



MICHAEL BLYTH

Project Environmental Engineer

Michael is a Project Environmental Engineer with over five years' experience working as an environmental consultant throughout Eastern Australia. In his work he has acted as project support in several varying industries, including the waste, contaminated land and environmental compliance and monitoring sectors.

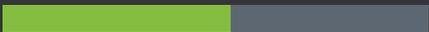
Now directly involved across both Epic's waste and environmental compliance teams, Michael has been involved in a wide range of projects, from desktop research, fieldworks interpretation and reporting through to his involvement in an auditing capacity. Michael has experience in risk assessment and environmental compliance across construction and industrial sectors, and has a proven ability to work with clients and contractors to deliver practical solutions to meet project requirements.

SKILLSETS

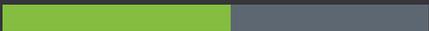
Contaminated land & remediation



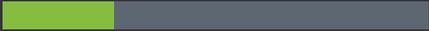
Groundwater



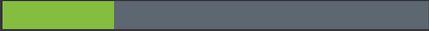
Landfill design & waste



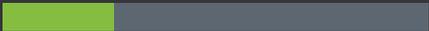
Compliance and Auditing



Acid sulfate soil



Asbestos



MARKET SECTORS



Property



Waste Management



Construction



Defence



Resource



Industrial

CONTACT

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QUALIFICATIONS

2014 University of New England / Bachelor of Engineering Technology (Environmental)

2017 Associate Auditor (Environmental Management Systems)

MAJOR PROJECTS

- New Chum Cell 3A Construction Quality Assurance, Ipswich, QLD
- Rochedale Cell 7 Construction Quality Assurance, Rochedale, QLD
- Internal EMS Audit – Wivenhoe Power Station
- Contaminated Site Assessment, Asphalt Processing Facility, Bohle, QLD
- Closed Landfill Risk Assessment of 10 Former Landfill Sites, Ipswich, QLD

AFFILIATIONS

- Member, Australian Land and Groundwater Association

EXPERIENCE

LANDFILL AND WASTE, COMPLIANCE AND MONITORING

- **Project Manager, Private Landfill, New Chum, Queensland.** Michael was responsible for development and delivery of a perimeter landfill gas monitoring network surrounding a major landfill facility. Comprising the installation of strategically located monitoring wells to depth of 60m, the program was completed in accordance with the Site's Environmental Authority.
- **Project Support, Private Resource Recovery Facility, Willawong, Queensland.** Michael was heavily involved in the rehabilitation assessment of areas of a landfill facility that had ceased operation, to facilitate return of the land to Council ownership. Subsequent works (in progress) comprised surrender of the facility's Environmental Authority.
- **Project Manager, Private Landfill, New Chum, Queensland.** Michael was responsible for the delivery of Construction Quality Assurance (CQA) associated with the expansion of existing landfill facility, comprising the construction of two landfill cells. Works involved subcontractor supervision, site inspections, data review, CQA monitor resourcing and delivery of the facility's final CQA report.
- **Project Manager, Private Resource Recovery Facility, Willawong, Queensland.** Michael has been responsible for the ongoing monitoring of dust deposition resulting from on-site operations at a private resource recovery facility encompassing crushing and processing operations. Monitoring of long-term trends has been undertaken in order to satisfy requirements set under the operators Environmental Authority.
- **Project Manager, Private Landfill, New Chum Queensland.** Michael is responsible for the biannual monitoring of waste composition at the private landfill facility, as required under the facilities Environmental Authority. Carried out through on-site survey and review of data, this long-term monitoring is used to formulate trends and analysis of waste received at the facility.
- **Project Support, Closed Landfill Risk Assessment, Local Council, QLD.** Epic were engaged to undertake a risk assessment of 10 closed landfill sites located throughout the Ipswich region. Through the monitoring of groundwater, and landfill gas, Epic were able to develop a risk management framework for implementation by the local Council.
- **Project Support, Landfill Gas Monitoring Assessment, Gold Coast Light Rail, QLD.** Development of this major piece of South-East Queensland infrastructure immediately adjacent to a former landfill, meant that ongoing monitoring of landfill gas was required, pre-, during and post-construction. Epic were engaged to develop a baseline, implement a management plan and ensure works were completed with consideration to the safety of workers and the surrounding environment.
- **Project Support/CQA Consultant, Private Landfill, Rochedale, Queensland.** Michael was heavily involved with on-the ground Construction Quality Assurance (CQA) associated with the construction of a new landfill cell built to service Brisbane's waste management operations. Works involved on-site inspections, review of data and liaison with contractors/principals.

