

Graham Environmental Consulting

It is with pleasure we welcome Bruce Graham back. Many people will recall that Graham Environmental Consulting Ltd was based at our premises about five years ago. For the last three years Bruce has been with the South Pacific Regional Environment Commission in Apia. He has now returned to operate again in NZ with an office at 34 Lincoln Road.

Staff Changes

We welcome Amy Boulton to the staff. Amy has a B.Sc (Hons) from the University of Victoria, British Columbia.

Health and Safety Act

The Act has been revised recently. As a consequence ARM has revised the working policies, especially those associated with test port access.

- working from a simple ladder will no longer be undertaken.
- temporary scaffolding will serve once only; a permanent platform is required for ongoing tests.
- old deteriorating platforms will require upgrading.
- working with stack gases $>300^{\circ}\text{C}$ will require specialist equipment and protective clothing.

New Gas Analyzer

We have recently taken delivery of a Madur flue gas analyser with the following specifications:

oxygen	0–25%
carbon monoxide	0–20000 ppm
nitric oxide	0–5000 ppm
carbon dioxide	0–25%

The instrument has data logging capability and an RS232 interface, as well as a hard-copy print-out.

Clients who are interested in automatic monitoring for these gases are invited to contact us.

Air Resource Management

April 2003

Where we are and how to contact us

Premises

34 Lincoln Road, Henderson

Air Resource Management Limited

P.O. Box 21-639 Henderson
Waitakere City

Phone 0-9-836 0489

Fax 0-9-838 8523

Contacts

Principal: Richard Hoyle

Mobile 027-497-7852

Email rhoyle@clear.net.nz

Principal: Carol McSweeney

DDI 64-9-836 0492

Mobile 021-151 3044

Email cmcsweeney@clear.net.nz

Tyler Hager

Mobile 021-158-8211

Email thager@clear.net.nz

Amy Boulton

Matthew Adair

Mobile 021-478-476

Email m.adair@clear.net.nz

Graham Environmental Consulting

Bruce Graham

Phone 0-9-836-0489

Fax 0-9-838-8523

Mobile 021-324-620

Email Bruce.graham@clear.net.nz

IANZ Accreditation

After much hard work by Carol and Tyler (and not a little expense) ARM has achieved the standard required for registration with International Accreditation NZ.

We are officially accredited for the following tests:

1. Determination of Gas Flow Data.
2. Total Suspended Particulate Emissions; Gravimetric Method.
3. Aldehydes in Stack Emissions.
4. Ambient Aldehyde Measurements.

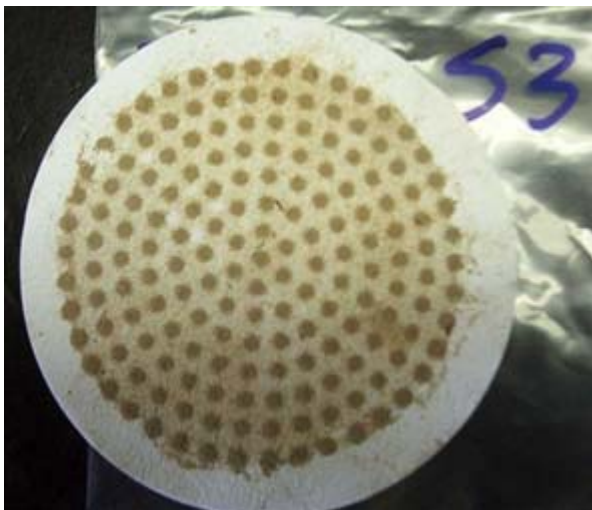
We continue to perform many other tests such as heavy metal emissions, VOC emissions and other toxic gases such as carbon monoxide and nitric oxide. However, reports on these tests will not carry an IANZ certification.



Carol signing an accredited report

Deposit Gauge Particulate

Deposition gauges, more commonly known as deposit gauges, are a very old method of monitoring. The method is based on BS1747 Pt 1 and has been used in NZ for many years. It is empirical, which means it did not meet the exacting standards required by the experts who advised the Ministry for the Environment on their Ambient Air Quality Guidelines.



Particulates collected during one month at one station

We recommend this method of monitoring because

- It is site specific.
- It is cheap to operate, and six or seven gauges can surround a site.
- Monthly results build a record in a comparatively short time.
- It has an identifiable standard of 4 mg per sq m per month.

High Temperature Filters

We have recently purchased a box of quartz filters, good for up to 1000°C. They are useful not only for total particulate tests, but also for subsequent boron analysis in particulate.

Auckland's Air Pollution Problems

Richard attended a public meeting in Auckland City on Tuesday 4 March to hear international air quality and transport specialist Michael Walsh offer solutions that will help us breathe a lot easier.