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ACCREDITATION

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Water Quality It's a shared responsibility

Your NATA accredited partner in water quality monitoring



ACOEM Group

ecotech.com



Water is life

Industries are becoming more concerned with not just monitoring water usage but also the levels of pollutants that may enter waterways as a result of their processes

Whether you are working within:

- Mining companies, seeking services for compliance, discharge, water balance investigative monitoring;
- Environmental specialist companies, looking for data in real-time to allow for highly accurate modelling;
- Heavy industry, such as refineries and smelters, where process water quality and discharge can be an issue;
- Government and councils, interested in flow and stream height monitoring as well as industry discharge;

We have developed monitoring systems and services to address the need to sustain quality of water. Accurate real-time results are imperative as the impacts of contaminated water can be catastrophic.

Whether monitoring for industrial compliance, environment sustainability, restoration, livelihood, or food and water preservation, we are acutely aware of the importance of reliable water monitoring.

REGULATIONS REQUIRE MONITORING OF:

- Environmental health of ecosystems, fauna and flora;
- Human health to maintain availability and prevent disease;
- Water balance to monitor rainfall, evaporation, human usage; and
- Industry to assess internal controls, regulated controls, process quality and discharge.

THE ECOTECH WATER SAMPLING SERVICE

Mobilisation for water sampling.

Combining experience with technology, ECOTECH's water sampling service is structured to systematically programme sampling operations for customers. A team of specialist field technicians trained in NATA accredited field monitoring procedures will work with site project managers to deliver a reliable, cost-effective system in accordance with strict regulatory standards.



ECOTECH'S WATER SAMPLING CAPABILITIES:

Groundwater sampling

— bores and aquifers.

Low-flow, high-flow monitor sampling along with production and recovery sampling.

Surface water sampling

— rivers, dams, deltas and marshes.

Grab sampling and insitu monitoring of weirs, gauging stations, rainfall and evaporation.

Potable water sampling

— drinking, grey water, irrigation.

Bacterial and chemical analysis via source point sampling of dams and tanks along with random and end point sampling of cribsrooms, kitchens, bathrooms and office taps.

Waste water sampling

— storm, industry, sumps, tanks and drains.

Grab and composite sampling from gauging stations and weirs.

ONLINE WATER MANAGEMENT

Ecotech uses a customisable water monitoring database — the Environmental Water Monitoring System (EWMS).

The EWMS enables storage of detailed site information including GPS mapping and specifications, as well as full sample histories.

Scheduling can be preset to ensure no monitoring or analysis requirements are missed and triggers will alert technicians of exceedances or anomalies. There is an automated chain of custody and samples are traceable from site to our NATA endorsed reports accredited lab. The database can be accessed via any device with internet access and data reports can be exported in a variety of formats.

NATA ACCREDITED WATER LABORATORY

Detection, measurement and monitoring are entirely dependent on certifiable accuracy.

ECOTECH has a fully operational NATA accredited water quality laboratory and accredited reports can be issued for all water quality analyses covered under ECOTECH's current scope. ECOTECH is NATA accredited for field sampling techniques and reporting for most insitu water quality measurements.



COMPLETE INTEGRATED WATER SYSTEMS:

The ECOTECH Water Quality Monitoring Station (WQMS) is the ideal system to measure and sample water discharge or run-off.

Real-time water quality data can be viewed online from remote linked water quality stations including, pH, EC, Level, Temperature, ORP, DO and Turbidity parameters.

These stations can be engineered to be nomadic, self-powering and secure with very low maintenance requirements. The system automates monitoring and collection and sends a notification via SMS or email when a sample collection is made or an exceedance level is measured.

WQMS can be installed insitu down bores, in rivers or process lines and be built to accommodate a variety of power options, such as mains, solar, hydro or wind.

WATER ANALYSER AND INSTRUMENTATION:

Our range of water instrumentation and systems cover an array of specialist products. Whatever industry you're in, and whatever your need, ECOTECH will have the right monitoring system for the job.

We offer products from several specialist manufacturers. Each one has been chosen for a range of applications and backed by the expertise that make ECOTECH a trusted name in water monitoring.

We partner with the world's top manufacturers, such as:

- Tethys multi-parameter monitors
- Chemitec process instruments
- Maxx specialty water samplers
- Mercury Instruments for mercury in water analysers
- Los Gatos Research water isotopes analysers
- Aquaread multi-parameter sondes.

ABOUT ECOTECH:

Problem solved

Problem solving is in our DNA. For over 40 years ECOTECH has pioneered innovative solutions in environmental monitoring for air, water, gas, blast, particulate and dust. Headquartered in Australia, we now operate in more than 80 countries, manage over 440 real-time environmental monitoring sites and are certified to internationally recognised quality standards.

ECOTECH is part of the ACOEM Group.

ABOUT ACOEM:

Reduce your environmental impact

In today's fast-moving world, the environment is increasingly impacted. The ACOEM Group is committed to sustainable development and helping companies and public authorities limit their environmental impact. Across the world, ACOEM's 670 employees innovate in the measurement, analysis and control of all environmental parameters through the 01dB, ECOTECH, ONEPROD, FIXTURLASER, MEAX and METRAVIB brands.

For more information visit acoemgroup.com

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