

Contaminated Land Capabilities



Western Australia's leading independent team with a proven track record in surface water/ hydrology, groundwater/ hydrogeology, auditing, contaminated land management and development projects. We combine reliable expertise with regulatory knowledge, delivering high quality output and performance on time and budget. We welcome technically challenging projects from commercial & government clients

Acid Sulfate Soils:

- Desk study/ likelihood/ risk assessment
- Investigation: soil/ groundwater/ sediment sampling, field tests, laboratory analysis-QA/QC, reporting
- ASS Management/ Dewatering management plans

Contaminated Site (CS) Audits:

- WA Accredited Contaminated Site Auditor (Perth-based)
- Mandatory Audit Reports (MAR):
 - Investigation Notices
 - Clean Up Notices
 - Hazard Abatement Notices
 - Certification of Contamination Audit
 - Source site designation
 - WAPC planning conditions
 - Complex sites (DEC written request)
- Voluntary Site Audits (VAR):
 - Independent expert technical advice in relation to contamination issues

Occupational Health & Safety:

- Health & Safety Plans/ WorkSafe WA
- Industrial redevelopment
- Effluent & waste management

Site Investigations:

- Desk assessments/ due diligence audits
- Investigation, Planning and Supervision
- Sampling & Analysis Plans (SAP)
- Preliminary Site Investigations (PSI)
- Detailed Site Investigations (DSI)

Landfill investigation & management:

- Waste characterisation/LFG potential/ geotechnical properties
- Groundwater impacts & remediation
- Compliance monitoring
- