



## SKILLSETS

Government Liaison



Contaminated land & remediation



Groundwater



Erosion and sediment control



Construction Management



Compliance and Auditing



## MARKET SECTORS



Property



Waste Management



Construction



Government



Defence



Industrial

## CONTACT

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# GARY BAGWELL

## Principal Environmental Engineer

Gary is an environmental professional with over 25 years' experience delivering environmental services to industry from the consulting, contracting and government sectors. Broad technical experience and abilities include:

- Environmental due diligence and liability
- Contaminated land assessment and remediation
- Hazardous waste assessment and management
- Environmental and WHS risk management
- Pollution prevention and sustainability
- Environmental management and sustainability
- Environmental program management, including tendering and contracting

Gary has managed and carried out complex environmental investigations and developed cost effective and sustainable strategies for addressing contaminated land and related environmental issues. This experience has been gained across industry, government and consulting sectors and included all aspects of project design, procurement and delivery.

## QUALIFICATIONS

- 2007** Australian National University / Master of Environmental Law
- 1995** AGSM, University of Sydney / Graduate Management Qualification
- 1985** University of Sydney / Bachelor of Engineering (Chemical)

## MAJOR PROJECTS

- Due diligence program for educational portfolio comprising 169 sites for NSW Government department
- Validation program for the remediation of the HMAS Platypus (former North Sydney gasworks)
- Soil and groundwater assessments and development of environmental management procedures and training for cemetery operations, Sydney's eastern suburbs
- Review of assessable pollutants and scheduled activities as part of the review of the NSW EPA's Load Based Licensing (LBL) scheme
- Demolition, hazardous materials, waste management and remediation and environmental management program for former Defence and other Commonwealth lands held by the Sydney Harbour Federation Trust, including specification, contracting and management of projects

## AFFILIATIONS

- Member, Australian Land and Groundwater Association
- Member, Environmental Institute Australia and New Zealand

# KEY EXPERIENCE

## CONTAMINATED LAND AND REMEDIATION

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- **Project Director, Validation program for the remediation of the HMAS Platypus (former North Sydney gasworks).** Gary was the project director for Coffey Environments support for the Ventia remediation of the former HMAS Platypus and North Sydney gasworks, involving preparation of site validation plan, auditor liaison, validation data management environmental management plan and reporting.
- **Project Director, Cringila site assessment and remediation plan.** Gary was project director assisting the Department of Education to respond to NSW EPA clean-up notice for school site affected by combusting coal wash waste fill. Project involved soil gas and groundwater assessment, risk assessment, auditor liaison, stakeholder management, remediation planning and project specification
- **Environment Manager, Sydney Harbour Federation Trust.** Gary managed the remediation and environmental management programs for former Defence and other Commonwealth lands held by the Sydney Harbour Federation Trust. Development and implementation of environmental policies, project planning, specification and management of demolition, remediation and hazardous materials projects. Sites included: Cockatoo Island, Chowder Bay, Georges Heights, Middle Head and Woolwich Dock and Parklands.
- **Project Manager, Michaelis Bayley tannery remediation, Botany.** Gary managed the turn-key clean-up project for State Government client involving soil and groundwater assessment, asbestos removal, demolition, hazardous waste treatment and disposal and site remediation.
- **Project Manager and Project Director, service station and petroleum depot closures for petroleum industry clients.** Various sites in NSW involving remediation assessment, remediation planning, subcontractor management and validation for remediation of service station and fuel terminal sites, following closure.
- **Project Manager, former AGL Mortlake gasworks remediation assessment.** Supplementary assessment of 'spent oxide' wastes, assessment and survey of coal tar wastes and sampling for remediation trials, development of remediation strategy and costing for Mortlake gasworks remediation, Sydney.
- **Project Manager, Camden gasworks, soils and groundwater assessment and remediation assessment.** Gary acted as the project manager for the remediation assessment and remediation plan for a former Council owned gasworks at Camden, NSW
- **Project Manager, residential development, Berry's Bay, Sydney.** Project management, including tendering and contract management for a site remediation project to allow residential development of a former boat yard site.
- **Project Manager, validation of former paint manufacturer site, Cabarita NSW.** Gary carried out waste assessments and validation testing and reporting for former ICI Dulux site at Cabarita NSW, achieving successful contaminated land audit and site rezoning and re-use for residential purposes.
- **Project Manager, Akzo Nobel remediation assessment, Camellia NSW.** Gary carried out Groundwater assessment, water treatment feasibility study and phase 1 remediation of hexavalent chromium contaminated soils, sediment and groundwater at former chemical manufacturing site at Camellia, NSW.
- **Project Manager, environmental monitoring of remediated gasworks cell, Waverton NSW.** Gas and groundwater monitoring of an engineered landfill containing hazardous gasworks wastes to meet EPA requirements at Waverton, Sydney.
- **Project Director, landfill environmental monitoring, Sydney and Central Coast NSW.** Data management and review of deliverables for various industrial and putrescible landfill environmental monitoring projects, Sydney and Central Coast regions.
- **Project Director, cemetery site contamination assessment, environmental management and training, Matraville NSW.** Gary managed the soil and groundwater contamination assessment and management advice for an established cemetery site in Sydney's eastern suburbs. The project included comprehensive phase 1 review, surface and groundwater assessment, stockpile assessment, environmental management protocols and worker training.
- **Project Manager, Former sheep dip sites remediation, ACT.** Gary carried out project management for the Remediation and validation of sheep dip affected residential sites in the ACT.
- **Project Manager, Soil and groundwater assessment of former power station, Grafton NSW.** Soil and groundwater assessment carried out to inform remediation planning, meeting NSW EPA and local Council requirements.

