



Mike Lyons & Associates Pty Ltd
Consulting Environmental Chemists

53 Willis Street, Hampton Vic. 3188

Telephone: (03) 9598 3803 Fax: (03) 9598 2174

www.mikelyons.com.au



MIKE LYONS and ASSOCIATES Pty Ltd has nearly forty years of experience in providing environmentally based consulting services to industry and government. We have consolidated our operations into a consultancy dealing specifically with environmental and air quality issues. The company also draws on the expertise of specialised chemists, analysts and engineers from allied areas to provide complete consulting and environmental review facilities. We have established an outstanding rapport with the automotive and printing industries.

The present legislation which is administered by EPA and WorkCover was introduced in the mid-eighties. We were actively involved in some of the initial discussions and meetings that led to these regulations. From 1989 to the present we have been contributing to an industry / EPA working party to prepare a code of practice for the Gravure and Flexographic printing industries. This code has been adopted and is now in operation. The latest review of this code has resulted in EPA Publication 940.

We have kept up to date with the latest developments and have made it a policy to keep our clients informed of relevant changes. The scope of our service has progressively developed to deal with the complex Government requirements applicable to industrial development in this country and New Zealand. We offer our clients comprehensive assistance relating to compliance with these regulations and have a successful track record of providing strong support for negotiations with statutory authorities.

PROJECTS UNDERTAKEN FOR MAJOR CLIENTS

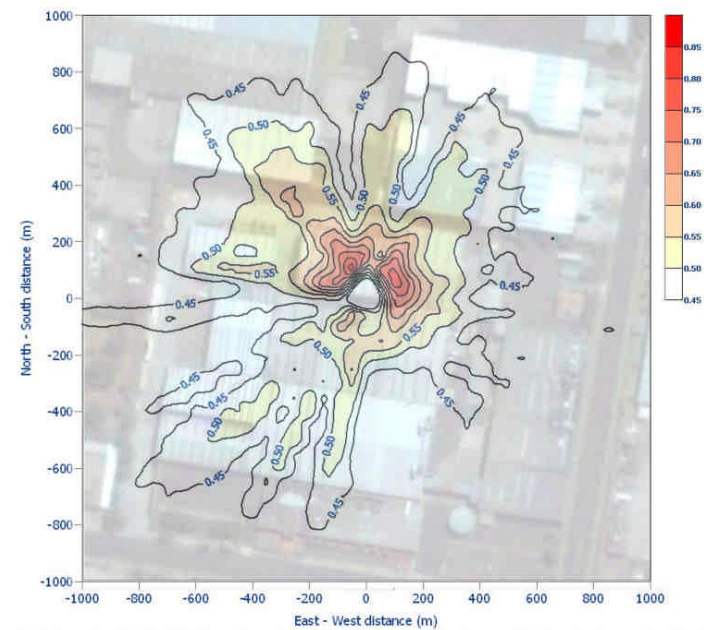
- Motor car and truck manufacturers – Ford, General Motors, Toyota, Nissan, Kenworth.
- Automotive parts suppliers – Hella, Bosch, Venture, FRS, Bridgestone, Bostik and others.
- Heatset web offset printing houses in Australia & New Zealand – PMP Group, Hannanprint Group, Franklin Group.
- Printing and packaging companies – Amcor, Aperio, Visy, Detmold and others.
- Oil refineries in Victoria and New South Wales - Kurnell, PRA, Mobil, Shell, Caltex.
- Hospitals in Victoria and New South Wales – commissioning ward pipelines at Monash Medical Centre, Royal Melbourne Hospital and public and private suburban facilities.
- Several hundred manufacturing industries in Australia and New Zealand.
- Mining industries – Kalgoorlie WA, WMC Roxby Downs SA, Peco Wallsend Tennant Creek NT and Temco Tasmania.
- Australian Defence Dept – projects for HMAS MANOORA, Defence HQ and Watsonia Army Depot.
- Victorian State Government departments.
- Local governments and municipalities.
- Trade associations - committee work

ACCREDITATION

When field services are employed, we ensure operators are registered with the **National Association of Testing Authorities (NATA)**. In the period 1981 to 1994 we completed more than two thousand projects and more than five thousand individual source analyses using our own field services and under our own registration. Since 1994 we have dedicated our resources to providing a comprehensive consulting service and now engage external services for source sampling, analysis and occupational health measurements.

