

capability statement

industrial air emissions



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Air Quality Professionals offers specialist expertise in the measurement, analysis, prediction, and control of emissions to air from a wide range of industrial applications.

Industrial manufacturing plants can discharge a wide range of air pollutants to the atmosphere. These pollutants have the potential to cause health effects for people living near the industrial sites, and may also cause nuisance effects (due to dust or odour), detrimental vegetation effects, or physical damage to property such as the etching of glass.

The pollutants that can be discharged include fine particulate, sulphur and nitrogen oxides, heavy metals, carbon monoxide, ozone, fluorides and chlorides, dioxins, volatile organic compounds, reduced sulphides, and complex organics. Acceptable concentrations of these pollutants in the atmosphere are controlled by State and Federal regulations.

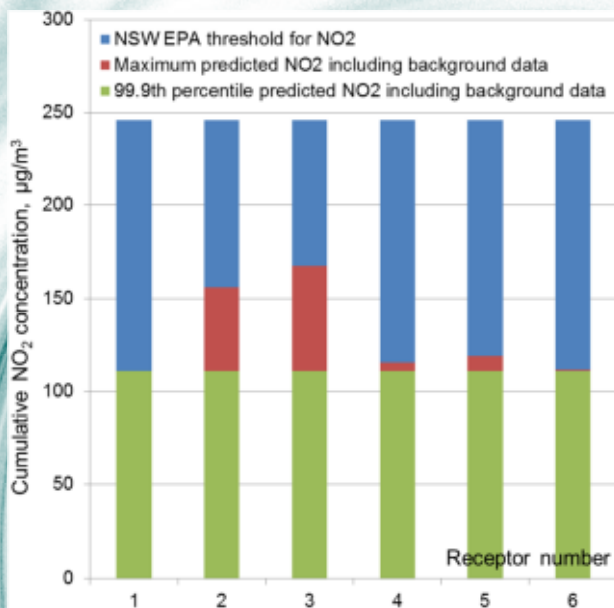
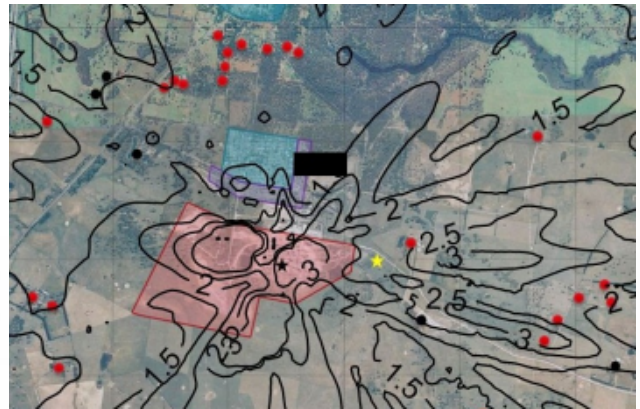


Air Quality Professionals offers a comprehensive service in the assessment of impacts of air discharges from industrial premises, with Principal Air Quality Consultant Tracy Freeman having 20 years' experience in the area of industrial air quality assessment, control and management.



services offered

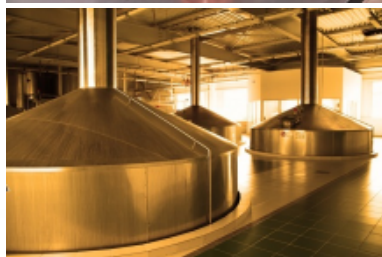
- Scoping of air quality issues to determine extent of impacts and appropriate investigation strategies
- Source apportionment – what are the main contributors to off-site air quality impacts
- Stack height optimisation studies
- Targeted and strategic long term emission control plans
- Emission measurement at source, and ambient/community monitoring
- Atmospheric dispersion modelling
- Benchmarking/validation of model against known or measured impacts
- Impact risk assessment interpreted from model results



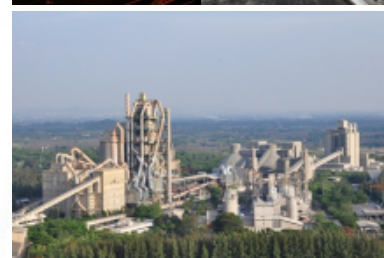
- Stakeholder, community and regulatory consultation
- Emission control equipment options, trialling, and performance evaluation
- Management Plans
- Environmental Impact Statements
- Works Approvals, Development & Planning Approvals
- Licence conditions negotiations
- Land use and amenity conflicts
- Buffer distance recommendations
- Independent peer review of assessments prepared by others
- Credible and experienced expert witness evidence



industrial activity experience



- Food and beverage production, brewing
- Dairy and milk product processing
- Intensive farming practices (poultry, pig and beef)
- Meat and skins processing – abattoirs, rendering, fellmongery, tannery, woolscouring
- Vegetable and plant processing
- Co-generation
- Power generation
- Metals refining and production
- Coal handling
- Cement and lime works
- Fertiliser manufacturing
- Mining and mineral extraction
- Pulp and paper mills
- Timber processing & treatment
- Wood products – particleboard, MDF, wood panels, pellets, sawdust/chip drying
- Chemical products
- Foam latex, insulation, other manufacturing
- Ports (land and seaside operations)
- Asphalt production
- Wastewater treatment
- Composting
- Landfilling and waste disposal





Introducing Tracy Freeman

Tracy is the Principal Air Quality Consultant at Air Quality Professionals P/L, and is also the company Director. Tracy has 20 years' experience in environmental and air quality consultancy with a background of chemical and process engineering education. She is widely recognised as an expert in air quality issues, and has provided advice on industrial emissions, NEPM compliance, dispersion modelling, ambient air quality and meteorological monitoring, nuisance impacts (dust, odour) and air quality licence compliance issues to a broad range of industries and municipal/infrastructure activities.



Tracy has also conducted multiple formal training courses in atmospheric dispersion modelling, including AUSPLUME and CALPUFF, and is well respected for her competence in the area of modelling and consequential interpretation of impact or nuisance risk assessment.

For further information or to discuss your project needs, please contact Tracy at (+61) 409 165319 or tracy@airqp.com.au, or visit our website www.airqp.com.au

