

CURRICULUM VITAE



Melissa Moyce

Environmental Scientist

Melissa Moyce is a professional Environmental Scientist, skilled in providing technical services for environmental assessment, planning, auditing and the management of contaminated land.

Melissa has a broad range of environmental assessment experience, providing professional and technical expertise to support the construction and property development industries.

Melissa has successfully delivered projects for both private and public sector clients throughout New South Wales and the Australian Capital Territory, and is specialised in managing and executing contamination investigation and remediation strategies. Her experience includes investigation of soil, groundwater and soil vapour conditions, as well as technical review and support of environmental assessments, including Statements of Environmental Effects (SEE), Review of Environmental Factors (REF) and Environmental Impact Statements (EIS).

Melissa has provided technical assistance directly to Metech Consulting's Principal Environmental Scientist and NSW EPA-Accredited Site Auditor for successful delivery of numerous development projects.

Melissa is experienced in stakeholder engagement including community, government agencies and service providers, and has demonstrated exceptional quality control and quality assurance across all areas of work.

PROFESSIONAL QUALIFICATIONS

Bachelor Environmental Systems – Natural Terrestrial Systems, University of Sydney (2016)

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

Australian Land and Groundwater Association

PROJECT EXPERIENCE

Melissa has a wide range of experience across NSW and ACT. Selected project experience includes:

- **WestConnex Stage 2 (New M5) (Transurban):** Provision of technical support to facilitate the closure and remediation of the former non-putrescible Alexandria Landfill, required prior to the construction of a motorway interchange. Role included technical review of consultant reports for environmental compliance, including regular assessment of the results of an extensive program of hazardous ground gas monitoring to inform on residual risks associated with the former Alexandria Landfill. Melissa also provided professional and technical support to the Environmental Planning and Approvals manager, including the review of post-approval



CONTACT INFORMATION

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submissions to the Department of Planning, Infrastructure and Environment (DPIE) as required by the State Significant Infrastructure (SSI) approval.

- **WestConnex Stage 3A (M4:M5 Link) (Transurban):** Provision of technical support to the Principal Contamination Advisor to assess contamination risks throughout the construction of the tunnel infrastructure. Role included technical review of post-approval submissions.
- **Rozelle Interchange (WestConnex Stage 3B) (Sydney Motorways Corporation):** Provision of technical support in the assessment of contamination-related risks associated with the Rozelle Railyards, including advisory on the management of risks during the early works contract in preparation of the land for handover to the construction contractor. Role also included the provision of support during the development of the Environmental Impact Statement (EIS) and D&C transaction phase of the project.
- **Auditor Assistance:** Assistant to NSW EPA-accredited Site Auditor, Dr. Julie Evans, for several large-scale projects across NSW. Role required review of contaminated site consultant reports and activities, particularly in terms of data collection methodology, to assess whether their work complied with current regulations and guidelines. Findings were reported directly to Auditor.
- **Compliance Monitoring of Resource Recovery Exemption & Order, Port Kembla Steelworks (Bluescope Steel Limited):** Review and evaluation of consultant reports (source site documentation) as part of regular compliance monitoring and management of a specific Resource Recovery Exemption and Order. The Exemption and Order were developed through negotiation with NSW EPA and Bluescope Steel, which allowed beneficial reuse of general fill materials at the Port Kembla Steelworks. Monitoring required review and, where acceptable, written acceptance source site documentation, as well as verification and tracking of materials when received at the Port Kembla facility, including verification sampling and material inspection, material tracking and database management.
- **Soil Classification and Asbestos Management, Paramedic Response Units across New South Wales (Private Developer on behalf of NSW Health Infrastructure):** Development and implementation of a regular monitoring and analysis program to assess sites for potential contamination issues and ensure the safety of personnel at the site during works. Works included daily asbestos air monitoring, soil assessments and asbestos clearance.
- **Contamination Assessment as part of lease agreement with NSW Ports, Matraville (Private Owner):** Implementation, direction and subcontractor supervision of a contamination assessment to establish the baseline environmental (contamination) condition of the property at the commencement of the lease agreement, including installation and sampling of an extensive groundwater monitoring network on an operational freight terminal site in an area with known contamination issues.
- **Service Station Remediation, Berry (Private Developer):** Long-term monitoring and assessment of a former service station site. Execution of regular on and off-site groundwater and soil vapour monitoring works to assess the contamination status of the site and potential off-site impacts from 2016-2019. Developed site remediation strategy which was subsequently endorsed by a NSW EPA-accredited Site Auditor. Works comprised removal of UPSS, large-scale excavation and bioremediation, with site validation works ongoing.
- **Remediation Strategy for Asbestos Contamination & Remedial Action Plan, Residential Development and Subdivision (Warrawong Nominees):** Remediation strategy designed to encapsulate identified asbestos-contamination issues across a 2ha property beneath the road infrastructure. Strategy incorporates risk-based principals, including an industry leading approach

to the assessment, quantification and management of asbestos. RAP developed and endorsement by key stakeholders, including the NSW EPA-accredited Site Auditor and Wollongong City Council. Implementation of the remedial strategy is in progress.

- **Contamination Assessment and Remediation, Sans Souci (Private Owner):** Contamination assessment associated with friable asbestos in soil contamination. Use of risk-based evaluation principles to inform investigation design, site assessment and remediation program design to enable redevelopment. Remediation works were undertaken and development was approved by Council.
- **Site Remediation, Moss Vale (Private Developer):** Implementation, direction and subcontractor supervision of a staged assessment and remediation strategy of a former service station site. Works comprised UPSS removal, large-scale excavation and bioremediation to achieve standards necessary to redevelop the site for residential purposes. Site validation included extensive groundwater monitoring works.
- **Contamination Assessment and Remediation, Kirrawee (Private Owner):** Detailed technical evaluation of former industrial site with consideration of a long history of industrial use of the site and upgradient area. Investigation design, site assessment and remediation program design to enable redevelopment. Council approved, remediation ongoing.
- **Due Diligence Contamination Assessment, Fyshwick, ACT (Private Developer):** Detailed technical evaluation of existing contamination assessment reports for a former dry-cleaning facility in the ACT. Works comprised a thorough assessment of the data to characterise the overall contamination status of the site and identify any issues at the facility, evaluation of potential contamination risks and data gap analysis to estimate potential costs to mitigate contamination-related liabilities.

EMPLOYMENT HISTORY

2016 – current

Environmental Scientist, Metech Consulting Pty Ltd

Apr 2016 – Nov 2016

Research Assistant, University of Sydney: Faculty of Agriculture and the Environment

PUBLICATIONS

Distributions of Soil Properties, in: McBratney A., Minasny B., Stockman U. (eds) *Pedometrics. Progress in Soil Science*. Cham: Springer, 2018.

The Concept of Soil Security, in: Richer-de-Forges et al. (eds) *Global Soil Security: Towards More Science-Society Interfaces*. CRC Press: Taylor & Francis Group, 2019.