



MEHRAN ASADABADI

Senior Environmental Scientist

EDUCATION

**Bachelor of
Engineering (Civil)**

ALGA Member

**Geology for
Engineers (2011),
Engineers Australia**

**UTS Contaminated
Land Modules**

**Asbestos Awareness
(2005), Comet Training
Trust**

**First Aid, CPR and
Emergency Life
Support (2019), St
John Ambulance**

LANGUAGES

English

Farsi (Iranian)

CONTACT

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PROFILE

Mehran has ten (10) years of combined environmental and geotechnical engineering experience, with a particular focus on linear infrastructure and residential subdivision projects and profound knowledge of project technical assessments and using statistical analysis software.

His experience includes contamination assessments, groundwater and hazardous ground gas monitoring, waste classifications, geotechnical investigations, salinity assessments and management plans, subgrade and footing investigations, pavement design and evaluation, pavement rehabilitation, basement excavations, soft soil assessment and improvement, lot classifications, acid sulfate soil assessments and management plans, remedial planning and site validation

AREAS OF EXPERTISE

- Environmental Engineering with a focus on Investigations
- Remediation and Validation of Contaminated sites
- Geotechnical Engineering
- Construction Phase Services
- Project Management

alliance

allgeo.com.au 1800 288 188



EXPERIENCE

CONTAMINATION INVESTIGATION AND ASSESSMENT

FORMER RESIN PLANT | VILLAWOOD, NSW

- Mehran was the Senior Environmental Consultant and Project Manager appointed to conduct the requested due diligence assessment for the site for a potential purchase. The assessment included a desktop study, intrusive assessments for soil and groundwater (GW) (multiple rounds of GW testing) in order to characterise the sites, lateral and vertical extent of contamination as a result of past current site activities and preparation of a due diligence contamination assessment report. The report was later updated to a detailed site investigation (DSI) report, reviewed and endorsed by an NSW EPA accredited site auditor.

DEFENCE LAND PORT EXPANSION PROJECT | GARDEN ISLAND, NSW

- Mehran conducted a detailed acid sulfate soil assessment, acid sulfate soil management plan and waste classification for 10,000m³ of fill materials impacted by current and past site activities. This assessment was a highly time critical and paved the way for a multi-million-dollar project. Mehran completed the project within the requested timeframe and below anticipated budget.

GREATER PARRAMATTA TO OLYMPIC PARK (GPOP) | SOIL AND GROUNDWATER CONTAMINATION | MULTIPLE INFRASTRUCTURE SITES, NSW

- Mehran was the Senior Environmental Consultant and Project Manager appointed to manage a \$200K contamination assessment for a various proposed Sydney Water infrastructure upgrades, located between Parramatta and Olympic Park. The objective of the assessment was to characterise the lateral and vertical extent of contamination at each proposed site, in order to assess the human health and ecological risks. Sydney Water Environmental division reviewed and endorsed the strategy and reports prepared. Mehran managed to conduct and complete the project successfully and to the satisfaction of both the client and the principal.

REMEDIATION

ASBESTOS IMPACTED SOILS | SUBDIVISION OF RURAL RESIDENTIAL LAND | KELLYVILLE, NSW

- Mehran was the Senior Environmental Consultant and Project Manager appointed to manage the assessment and remediation/ validation works required for a 10ha site located at Kellyville. The remediation required was largely for 65,000m³ of asbestos impacted soils (bonded and friable) and minor hot spot remediation of soils impacted by hydrocarbons and metals. The remediation and validation work were successfully completed prior to commencement of bulk earthworks. Validation report and all related reports preceding that, were reviewed, and endorsed by an NSW EPA accredited site auditor. By way of assessment and remediation, approximately 62,000m³ of the asbestos impacted soils were validated and beneficially reused (at depth) onsite. Mehran managed to save the client about \$20M-\$25M, which was initially anticipated.



EXPERIENCE

PETROLEUM IMPACTED SOILS AND GROUNDWATER | FORMER SERVICE STATION | NOWRA, NSW

- Mehran was the Environmental Consultant appointed to manage the assessment and remediation/ validation works required for a former petrol station located at Nowra. The works included decommissioning of 5 Underground Storage Tanks (UST's) and associated bowser and furl lines. The remediation/ validation works were successfully completed, and site assessed suitable for ongoing commercial/ industrial land use. The work was completed successfully and below budget.

SOIL AND GROUNDWATER CONTAMINATION | INDUSTRIAL SUBDIVISION | ROCKDALE NSW

- Mehran was the Senior Environmental Consultant and Project Manager appointed to manage a \$150K contamination assessment for a site formerly used as foundry, located at Rockdale. The objective of the assessment was to characterise the site contaminations lateral and vertical extent and to assess potential cap-and-contain remediation methodology. An NSW EPA accredited site auditor was appointed by the client to review the strategy and reports prepared. The assessment included multiple rounds groundwater and hazardous gas assessments and a human health and environmental risk assessment (HHERA). The reports have since been reviewed and endorsed by the site auditor and a cap-and-contain remediation methodology assessed to be suitable for the proposed development. Mehran managed to initially convince the client in investing \$150K on required assessments in order to potentially save millions in remediation costs, and then implemented a well thought out strategy to do so. Ultimately, Mehran managed to save the client approximately \$15M-\$20M in potential remediation costs.

SOIL (ASBESTOS, BENZO(A)PYRENE & METALS) CONTAMINATION | SCHOOLS INFRASTRUCTURE | MEADOWBANK NSW

- Mehran was the Senior Environmental Consultant and Project Manager appointed to prepare a Remediation Action Plan, manage remedial and validation works for the site. An NSW EPA accredited site auditor was appointed by the client to review the strategy and reports prepared. The reports have since been reviewed and endorsed by the site auditor and a cap-and-contain remediation methodology assessed to be suitable for the proposed development. Mehran's diligent correspondence with the appointed Auditor resulted in a smooth progression through remediation works, which saved the client precious time. Mehran's proposed remedial strategy ultimately saved the client approximately \$2M-\$5M in potential remediation costs.