

OIL AND GAS

Our company

Zephyr Environmental (Zephyr), is a boutique environmental consulting practice specialising in air quality and carbon management. We aim to form enduring and trust-based relationships with our clients to help them solve their most challenging environmental problems.

Our decentralised and agile structure enables us to handle the most complex assignments while remaining small enough to prioritise excellence in delivery while minimising business disruption for our clients. Our value lies in de-risking projects and providing trusted expert advice.

Our core value is 'We are a breath of fresh air, to our clients and our people.'
This is more than just a tagline; we strive to ensure that our clients have a significantly different, positive experience when working with us.



We strive to deliver practical, defensible advice that de-risks operations to ensure good environmental outcomes.

Services we provide:



Meteorological modelling



Air quality monitoring programs



Odour & dust management



Regional airshed management



Environmental & GHG audit / assurance



Air emissions management



Carbon mitigation & management



Data analysis & interpretation



Atmospheric dispersion modelling



Flagship Oil and Gas Projects

AQIA of Gas Drainage Project, NSW

Technical support for the modification to a Gas Drainage Project for future goaf drainage activities. Several options for goaf drainage were investigated. Gas was to be extracted from each well and reticulated back via an existing gas management system to power plants for electricity generation. Dispersion modelling for the operation of the flares at the two sites was conducted and predicted that ground level concentrations for all pollutants assessed would be below the relevant impact assessment criteria.

Air Quality and Greenhouse Gas Assessments for Gas Project

Air quality assessment for proposed modifications to a Gas Project development consent. This required re-evaluation of four components: gas field development area, pipeline, central processing facility and receiving station.

Tail Gas Processing Assessment at LNG Storage Facility

Undertook air quality, greenhouse gas and plume rise assessments for LNG storage facility modifications including condensate flaring and a range of plant processes.

Greenhouse Gas and Air Emission Consultant for NOPSEMA

Provided expert advice as part of an assessment team to support and inform decision-making on the EPs submitted in relation to offshore petroleum activities under the Offshore Petroleum and Greenhouse Gas Storage (OPGGs) Environment Regulations.



Air Quality and Greenhouse Gas Assessments for Coal Seam Gas Pilot Wells, NSW

Completion of air quality and greenhouse gas assessments for three separate pilot wells located within the Hunter Valley and Gloucester Basin development areas.

Review of techniques for monitoring fugitive methane emissions of coal seam gas

Review for measuring fugitive emissions in the field, with the aim of identifying best practice techniques. The engagement also included identifying a preferred technique as the basis of a leak detection and repair program.

If these case studies — or any of the other services we offer — sound like they could add value, please don't hesitate to reach out. Our team is always ready to discuss your goals, answer any questions, and explore how we can best support your success.

Get in touch with our team at:



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Zephyr Environmental



www.zephyrenviro.com