



Laboratories

We do not compromise on health and safety.



GeoGAS

WITH OVER 20 YEARS OF EXPERIENCE
IN GAS CONTENT TESTING AND
REPORTING SERVICES, AND ONE OF
THE MOST COMPREHENSIVE COAL GAS
TESTING DATABASES IN AUSTRALIA, IT
IS NO SURPRISE THAT GEOGAS CAN
GIVE YOU UNRIVALLED SERVICE.

Our vast domain knowledge, a demonstrated focus on safety and two state-of-the-art, purpose-built laboratories, mean that GeoGAS will reduce your risk exposure and meet all your gas testing needs with safety and certainty.

Testing and analysis

GeoGAS is the one-stop-shop for all your exploration, compliance and gas content testing needs for the mining and Coal Seam Gas industry.

No other provider can match our knowledge and experience. No other provider can match our demonstrated record of outburst risk reduction and safety.

GeoGAS has a NATA accredited Quality System.

GeoGAS will deliver certainty in testing.

Our services include:

- Two state-of-the-art laboratories in Mackay and Wollongong
- Gas content testing carried out in accordance with the latest Australian (AS 3980) and American (ASTM D7569) standards
 - Fast and Slow Desorption
 - Q2 and Q3 measurements in the laboratory
- NATA accredited gas composition testing
- Coal quality analysis
- Gas Sorption Isotherm testing which includes
 - Methane (CH₄) and Carbon Dioxide (CO₂)
 - Capacity to handle multiple samples at the same time
 - Reservoir temperatures from ambient to 80°C, to +/- 0.1°C
- Petrography services to the ISO 7404 standard. Maceral and Vitrinite reflectance analysis on single or blended coals



GeoGAS has undertaken more than 25,000 tests for gas content. We possess an impressive database for validation and can provide our customers with model ready data.

Reporting

GEOGAS DELIVERS RESULTS UPON WHICH YOU CAN RELY.

Rely on our comprehensive database for data validation. Rely on our experience. Rely on the best in the industry.

You can rely on GeoGAS reports to deliver not just data, but understanding and confidence in the results. We give you the knowledge that will let you move forward with a complete grasp of your project risks and opportunities.



The Mackay and Wollongong Laboratories are in close proximity to major coal basins and convenient to customers allowing faster turnaround times.

Equipment hire

- Stainless steel canisters (HQ and PQ specifications)
- Canister stands
- Q1 test kits

GeoGAS sets the standard in canisters. Made to our exacting, expert standards, our purpose-built canisters and test kits are sought after internationally for their strength and practical design. Our canisters are trusted every day for their reliability and safety.

Visit www.geogas.com.au to find your closest laboratory.



Our canisters represent over 20 years of research, innovation and continual enhancement, resulting in them being the most convenient, safest method of achieving accurate and reliable results.

Training

GeoGAS offers courses targeted at the gas industry, covering Q1 Field Desorption testing, Coal Seam Gas Reservoir Assessment and more. For more information, or to request a brochure, visit the website at www.geogas.com.au

Other consulting services

Gas Assets for Underground Mining

- Gas reservoir characterisation
- Gas drainage design and modelling (SIS (surface-to-inseam) and underground boreholes)
- Development gas emission assessment and modelling
- Longwall gas emission assessment and modelling
- Development and longwall emission benchmarking
- Mine ventilation modelling
- Gas management strategy (review ventilation planning, define pre-drainage requirements, define conceptual pre-drainage design, define conceptual post drainage requirements)
- Assessment of the gas production profile

Coal Seam Gas Resource Assessment for Energy Companies

- Due diligence
- Coal gas reservoir characterisation
- Reservoir modelling
- Resource certification

Greenhouse Gas for Open Cut Coal Mines

- Assessment of the Greenhouse Gas emission for reporting annual carbon emissions under NGER guidelines for open cut mines.

About GeoGAS

In 1990 GeoGAS opened its first laboratory in Wollongong. From this site GeoGAS developed ground-breaking gas testing approaches such as the Desorption Rate Index (DRI), which allowed Australian underground coal mines to accurately assess the risk of outbursts and ensure a safe working environment for their staff.

With laboratories in Mackay and Wollongong, GeoGAS is ideally located to service the Bowen Basin and Hunter Valley mining regions. GeoGAS' high quality services are also sought after internationally and in 2012 it was named a finalist at the Premier of Queensland's Export Awards.

In 2007 GeoGAS was acquired by RungePincockMincarco Limited, the world's largest publicly listed independent group of mining technical experts.

GeoGAS was granted NATA accreditation of its Quality System in 2013.



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GeoGAS

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