

FIELD SERVICES



The Australian Water Quality Centre (AWQC) is dedicated to ensuring and responding to the public health requirements relating to the provision of water and wastewater services for communities in Australia and across the world.

One of the great strengths AWQC has to offer is its ability to undertake sampling and collect samples from most areas across South Australia. AWQC offers a comprehensive sampling service which includes the provision of experienced staff with fully equipped vehicles, specialist sampling teams for specific surveys and a efficient courier system including links with courier providers and sampling personnel in remote locations. AWQC is one of a few organisations in Australia with NATA accreditation for sampling and conducts all sample collection according to the documented procedures outlined in its Sampling Manual.

— Specialist water services

Ensuring public health

Our Field Services Team visits approximately 3150 sampling locations, collect 5100 samples, and undertakes 2080 field tests per month. AWQC's Field Services Unit has thirteen vehicles in the field each day covering a radial area of 400km from Adelaide CBD, including two covering the Eyre Peninsula region. Each AWQC Technician covers an average of 75,000 km per year routinely sampling all types of water from a variety of locations including:

- Potable supplies - water treatment plants, distribution systems, storage facilities and customer taps;
- Source water - reservoirs, rivers/streams and groundwater; Marine and freshwater boat surveys;
- Mine sites, power stations, food and beverage industries; Hospitals - collection of Legionella samples from dialysis machines and hot water systems;
- Remote communities - non-potable systems;
- Residential - rainwater and private groundwater bores; Wastewater - wastewater treatment plants and recycled water systems;
- Effluent lagoons and wetlands.

We frequently provide an out of hours service in response to various water quality triggers and incidents, including:

- Incident based investigation;
- Follow up services;
- Environmental observations;
- Event based sampling;
- Research sampling.

Specialised Services

Groundwater Monitoring

Groundwater sampling is conducted in line with methodology outlined in the 'Groundwater Sampling and Analysis – A Field Guide' - Geoscience Australia, 2009. Our Field Services Team can sample groundwater using a range of techniques to suit the clients need. Our preferred option is to use a low flow purging pump which provides the most represented and reliable groundwater sample. This technique ensures pumping is conducted at the well screen and with a flow rate that is below the recharge capacity of the well. Low flow sampling not only ensures you are receiving an accurate representation of the groundwater quality but it also reduces the volume of water required to be purged and the stress applied to your bore through more conventional higher flow methods, therefore increasing the life of the bore.

Online Water Monitoring Equipment

AWQC Field Services supply a maintenance service for online water analysers for a wide range of chemical analysis methods; pH, Conductivity, Turbidity, and Dissolved Oxygen sensors.

Services include:

- Check installation of probes are within manufacturers recommendations;
- Clean and check condition of probes;
- Calibrate probes using quality standards;
- Cross check probe with traceable laboratory produced standards and analytical quality controls;
- Provide written report with maintenance carried out, calibrations conducted, findings and any recommendations.

Sampling Region:

- **Daily** - Adelaide and Mount Lofty Ranges
- **Weekly** - Eyre Peninsula, Northern (Pt Augusta across to Peterborough) and Yorke Peninsula, SA Murray Darling Basin, Murray Mallee
- **Quarterly** - Remote Communities (APY Lands/MT Lands), Northern Railway Towns, Far North Outback Communities and Lower South East

Call us on 1300 653 366
awqc.com.au

