classical)
Conductivity (lab and field)
Oxidation reduction potential (lab and field)
pH (lab and field)
Turbidity (lab and field)

WATERS – GROUND WATERS – SAMPLING

Bore water
Ground water
Potable water
Beach sampling

FIELD MEASUREMENT OF SOUND – BLAST MONITORING

Blast monitoring and data collection including measurement of overpressure resulting from mine blasting activities by microphone in the range 65 to 135 dBL

MECHANICAL VIBRATION – GROUND-BORNE VIBRATION

Blast monitoring and data collection including measurement of vibration resulting from mine blasting activities by geophone in the range 0.005 to 24 mm/s

To view the complete list of Ecotech's NATA accreditation, please search the NATA website for accreditation numbers 14184 & 19650: www.nata.com.au/nata/orgs-and-facilities

ECOTECH PTY LTD
T. (Australia) 1300 364 946 T. (International) +61 3 9730 7800 E. info@ecotech.com
Melbourne | Sydney | Brisbane | Perth Karratha | Port Hedland | Auckland

ecotech
environmental monitoring solutions

ecotech.com