



Water, Wastewater, Irrigation and Effluent Sampling Guide

Welcome to the ARL water, wastewater, irrigation and effluent analysis sampling kit.

Enclosed within the ARL Sampling Kit are the following:

- Submission form
- Freepost courier bag
- ARL sampling kit instructions
- One sampling bottle
- Price list

Taking the samples is as easy as 1-2-3.

1. Firstly read this brochure on how to take your sample.
2. Take the sample by filling the sampling container and seal (each container represents one sample).
3. Complete the details on the submission form.
 - **Sample Name** (This is essential to identify your sample)
 - **Tick testing suite required** (We need this to give you the appropriate optimums to interpret your results against)
4. Place the completed submission form, along with your samples in the freepost courier envelope and drop at your nearest courier post depot or leave at your R.D. mail box for pick up. Keep samples in the fridge if they are not going to be picked up that day.
5. Results are normally available within 5-10 days (depending on analytical suite) of sample receipt at ARL.

How do I sample?

It is essential to take the sample in the clean container and lid supplied. This is to ensure contamination, odour or taste are not imparted to the sample.

- Once sampled, wipe the container dry with a cloth.
- Ensure that the container is watertight by inversion to check for leaks. Do not send a sample if it is leaking (contact ARL if unsure).
- It is best to sample the water in the morning and dispatch the sample as soon as is practical. Samples that cannot be sent immediately should be refrigerated prior to sending.
- Avoid sampling on a Friday to prevent samples sitting around over the weekend.
- Take the sample by filling the sampling container and securely seal (each container represents one sample).
- Complete the details on the submission form.
 - **Sample Name** (This is essential to identify your sample)
 - **Tick testing suite required** (We need this to give you the appropriate optimums to interpret your results against).
- Place the completed submission form, along with your samples in the freepost courier envelope and drop at your nearest courier post depot or leave at your R.D. mail box for pick up.

Sampling Open Waters – sea, lakes, rivers, dams, effluent ponds

- Carefully submerge and completely fill container before sealing securely.

Sampling Reticulated Waters – taps, pumps, pipes

- Open the tap to 2/3 pressure and allow the water to run to waste for 2-3 minutes.
- Completely fill the container and seal securely.

Sampling Ground Water Samples Containing Sediment – partially developed wells

- Samples should be taken using the same procedure as Reticulated waters.
- Results for manganese and iron from partially developed wells or samples that contain sediment will be indicative only.
- Repeat a full analysis when the supply is fully developed.

Sampling Farm Dairy Effluent samples from spray irrigators

- To get a representative sample, effluent samples should be taken at the delivery system (irrigator head). This can easily be done by strategically placing a number of 10 litre pails to collect the effluent spray throughout a defined time period such as a whole milking.
- After milking, collect the 10 litre pails and pour effluent from pails into one pail to mix effluent.
- Carefully submerge sampling container into pail and completely fill.
- Seal sampling container securely.