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Core Values

As a company we can trace our history back to 1863, our core values drive the decisions we make today in building on this legacy.

Company Overview

As a global leader in the testing, inspection and certification industry, ALS is focused on delivering high quality client solutions.

We provide services to government, multi-national companies, manufacturers, retailers, consultants, and mining companies across the world. ALS processes more than 20 million samples per year and is one of the largest TIC companies in the world.

At ALS we are committed to assuring our community by providing high quality, innovative, professional testing services to help our client make informed decisions. We support clients to ensure their businesses operate in the most efficient, environmentally and socially responsible, market competitive way possible.

Our global scale benefits clients through technical leadership, access to emerging technology and regulatory trends, and a large pool of technical experts. This is balanced with a local focus to provide ease of use and market specific knowledge and services.
At ALS we strive to provide clients with a service that meets and exceeds their expectations. Our commitment to good science and personal service is backed by a thorough and constantly improving quality management system. We are evolving our services to improve your ALS experience. When working with ALS, clients can expect:

- Service delivery and laboratory result turnaround to meet your project requirements. This includes rapid turnaround on projects which are time sensitive and critical.
- Dedicated client and project management to provide ease of use.
- Extensive experience and deep industry knowledge through working with a wide range of clients and programs.
- World class laboratory facilities to provide an environment that supports quality and accuracy, and with a scale to run large client projects.
- Technical resources to help solve problems.
- Technology solutions to help manage your projects and laboratory data.
- Access to the latest analytical technology to achieve required limits of reporting.
- A global network that provides knowledge of emerging regulatory trends, and is supported by the release of regular technical bulletins and social media posts.
- A commitment to safety as a priority

“ALS staff are always courteous, and I’m able to quickly reach analysts for discussions to tailor requirements to suit whatever problem I’m working on.”

CONSULTING FIRM
“If I ever have questions about sampling or analysis, I go directly to ALS. The staff are extremely knowledgeable and helpful.”

The ALS network includes 24 locations and continues to grow. Hub laboratory facilities are currently located in Brisbane, Canberra, Melbourne (Springvale and Scoresby), Perth and Sydney.

Regional laboratories are located in Bendigo, Geelong, Nowra, Newcastle, Mudgee, Traralgon, Townsville and Wangaratta. Service offices are located in Adelaide, Roma, Gladstone, Chinchilla, Wollongong, Darwin, and Mackay. Our Hyrographics team are located in Canberra, Mackay, Melbourne, Penrith and Rockhampton.

The network performs an extensive range of chemical, microbiological, radiological and biological analysis to meet the needs of local and regional clients.

In addition, a number of other service lines such as Geochemistry, Metallurgy, Coal, Oil Fuel & Coolant Analysis, and Oil & Gas provide support for local mining and industry clients in several regional centres.

Inter-office support and courier arrangements facilitate timely access to the full range of services and on-time delivery of results.
Environmental Overview

ALS is a growing and dynamic provider of environmental analytical solutions. High quality data, safety leadership, excellent quality systems, service integrity, technical excellence, strong innovation and R&D are what our clients both expect and receive. Our clients acknowledge the expert technical support, client service and training, which is why they continuously rate ALS so highly in Net Promoter Surveys.

As the largest and most diverse provider of commercial environmental analytical services in Australia, ALS caters to a number of distinct environmental market sectors including Occupational Hygiene, acid sulfate soil, acid mine drainage, air, dust, soil gas, coal steam gas, mine gas and fugitive emissions plus sediment and biota testing.

ALS is committed to timely service delivery and reliability, and delivering innovative, efficient and cost effective solutions to a broad client base. Our Australian environmental laboratory and field operations employ almost 900 professional and support staff including NATA assessors and Laboratory Approved Signatories, and individuals widely recognised as industry leaders. People and knowledge are key priorities for ALS and as such, internal development programmes are routinely run to foster both technical and business skills. The global reach of ALS' environmental laboratory network extends to Asia, Europe and the Americas, which facilitates the sharing of world’s best practice and emerging analytical capabilities.

Our broad client base includes national, state and local governments, private industry, multinationals, utilities, major mining and resource companies. ALS is a strong supporter of industry associations such as AWA, ACLCA, CRCCARE and ALGA and regularly provides training and technical support for clients focusing especially on the development of graduates within the industry.
"ALS is easy to work with and although they have the full experience and support of a great big nationwide lab, it's nice to feel like you are dealing with your local lab."

ECOTOXICOLOGY COMPANY

The ALS network of NATA accredited laboratories, hydrographics operations and service centres across Australia provide efficient and local access for clients to leading capabilities.

ALS provides chemical, biological, physical, radiological and microbiological testing capabilities to the wider environmental industry including consulting, government, water, mining, waste, oil and gas, occupational hygiene and general industry sectors across Australia.

Environmental
In addition to a large range of routine services, ALS offers the following specialist capabilities:

- Acid Rock Drainage including Column leaches
- Acid Sulfate Soils – AVS, CRS and SPOCAS
- AOX (Adsorbable Organic Halides)
- Asbestos
- Bioavailable metals in Sediment
- Coal Seam Gas Testing
- Dioxins and Furans and co-planar PCBs
- Methyl Mercury
- Organics in Ambient Air by Canister
- PBDEs
- Pesticides & Herbicides to ppt levels
- PAHs to ppt levels in waters
- OCPs to ppt levels to meet ANZECC 99
- PFOS/PFOA, 6:2 FTS plus extended AFFFs
- Radionuclides
- Sizing and foreign material testing
- Snap Sampling Analysis Capabilities
- Soil Gas
- Speciated Arsenic and Selenium
- Trace metals in fresh and saline water
- Ultra Trace Inorganics and Organics in Sediment
- Ultra Trace Perchlorate and Explosives
- Ultra Trace VOCs and SVOCs

Occupational Hygiene

- Asbestos (including Air & Tapes)
- Diesel Particulate Matter
- Dusts (inspirable and respirable) including metals
- Indoor Air Quality (Canisters)
- PAHs and Pesticides in Air
- Respirable Crystalline Silica
- Swabs and Wipes
- VOCs in air
- Welding Fumes
- Ameoba
- Oil Mist
Water
ALS provides chemical, biological, radiological, pathogenic and microbiological testing solutions to the greater water industry including all sectors from catchment and waste water to desalination and tap water.

- Algal Toxins
- Bacteroides
- Blue Green Algae
- Cryptosporidium and Giardia
- Cryptosporidium Genotyping and Infectivity
- Challenge Testing of Treatment Plants
- Disinfection by-products
- Geosmin/MIB
- Haloacetic Acids
- Helminths
- Microbial Source Tracking
- Microtox
- NDMA and extended nitrosamines
- Pathogens
- Pesticides, Herbicides and PCBs to ppt levels
- Pharmaceuticals, Steroids and Endocrine Disruptors
- Quantitative Polymerase Chain Reaction (qPCR)
- Radionuclides – Gross α & β, and Ra 226 & 228
- Sizings in water
- Trace metals in fresh and saline water
- Ultra Trace nutrients
- Ultra Trace Perchlorate and Oxyhalides
- Ultra Trace VOCs and SVOCs
- Viruses

Hydrographics
ALS can design, install, operate and maintain a wide range of environmental monitoring systems and utilise these to monitor physical and quality parameters. Major clients include water and mining sectors where real time data on weather, water levels, dust and flows are required to support business, quality and compliance decisions.

- Data collection, telemetry, management and reporting
- Rainfall, weather and climate monitoring
- Water level flow and quality
- Remote Environmental Minesite Monitoring
- Instrument supply and operation
- Flood Warning Systems
- Waste Discharge Automated Monitoring
- Ambient air, dust and noise

Market Sectors Serviced
ALS’ technically focused operations offer the largest combined range of analytical testing solutions to the Australian environmental industry. ALS R&D departments focus on technical leadership and developing solutions for emerging client needs.

An expansive laboratory network and comprehensive sample pickup and courier system facilitates customer access to a broad range of services, skills and expertise from almost any region in Australia. Our laboratories are NATA accredited to ISO 17025 and equipped with the latest analytical laboratory instrumentation to provide clients with reliable and timely results.
Health, **Safety** and the **Environment** as a priority

ALS is committed to a safe work culture. Our global minimum standard assists in managing health, safety and environment risks. ALS employs a team of Health and Safety professionals at both regional and corporate level to support continual improvement and best practice.

ALS believes the meeting of its safety and environmental obligations is essential to our long-term success. The company imparts its safety and environmental values from the first day the employee commences work with the company and throughout their term as a valued employee.

**We do this by:**

- Comprehensive safety training as part of the employee onboarding process
- Ongoing Training such as tool box talks, formal training on core topics, regular whole staff site safety address, and personalised training where identified via risk assessments
- Integration with our day to day operations via our “safety first” program and BSI AS4801, OHSAS18001 and ISO14001 certified HSE management systems
- Auditing, reporting and review at all levels of the organization

ALS has a core value of “**Safety as a Priority**”. Being an employee of ALS is about putting safety first. This approach is identical for staff working in ALS Lima, Vancouver, Johannesburg, Hong Kong, or Sydney.

As part of this global approach, the minimum standard is driven by an ethic to deliver a consistently friendly and safe approach to work, regardless of differences in local laws.

**The ALS HSE Minimum Standard requires each business to manage key risks by adopting the following:**

- Ensuring health, safety and environmental resources are available;
- Ensuring managers are aware of their responsibilities;
- Implementing a plan for managing injuries and site emergencies;
- Ensuring contractors work safely;
- Ensuring that key safety information is available for all staff to view;
- Providing training on key safety risks;
- Ensuring that staff have an opportunity to provide feedback;
- Ensuring that work areas are designed and maintained in a safe manner
- Ensuring that all incidents are reported so we can learn from our experiences;
- Completing a review of health and safety issues on a regular basis; and
- Ensuring that a monthly site audit of Safety issues is conducted.

Fixed schedules are in place for auditing, reporting and review of the HSE management system by staff, supervisors, and management.

**Environment**

ALS is committed to minimizing its environmental footprint. To support this goal, each laboratory adheres to relevant legislation in their jurisdiction for waste storage and disposal. Samples and wastes are recycled or disposed in an environmentally responsible manner. Containers and packaging are recycled wherever possible.

**Lost Time Injuries (LTIFR)**

ALS continually tracks and strives to improve safety performance. Data was tracked regionally and globally with key information reported to staff and discussed at meetings and toolbox talks. The Environmental service line achieved three years and 4.015 million hours worked without an LTI in late 2014. The five year moving average LTIFR was 0.448 as at December 2017.

**Positive Performance Indicators**

The Positive Performance Indicators (PPI) System is designed as a proactive mechanism to continually improve safety culture.

The PPI resets at Zero on April 1 for leadership, training and programme with the goal of achieving a score of >90% by March 31st the following year.

The ALS Environmental Australia current score as at March 2017 is 90.00%.

**PPI Chart**

Profile: Environmental – Australia
Financial Year: April 2016 – March 2017
Total score: 90.00%
Staff hours (12 mth rolling average): 1,238,307
Service Approach and Value Added Services

Our growth has been built on long-term relationships. Our clients are accustomed to receiving high quality data, technical support and excellent communication.

This approach includes project and client managers, skilled and qualified client services teams, access to technical experts and a management team committed to service delivery.

Service Inclusions

Our clients have access to a number of value-add services including:

- Preserved labelled containers with appropriately ‘risk phrases’
- MSDS access
- Eskies and ice bricks to facilitate sample chilling
- Full Chain of Custody Protocols including Receipt acknowledgement
- Project management services
- Expert technical advice, presentations and support
- World class automated reporting to assist auditor review and aid Quality Objective (DQO) compliance (see below)
- Industry training and Technical Workshops.
- Technical EnviroMails™
- Industry training for graduates.

Webtrieve™ / EcoOnline

Webtrieve™ is a secure internet based system that allows direct access to data. Features include:

- Real-time access to analytical results as they are approved, including via iPhone (Webtrieve only)
- Remote downloading of analytical reports and method information
- Tools for data management, including merging multiple work orders and comparison to guidelines
- Rapid retrieval of reports, results, invoices and more.

Data Management Support

ALS has a proven record of assisting clients with data management system implementations including mapping to facilitate direct upload into client databases. ALS also provides:

- Leading tailored electronic data delivery formats including ESDAT, EQUIS and many tailored solutions.
- Legacy data in new EDD formats typically once developed to populate client historical databases.

Laboratory QA/QC Assessment to Assist Project DQO Evaluation and Reporting

ALS provides world class reporting including Certificates of Analysis, Quality Control Reports, QA/QC assessment for DQO reporting and in some cases, guideline comparison reports e.g. for waste classification. DQO assessment reports automatically summarise all aspects of the Quality Control Report plus several key quality assurance aspects. These reports assist data verification, significantly reducing validation time and assisting internal and external Auditor review.

Technical Bulletins EnviroMail™/HydroMail

These publications are designed to communicate technical developments and act as an educational resource. Sampling/preservation and analysis information on new or emerging contaminants of concern, publications, new technologies, guidelines and key industry information are routinely featured. Subscribe online, or download from the ALS website at www.alsglobal.com.
Quality assurance program built for client needs

Quality Management System

ALS is committed to consistently providing quality data and service to satisfy the requirements of each client. ALS methodologies are designed to meet the regulatory needs of each market sector in accordance with relevant state and national guidelines.

ALS achieves and maintains its high standard through a quality system focus combined with documented policies and procedures. The system is supported by a dedicated team of highly experienced professionals who maintain the Quality Management System, conduct internal audits and proficiency programs (third party and intra-lab), staff competency and knowledge audits, control documentation, identify improvement opportunities and assist in training and compliance. External audits are also a key aspect of the focus on continuous improvement. ALS Environmental Division laboratories are ISO 17025 (NATA) accredited for testing and Hydrographics offices are ISO 9001 certified.

ALS employs a multi-layered approach to optimising quality including:

- Blanks and Duplicates
- Matrix Spikes and Surrogates
- Laboratory controls and Standard Reference Materials
- Analyst comparisons and Blind samples
- Long term participation in international Proficiency Testing programmes
- Final review and approval by a signatory

Many systems are in excess of the Australian industry standard. Key aspects include:

- Management of Change (MOC) procedures
- Continual review MDL Studies
- Nationally managed internal audit schedules
- Quality Verification of Solvents, Containers, Rinsate Water, Preservatives and Acids prior to use
- Monitoring of fridges and workplace for potential airborne contaminants.

ALS policy:

- Generate scientifically sound and legally defensible data
- Provide high quality testing services in compliance with accreditation and regulatory requirements

Scheduled internal audits are performed on all quality management system elements. System audits are qualitative evaluations of all components of the laboratory systems. They determine if the measurement systems are being used appropriately. Such audits typically involve a comparison of the activities given in the QA Manual with those actually scheduled or performed and are conducted by a Quality Assurance Manager at each facility. Audit findings are used by ALS to improve process performance.

Staff Accreditations

The development of staff and provision of industry support is important to ALS. Our team includes:

- Laboratory approved NATA equivalent signatories
- 15 NATA technical assessors
- 3 EPA Victoria approved analysts
- 3 EPA Victoria approved analysts.
Logistics and Maximising Sampling Efficiency

“ALS staff are always courteous, and I’m able to quickly reach analysts for discussions to tailor requirements to suit whatever problem I’m working on.”

With projects that ALS supports reaching every corner of this continent and often outer islands and seas, logistics is very important to ALS. Sample numbers from clients are approaching a million per annum with many having multiple containers. This makes for a lot of bottles.

To support our clients ALS offers the following:

- To support our clients ALS offers the following:
- The largest network of laboratories in Australia (12 NATA accredited) with the largest array of regional support staff and offices (another 7 sites).
- Local pickups and bottle delivery including packaging/bagging into ‘suites’ or sampling locations to improve sampling efficiency
- The proven ability and add value by locating logistical staff remotely for major projects.

These photos represent identical suites of analyses with old ALS bottles (above) and new bottles (below) highlighting the manual handling benefits.

What is equally important to ALS is that we constantly innovate to improve sampling efficiency for our clients. ALS miniaturisation projects have led the industry for the last decade with significant reduction in volumes.

Key outcomes for clients include:

- Significant manual handling risk reduction
- Improved sampling efficiency on low flow wells
- Improved logistics and reduced freight costs
- Removal of 50L, 44L then 36L eskies and no further purchases of 32L eskies from supply to reduce further strain/sprain risks.

Collectively these changes have cut the weight of samples collected, handled and freighted by ALS clients by ~280,000kgs across Australia in 2012 and every year after.

ALS is nearing the end of this project for waters however remains focused on the safety and efficiency of field operations and will support our clients through great science and great innovation. If we can facilitate our clients to sample a ground water monitoring event (GME) using a ‘six pack’ esky versus lugging a 26L esky we will do it. If field efficiency and best practice is important to you, please feel free to talk to us about your challenges so that we can strive to meet your needs and make “last year’s impossible” a reality.
Performing **efficiently** and **ethically** at all times

ALS is committed at all times to performing duties in efficient and ethical ways.

**Compliance**

ALS believes that meeting compliance obligations is a responsibility essential to its long-term success. The company is committed to adhering to all legislation relating to ALS operations. All ALS employees are responsible for complying with policies and procedures established to ensure that ALS fulfills requisite legislative requirements. Every employee, contractor, or agent of the company is held accountable to conform to the law and act ethically at all times.

**Confidentiality**

ALS employees understand the importance of confidentiality and have implemented policies that ensure the protection of client information. Employees are required to sign and follow ethics, conflict of interest, and confidentiality policies. These agreements are required to ensure that all employees are aware of the following items:

- Laboratory policy regarding ethics and the standards of integrity that are expected of them
- The notion that they are free from any undue pressures that might affect the quality of their work

Client confidentiality ensures that procedures for sending test results by mail, facsimile, email, or electronically meet client requirements. Requests for records made by a third party must be accompanied by written consent from the client. All employees assure clients that confidentiality is observed at all times when presenting records.

**System Integrity**

- Secure, virus-free system, including a firewall to protect data
- Back-up of all data
- Redundancy of major equipment and services
- Professionally managed and maintained
- LIMS (Laboratory Information Management System)
Industry Training

Over the last decade ALS recognised that many individual clients saw the lab as a ‘black box’ with samples dispatched and results obtained.

Understanding laboratory quality, working well with laboratories and maximising the communication was challenging in a decade of high industry growth. Understanding all those preservation, headspace and filtering requirements and different rules for bottles was also challenging. What was also observed was that many field techniques had significant (sometime negative) effect on sample quality and therefore results.

After discussions with several auditors, major consultants and industry major clients a possible opportunity was identified in training field staff and new graduates in the machinations of laboratories and how to optimise quality and minimise potential resampling events or data quality qualifiers.

ALS made a commitment to develop a course with senior 'expert' presenters.

In the last two years ALS has had over 200 industry graduates, field staff and a few experienced industry professionals attend these courses. Attendees have originated from Consultant, Oil Company Majors, Mining Industry, Coal Seam Gas, and General industry sectors.

ALS is committed to continuing and expanding this training to raise quality and knowledge in the industry and support our valued clients. For further information please contact local ALS management.

Among the feedback questions ALS asks participants are: “Would you recommend this to colleagues?” and “Would you recommend this be included in graduate and refresher training programmes?”

Feedback to date on both of these questions is typically in the range of 95-99% “Yes!”. Using a rating of 1 (poor) to 10 excellent, ratings for “worthwhile experience”, “met my training needs” and “overall value” typically average 8-9.5.

Phase two of this programme is just commencing and includes the new NEPM plus Asbestos and canister sampling topics.

Program

<table>
<thead>
<tr>
<th>Module</th>
<th>Description</th>
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<tbody>
<tr>
<td>Module 1</td>
<td>Getting the most from your Laboratory Service Provider</td>
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<tr>
<td>Module 2</td>
<td>Sample Preservation, Chilling &amp; Holding Times – Tips &amp; Traps</td>
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<tr>
<td>Module 3</td>
<td>Field &amp; Laboratory Techniques to Maximize Data Quality</td>
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<td>Module 4</td>
<td>Laboratory Quality Control &amp; Quality Assurance &amp; Interpreting Analytical reports</td>
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<td>Module 5</td>
<td>Key elements of the new NEPM</td>
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<tr>
<td>Module 6</td>
<td>Asbestos sampling, terminology, reporting and LORs. Solving the current confusion.</td>
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<tr>
<td>Module 7</td>
<td>Laboratory Tour + Air sampling workshop using canisters – a practical demonstration</td>
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Research and Development, Innovation and Awards

“The certificates of analysis are always clear and precise. The time frames to get price quotes and samples analysed are excellent.”

NATIONAL CHEMICAL COMPANY

ALS employs dedicated R&D staff with the aim of delivering innovative business outcomes.

**Program objectives include:**
- Development of new products and services
- Identification of emerging issues within industry and provision of analytical solutions
- Improvement of analytical method precision, accuracy and Limits of Reporting (LORs)
- Improvement of safety and efficiency for clients and staff
- Reduction of the ALS carbon footprint and impact on the environment

R&D procedures, data generation, review and storage, and data validation and verification protocols have been vetted and are fully supported by NATA. This close cooperation with NATA and culture of discipline ensures new services are developed in a controlled and timely manner.

**CARE Award**

In 2013 ALS was awarded the inaugural CARE Award for innovation. This was judged across the entire Environmental industry in Australia. ALS testing innovation delivered:
- Improved quality
- OH&S (manual handling) risk reduction
- Improved efficiency and reduced sampling costs
- Reduced carbon footprint
- Reduced waste

In 2013 ALS was again a finalist in the CARE Award with the 'results to mobile phone' applications, again demonstrating the ALS' commitment to innovation leadership.
Recent successes of the R&D programme

Algal Toxins
ALS has developed a full range of Algal toxin analyses including Cylindrospermopsin, Anatoxin, Microcystin, Saxitoxin and Nodularin groups/chemicals.

Part per trillion Organo-Chlorine Pesticide (OCP plus PCB) analysis
ALS has developed incredibly low testing capabilities to meet ANZECC 99% protection in fresh and marine matrices, setting new benchmarks in environmental testing LORs.

Part per trillion PAH analysis in water
ALS has developed a very precise and accurate trace PAH method with Benzo(a)pyrene LOR at 1ppt. This provides a testing limit well below the benchmark limit of 10ppt benefitting drinking water protection.

Super Ultra Trace Pesticides and Herbicides
This extensive range of approximately 100 organic analytes by LC/MS/MS provides clients with some of the lowest LORs (detection limits) available in Australia with many in the part per trillion (ppt) range.

Sampling and Analysis of Soil Gas Using Canisters
Interest in Soil Gas has increased significantly as reflected in the Vapour and Soil Gas Investigations section of the 2013 National Environment Protection Measure (NEPM). ALS offers comprehensive accredited analyses to meet this guidance.

PPCPs, Endocrine Disrupting Compounds & Steroids
Recent global research has identified Pharmaceutical and Personal Care Products (PPCPs), Endocrine Disrupting Compounds (EDCs) and Steroids as contaminants of emerging concern (CECs) to humans, animals and the environment. These are analysed to ppt levels to meet 2008 Australian Guidelines for Water Recycling.

PFOS/PFOA & Extended AFFF’s
ALS provides accurate PFOS results in a variety of matrices from Water and Soil to pristine drinking water. ALS has several R&D projects occurring in this area to develop new capabilities and support PFC assessment and remediation. ALS also has leading capabilities in separation of eleven PFOS Isomers including accurate total PFOS quantification. New PFAS testing will include 28 parameters following a review of global requirements and testing trends.

Diesel Particulate Matter & Respirable Crystalline Silica
These tests have been developed to support ALS clients in the Occupational hygiene sector. Full NATA accreditation has been gained on DPM – a key test for underground mining and increasingly of concern in metropolitan vehicle tunnels.

TRH in Soil gas to meet NEPM including C16
ALS has developed TRH analysis in Soil gas including quantification of heavier hydrocarbons to C16 in accordance with NEPM.