## PROPERTY DUE DILIGENCE

- **Project Director, TAFE NSW property portfolio.** Gary was project director for the TAFE NSW property portfolio and Phase 1 contamination assessment program involving assessments of around 169 sites.
- **Project Manager, Environmental due diligence for international property acquisition program.** Gary was project manager for environmental due diligence required for property acquisition program for Apple Corporation, sites in Australia and Asia.
- **Environment Manager, Sydney Harbour Federation Trust.** As environment manager, Gary was involved in liaison with Defence on environmental matters concerning Trust sites including negotiation of remediation costs required for transfer of former Defence sites to the Trust portfolio. This work involved identifying remediation requirements and managing consultant input for preparation of robust cost estimates for remediation.
- **Project Manager, environmental due diligence for various property industry clients, NSW.** Gary has project managed numerous property due diligence Phase 1 and 2 assessments for commercial and industrial sites for property industry clients, including managing consent approvals for remediation and land-use change.

## ENVIRONMENTAL MANAGEMENT

- **Project Manager, Department of Defence removal of degaussing range infrastructure, Shark Island, Sydney Harbour.** Gary project managed studies required to input to EIA for degaussing range removal, including bathymetric survey, ecological and contamination studies.
- **Project Manager, Airservices Australia, environmental assessment of Compartment Fire Behaviour Training Facilities.** Gary carried out the review of Environmental Factors for proposed Compartment Fire Behaviour Training Facilities being established around Australia by Airservices Australia.
- **Project Director and Manager, Wingecarribee Council waste management and resource recovery study.** Gary reviewed procedures for Council's management of spoil and VENM from its civil projects and provided training to staff to maximise resource recovery.
- **Policy Analyst, NSW Environment Protection Authority, review of the Load-based Licencing (LBL) Scheme.** Working within the Continuous Improvement Unit (CIU) of the Regulatory Services Division (RSD) of the EPA, my role focussed on review of assessable pollutants and activities to be included in a revised LBL scheme. Developed processes for review, including interrogation and interpretation of pollution databases (LBL and National Pollutant Inventory). Managed consultancies and liaised and consulted with subject matter experts across EPA and the Office of Environment and Heritage (OEH). Communication of review findings via consultation papers and presentations to an LBL working group.
- **Project Director, environmental management planning and supervision for infrastructure upgrades.** Preparation of environmental management plans and procedures supporting major infrastructure maintenance and upgrade projects for Sydney Trains and Energy Australia.
- **Project Director, Reserve Bank of Australia, Environmental Management Framework.** Gary was project director for project to introduce an Environmental management Framework for the bank's operations, as the first phase of establishment of an Environmental Management System.
- **Project Manager, Environmental Management Plans for various industrial facilities.** Gary has prepared operational Environmental Management Plans (EMPs) for sites requiring EMPs to guide their operations, meeting development consent requirements.

## POSITION SUMMARY

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●	2019 - Present	Principal Environmental Scientist	<b>Epic Environmental Pty Ltd</b>
●	2017 - 2019	Regional Practice Manager Environment   NSW	<b>Greencap Pty Ltd</b>
●	2016 - 2017	Senior Operational Policy Officer	<b>NSW Environment Protection Authority</b>
●	2012 - 2016	Business Manager and Principal, Site Assessment and Remediation	<b>Coffey International</b>
●	2009 - 2012	Principal Environmental Engineer, Site Assessment	<b>Coffey International</b>
●	2002 - 2008	Manager Environment	<b>Australian Government, Sydney Harbour Federation Trust</b>
●	1999 - 2001	Associate, Geoscience and Environmental Engineering	<b>URS Australia Pty Ltd</b>
●	1997 - 1999	Senior Engineer, Geoscience and Environmental Engineering	<b>Dames &amp; Moore Pty Ltd</b>
●	1992 - 1997	B Dev. Engineer, Project Manager - Senior Engineer	<b>Australian Defence Industries (ADI IDD, ADI Services)</b>