

# Fresh Air

The Newsletter of Air Resource Management Ltd

November 2004

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## Staff News

After a comparatively quiet period with no staff changes we are now in the middle of a considerable reorganisation.

Carol is leaving to set up in business on her own in occupational health and resource consent consulting. Her new business will be called Air Matters Ltd; phone 9-630-5699.

Tyler will be attending the University of Otago next year doing a postgraduate diploma in environmental science.

Andrew Baddeley is joining the permanent staff after finishing his BE at the University of Auckland.

Darrell Sam is starting his BE next year and will spend the summer holidays with us.

Paul Cowan (NZCS) is joining the part-time staff.

## IANZ Accreditation

We have extended our list of accredited tests to include testing for heavy metals.

Andrew is shortly starting his six-monthly internal audit. There are several new methods in the pipeline for accreditation.

## Growth Continues

In the April Fresh Air we reported record growth for the year ending 31 March 2004. In the six months since then our turnover was up 16%.

Thanks to our loyal clients for this result, and to our staff for their hard work.

## Summer Has Arrived

The wet weather has been the cause of many delays during testing in winter and spring.

Sun tan lotion has now been added to our test equipment.

## Where we are and how to contact us

[www.airresourcemanagement.co.nz](http://www.airresourcemanagement.co.nz)

Please note our new email addresses

### Premises

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### Air Resource Management Limited

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Darrell Sam 021-406-652

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## **Madur Combustion Analyser**

Our first job with this instrument, now that it is back in use, was very successful. Continuous real-time monitoring for CO, CO<sub>2</sub>, O<sub>2</sub>, NO, temperature and time are obtained by direct measurement.

The chart constructed from this data showed very well the effect of changing settings in the boiler being tested. From these measurements the boiler efficiency can be improved through tuning.

## **Ambient Air Quality National Standards**

The Ministry for the Environment (MfE) has recently published National Standards. Unfortunately there are a number of technical errors contained in these standards.

The Clean Air Society of Australia & NZ (CASANZ) has written to the Minister drawing her attention to the errors. The list of these has been circulated to members. It appears that the appropriate technical personnel were not consulted over the final version of these standards.

## **Hazardous Substances And New Organisms Act**

We have been fortunate to have advice from Dr Bruce Graham on the requirements of the HSNO Act as it affects ARM. Although we use small quantities of hazardous substances in the field there are still regulations we have to follow. All clients are invited to contact us if they wish to incorporate our systems with theirs.

We use the matrix (Table 2) on page 19 of Part A of the Environmental Risk Management Authority (ERMA) Document User Guide to HSNO control regulations.



*ARM welcomes Paul Cowan (left) and Andy Baddeley (right)*

## **Resource Consent Air Discharge Permits**

Almost all our clients have air discharge permits. The majority of our work is conducting monitoring to establish compliance with the relevant conditions in the permit.

There has been a gradual evolution in this work.

- The Regional Councils who issue the permits strongly encourage the permit holders to employ consultants with IANZ registration. There is a proposal to make this mandatory in 2005.
- The permits are increasingly subject to review before their expiry date. This exercise most commonly takes place after an application by the permit holder associated with a modification to the permitted process.
- Partly because of the reviews, and also because of changes to Regional Air Plans the monitoring conditions have become more stringent.

- Some proposed conditions have the effect of "persuading" the permit holder to discontinue processing.
- There is an increasing emphasis on real-time monitoring by instrumental analysis.

## **CASANZ Industrial Odour Control Course**

Earlier this month Dale Gould attended this course in Melbourne. Amongst the subjects discussed were odour measurement and assessment, thermal oxidation, chemical wet scrubbing, bio filtration & scrubbing, and polyester resins.

## **0800 SMOKEY**

Did you hear the one about the ARM van being given a ticket for smoking? Make sure you are watching Highway Patrol in a few months time. After the adulterated fuel had been drained the smoking stopped. A miraculous cure. And no, don't ask what the adulteration was and who filled up the tank.