Analysis Of Infectious Enteric Viruses
Enteric viruses such as adenoviruses and enteroviruses are a and may pose a significant risk to public health. The Australian Guidelines for Water Recycling recommend the use of adenoviruses and enteroviruses as “representatives of viral pathogens” for the validation monitoring of wastewater treatment processes.

Extractable Petroleum Hydrocarbons
ALS has developed an EPH test method in waters that improved accuracy and precision plus reduces false positive interferences from natural organic matter. This is designed to assist practitioners in resolving low level residual traces of natural or weathered organics.
Major Projects

ALS is a leading service provider for projects of State and National significance.

Projects performed by the Environmental Division are varied in nature. Several are the largest of their kind undertaken in Australia and demonstrate our capacity and capabilities. The following are a selection of such projects:

- Port Curtis Sediment Assessment
- Orica Botany, Ground Water Monitoring
- Former Lednez and Homebush Bay Remediation
- Former Allied Feeds Remediation
- AGL Mortlake (Gasworks) Remediation
- Newstead Riverpark (Gasworks) Remediation
- New Royal Adelaide Hospital Site Remediation
- ExxonMobil Port Stanvac Refinery Site Assessment
- Huntsman Chemical Site Assessment Melbourne
- PFOS/PFOA and PFAS assessment at several major high public profile confidential sites

Environmental Clients

Major Industry Clients

ALS provides analytical services to a large number of global and Australian mining and oil and gas companies. Select major clients include:

- BHP Billiton
- Rio Tinto
- Santos
- ExxonMobil
- BP Australia
- QGC
- BHP-BMA
- GlencoreXstrata
- Origin Energy
- Chevron
- ToxFree

Major Environmental Clients

- AECOM
- Cardno Group
- CH2M
- EES
- ERM
- GHD
- Golder Associates
- WSP
- Jacobs
- SMEC
- Coffey
- Worley Parsons

Water Clients

Government and Government Owned Corporations

ALS provides analytical services for the water resources sector to the largest range of Water Authorities and companies in Australia. Select organisations demonstrating the spread of clients include:

- Melbourne Water
- SEQ Water
- Sydney Catchment Authority
- Department of Water (WA)
- Barwon Water
- Mt Isa Water Board
- ACTEW Water
- Hunter Water

For further information or references please contact ALS management or customer services.

“The people at ALS are always very friendly and accommodating. They are quick to respond, they have reasonable pricing, and quick turnaround. ALS is just all around a great company to deal with!”

Health Care Firm
Experience and expertise with many industries

ALS provides a broad range of sophisticated, state-of-the-art services to a wide variety of market segments.

Industries

- Aerospace & defence
- Agriculture
- Civil Infrastructure
- Commodity trading
- Construction
- Consumer Products
- Environmental health & safety
- Food safety
- Marine
- Mining & exploration
- Oil & gas
- Petrochemicals
- Pharmaceutical
- Power generation
- Pulp & Paper
- Smelting & refining
- Transportation
- Water

The hub and spoke nature of the laboratory network within ALS means our capabilities and expertise spans many testing, inspection and certification services.

ALS clients benefit from experts who not only offer the highest levels of service, but can also draw on countless years of experience and knowledge within the ALS ranks.

The following is a guide to the testing and analysis services that ALS is recognised globally for:

Services

Coal Quality
Commodity trade & inspection
Consumer products
Environmental testing
Food safety
Geochemistry

Industrial hygiene
Laboratory design & build
Metallurgy
Oil, fuel & coolant analysis
Oil & gas
Pharmaceutical

Ask your ALS consultant for more information about our other services.
## Environmental

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<th>Phone Number</th>
<th>Email Address</th>
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<tr>
<td>Adelaide</td>
<td>Unit 3, 1 Burma Road, Pooraka Adelaide SA 5095</td>
<td>P +61 8 8162 5130</td>
<td><a href="mailto:ALSEnviro.Adelaide@alsglobal.com">ALSEnviro.Adelaide@alsglobal.com</a></td>
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<td>Gladstone</td>
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## Water

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## Hydrographics

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