ENVIRONMENTAL MANAGEMENT SYSTEM AUDIT

- **Associate Auditor, Government Owned Corporation, QLD.** Michael undertook an audit of a GOC's internal Environmental Management Systems. Audit involved site inspections, interviews and document review. As part of the audit program, three individual audits were undertaken:
 - Internal EMS Audit – Corporate Office
 - Internal EMS Audit – Wivenhoe Power Station
 - Internal EMS Audit – Kogan Creek Power Station

CONTAMINATED LAND INVESTIGATION AND REMEDIATION

- **Project Manager, asphalt processing facility Environmental Site Assessment, Bohle, QLD.** Michael conducted an ecological and human health risk assessment of a former asphalt processing facility. Project included the completion of an intrusive soil investigation, groundwater monitoring infrastructure installation and multiple groundwater monitoring events. Works were conducted in accordance with relevant legislative requirements to enable removal from governments contaminated land registers.
- **Project Manager, environmental site assessment private service station/accommodation facility, Barcardine, QLD.** Michael undertook an intrusive soil and groundwater investigation and health risk assessment of an operational service stations site with attached holiday accommodation. Subsequent reporting was completed in accordance with the Clients risk assessment framework.

- **Project Support, former timber mill contamination site assessment and remediation, St Leonards, TAS.** Michael was responsible for completion of site investigation fieldworks, including intrusive soil and groundwater investigations, and supervision of remedial works. Site was investigated in accordance with relevant legislative requirements, with remediation suitable to enable development of site for a range of land uses, subject to the master plan proposed by the client.
- **Project Support, former timber mill contamination site assessment and remediation, Launceston, TAS.** Michael was responsible for completion of site investigation fieldworks, including intrusive soil and groundwater investigations, and supervision of remedial works. Site was investigated in accordance with relevant legislative requirements, with remediation suitable to enable development of site for a range of land uses, subject to the master plan proposed by the client.
- **Project Support, former cattle dip facility, Traveston, Queensland.** Michael was involved in the undertaking of initial assessment, remediation and eventual validation sampling of a former cattle dip facility adjacent to a major highway upgrade in SE QLD.
- **Field Manager, road construction project, Brisbane North, QLD.** Michael was field manager for a road realignment and bridge construction project in Brisbane's northern suburbs combining intrusive soil investigation, groundwater well installation/monitoring, surface water and short and long-term asbestos monitoring programs.

GROUNDWATER INVESTIGATION

- **Project Support, groundwater monitoring of former landfill, Ipswich City Council, QLD.** Michael provided project support for groundwater investigation and monitoring of closed landfill facilities around the Ipswich region. Investigation included an ecological and human health-based risk assessment.
- **Project Support, groundwater monitoring of former landfill, Wagener Oval, Ashbury NSW.** Michael provided project support for groundwater investigations and monitoring of a closed landfill site in Ashbury, NSW. The site had been subject to various complaints and was due to undergo development, consequently requiring an in-depth investigation into groundwater quality at the site.
- **Field Manager, groundwater monitoring of Gold Coast Airport, Gold Coast, QLD.** Michael was heavily involved in orchestrating the fieldworks associated with long-term monitoring throughout dewatering activities at the Gold Coast airport expansion project. Undertaken over 18 months, the presence of emerging contaminants created cause for diligent ongoing monitoring for the life of the project.
- **Project Support, groundwater monitoring of Gold Coast Light Rail Project, Gold Coast, QLD.** Michael was responsible for organising fieldworks associated with the construction of the Gold Coast Light Rail. The proximity to landfill and contaminated soils required diligent groundwater monitoring regime be implemented such that the effect of project works were mitigated.

ENVIRONMENTAL MANAGEMENT

- **Project Manager, Soil Gas Assessment and Environmental Management Plan preparation, Brisbane, QLD.** Michael was responsible for the delivery of Environmental Management Plans (EMP's) at three closed landfill sites located within the Brisbane City Council area. As part of EMP preparation additional works were required comprising installation of landfill gas monitoring wells and undertaking a ground gas assessment. Through additional investigation and preparation of these EMP's, the Client was able to conduct construction works in a safe manner with respect to human health and the environment.
- **Project Manager, Private Developer, Brisbane, Queensland.** Michael was responsible for delivery of EMP's relating to establishment of river-based pontoons, involving marine piling and embankment earthworks for three locations within the Brisbane River. Works were conducted in accordance with local Council requirements, with consultation with project Principals, and Council representatives undertaken throughout the works.
- **Project Manager, Geomorphic Assessment of Riverine Environment, Chinchilla, Queensland.** Michael was responsible for delivery of a geomorphic assessment of the Condamine River, as required under a private coal seam gas organisation's Environmental Authority. Works involved the carrying out of bathymetric survey's, and land-based survey of riparian zone.
- **Project Support, Soil Gas Assessment, Wageners Oval, Ashbury, NSW.** Michael was involved with undertaking a soil gas assessment at a local recreational ground occupying a former quarry and landfill site. Through the monitoring and assessment of landfill gas at the site, Epic were able to develop a management plan to facilitate safe development of the site.

- **Project Support, Hazardous Ground Gas Assessment, Blackstone Hill Coal Mine, Ipswich, QLD.** Michael was responsible for undertaking a hazardous ground gas assessment, requiring both short- and long-term monitoring programs. The site was subject to proposed recreational development by local Council, with Epic's assessment providing supporting documentation for the development of the site.

POSITION SUMMARY

● 2017 - Present	Project Environmental Engineer	Epic Environmental Pty Ltd
● 2016 – 2017	Graduate Environmental Engineer	Epic Environmental Pty Ltd
● 2013 – 2015	Graduate Environmental Engineer	EnviroAg Australia Pty Ltd