

STAFF RESUME: EN028

Career Summary

A qualified hydrogeologist with over 16 years' experience relevant to contaminated land assessment and remediation.

Experience is predominantly related to contaminated land projects involving project management, environmental site assessments, UST excavation assessments, groundwater monitoring / assessment and remediation. A recognised technical leader in hydrogeological assessment, including NAPL, natural attenuation processes and groundwater geochemistry.

Also has two years' experience working as an exploration geologist with Great Central Mines and Astro Mining with duties mainly involving drill core logging and geological mapping.

Key Areas of Expertise

- Contaminant hydrogeology
- Design and installation of groundwater monitoring and production bores
- Aquifer testing, design and analysis
- Conceptual hydrogeological model development
- Groundwater impact assessments
- Development and execution of sampling plans
- Groundwater geochemistry
- Environmental site assessment / remediation
- Contractor supervision
- Project management
- Data analysis
- Technical report writing (analytical and interpretative)

Professional History

Out-Task Environmental (May 2016 – To date)

Senior Associate Hydrogeologist

- Hydrogeological support for various ESA projects

Parsons Brinckerhoff, Melbourne (2013 - 2014)

Principal Hydrogeologist

- Provision of project direction for a range of clients (both petroleum and non-petroleum) with projects ranging from small scale trench spoil waste classification to large scale industrial assessment.
- Provision of independent technical review of proposals, results letters and ESA reports.
- Undertaking training and development of staff and the review and revision of procedures and safe work method statements.
- Business development, including canvassing for new clients and review of past projects to identify additional areas of service provision.

FMG Engineering, Melbourne (8 week contract)

Hydrogeologist

- Preparing and revising various reports, including the overarching remedial management plan, waste classification and remediation validation report, documenting the works undertaken in the remediation and validation of the new Royal Adelaide Hospital development.
- Independent technical review of existing projects and in the preparation of proposals.
- Mentoring staff.

URS Australia Pty Ltd, Melbourne (2004 - 2013)

Associate Hydrogeologist

Hydrogeology

- Technical lead for hydrogeological assessment / management at numerous sites including large petroleum industry sites.
- Technical lead for the assessment and application of natural attenuation assessment.
- Technical resource for the assessment and interpretation of LNAPL extent, transmissivity and degree of residualisation.
- Development of hydrogeological conceptual models, including assessment of groundwater geochemistry and groundwater fate and transport modelling.
- Design, interpretation and review of groundwater falling and rising head tests.
- Independent technical hydrogeological reviewer including cross-workgroup hydrogeological assessments, Shell GWSdat reporting (including reports likely to be reviewed by the Shell Centre of Expertise), site conceptual models and CUTEP reports.

Remediation

- Project manager for the design and implementation of ex-situ soil treatment pilot trails at a former petroleum terminal site in Newcastle.
- Project manager for the design and implementation of a soil and groundwater remediation program at a large former petroleum coastal bulk plant in southern NSW.
- Project manager and site supervisor for the stewarding of a former petroleum depot in northern Victoria through the Victorian EPA CUTEP process.

Environmental Site Assessments

- Project manager and site supervisor for numerous environmental site assessments on service stations, fuel depots, terminals and industrial facilities. Projects include Phase I and II environmental site assessments, UST excavation and validation assessments and groundwater monitoring events.
- Project manager for production and implementation of site construction management plans and environmental management plans.
- Undertook contaminated soil classification and disposal management on numerous construction sites.

Workgroup Management

- Managed a workgroup which focused on providing contaminated land assessment and remediation services petroleum clients. The workgroup comprised of up to 42 staff members ranging from graduates to senior principals.
- Duties included the participation in the Office Management Team, the tracking and reporting on workgroup financials, interviewing prospective staff and general people management.

Master Services Agreement State Coordination

- Vic/TAS State Coordinator for the ExxonMobil Master Service Agreement. Managed overall contract performance (including program, safety, quality and financial aspects) of the Victorian component of the National Master Services Agreement with ExxonMobil.
- Maintained and improved local management systems including the training and development of personnel, awareness and compliance with the contractual and specification requirements of the agreement.

- Developed methods and procedures to integrate contractual / client requirements with the URS business management system.
- Developed improvements to increase the efficiency of project set-up, reporting and invoicing processes, including the development of Word report templates and macros to streamline Excel based applications.

Site Remediation Services Australia, Melbourne (2002 - 2004)

Senior Geologist / Hydrogeologist and Acting Project Manager

- Project Manager and site supervisor for numerous Environmental Site Assessments on service stations, fuel depots, terminals and industrial facilities. Projects include Phase I and II Environmental Site Assessments, UST excavation and validation assessments and groundwater monitoring events.
- Undertook the collection of soil samples and installation of shallow groundwater monitoring wells (less than 3m) using a trailer mounted drill rig.
- Undertook contaminated soil classification and disposal management on numerous construction sites.
- Introduced and implemented GIS systems to the assessment and reporting of projects.
- Maintenance and calibration of company field instrumentation.

Murdoch University (1999 - 2001)

Research student

- Undertook research into the adsorption of metal-cyanides onto various substrate surfaces. Duties included designing and running laboratory experiments, collating and reporting results and preparing internal and external documents

Great Central Mines – Jundee Gold Operation, WA (1998 - 1999)

Exploration Geologist

Astro Mining, WA (1997 - 1998)

Regional Exploration Geologist

Great Central Mines – Bronzewing Gold Operations WA (1997)

Regional Explorist

BHP – GEMCO Operation, (1995 - 1996)

Quality Control Geologist and Survey Assistant

Education

- M.Sc., Environment (Hydrogeology), The University of Melbourne, 2003
- B.Sc., Geology (1st class Hons), Monash University, 1996

Accreditations and Certifications

- International Association of Hydrogeologists
- National Groundwater Association
- URS Project Manager Certification (2011)

Training

- 24-Hour Hazardous Waste Operations and Emergency Response (HAZWOPER) Occupational Health & Safety and 8-hour refresher courses
- Contractor Training, Australian Institute of Petroleum (AIP)
- Monitored Natural Attenuation for Groundwater Remediation and Management, ACLCA (2011)
- Improving Hydrogeologic Analysis of Fractured Bedrock Systems, Midwest Geosciences Group (2008)
- Four wheel drive/survival, 4WD Australia
- Senior Emergency First Aid