CONSULTATION SERVICES TO INDUSTRY

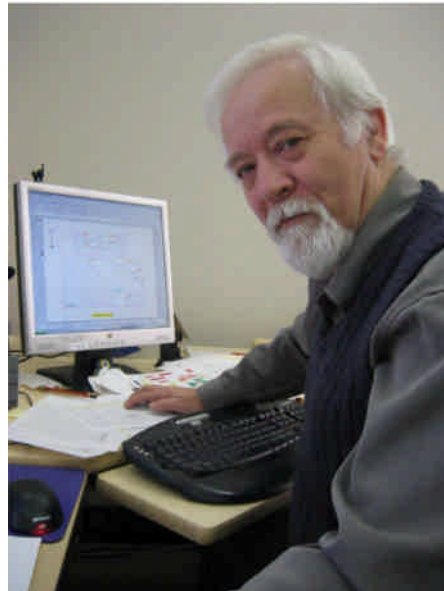
- Preparation of **EPA Works Approval applications** for industries in Victoria, our company being responsible for a significant proportion of applications made since the inception of this process in the 1980s.
- **National Pollutant Inventory reporting.** We offer a comprehensive spreadsheet calculation service to a wide range of clients, incorporating data acquisition, process usage, waste transfers and on-line reporting from their sites.
- **Annual Environmental reports.** In many cases, these reports can be generated from the spreadsheet.
- Dispersion modelling using the latest EPA approved **"AUSPLUME"** program. This package is approved under the requirements of the State Environment Protection Policy (SEPP). Given the number, disposition and emission inventories from exhaust stacks on a site, we are able to produce a model showing probable ground level concentrations of odour, solvents, particulate matter to be expected from an existing industry. In many cases we are able to work from material purchases to estimate emission levels. We produce contour maps of ground level concentrations (GLC's) using dedicated software, with these contours overlaid on a relevant background. This gives an easily-read guide to site compliance.



- Production and emission data management.
- Environmental Management Plans.
- Waste Management Plans.
- Liaison with Commonwealth, State and Local authorities on environmental issues.
- Exhaust stack emission assessment.
- "Troubleshooting" on air quality problems.
- Industrial air quality investigations.
- Assessment of risk associated with air discharges.



PROFILE - MIKE LYONS



NAME Michael Lyons MRACI, C Chem
NATIONALITY Australian
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MEMBERSHIP OF PROFESSIONAL ORGANISATIONS AND COMMITTEES

- 1975-77 Initial member of the Plastics Institute of Australia - Consultants' Committee.
- 1982-Current Member of the Royal Australian Chemical Institute (MRACI).
Chartered Chemist, Australia (C. Chem).
- 1983-89 Initial and Committee member of the RACI Environmental Toxicology group.
- 1984-94 Member and signatory of National Association of Testing Authorities (NATA).
- 1980-Current Member of the Clean Air Society of Australia and New Zealand.
- 1989-Current Membership of EPA / Industry committees to develop Schedule F and code of practice requirements for the gravure and flexographic industries.



1964 **Winstones Inks Ltd** London, England

Development chemist in charge of formulation of printing inks - involved in news ink design for Fleet Street newspapers, export formulations, development of glycol based systems, and introduction of alkyd technology to heatset web offset ink manufacture.

1969 **R Collie & Co. Pty Ltd** Melbourne, Australia

Senior development chemist in charge of medium and long-term projects, evaluation of new raw materials, and cooperation with raw material suppliers and customers on new process formulations. Developed new series of metal decorating inks for steel cans. Interstate coordination and troubleshooting, investigation of new manufacturing methods and supervision of small research unit.

1972 – 82 **Mercuri Research** Melbourne, Australia

Self-employed consultant to the surface coating industry - printers, converters, paint and varnish makers.

1972 – 82 **Mercuri Research** Melbourne, Australia

Sub-contracted to a public analyst, working in the fields of environmental analysis, measurement of stack exhaust emissions for EPA/SPCC licensing, assessment of workplace environment hazards and allied subjects. General chemical analysis, mostly instrumental (GC, AA, IR, and UV/Visible) as well as field consultation and forensic work.

1987 – 96 **Micronisers Pty Ltd** Melbourne, Australia

Co-director and co-founder of a custom milling operation to produce ultra-fine particles, for use in the plastics and allied industries.

1982 – 94 **Mike Lyons & Associates Pty Ltd** Melbourne, Australia

Self-employed with our own NATA accredited laboratory services set up for environmental analysis, working for industry, State and Commonwealth Governments, Defence Forces, Local Governments, chemical engineers, mining industry, and hospitals. Field surveying and analytical services used in assessment of workplace health and safety. Adviser in litigation involving environmental matters.

1994-Current **Mike Lyons & Associates Pty Ltd** Melbourne, Australia

Expansion of consulting and engineering services into the areas of works approvals, plume dispersion modelling (Ausplume), environmental management, and cleaner production. After the introduction of the National Pollutant Inventory, we provided clients with comprehensive annual spreadsheet reporting systems.

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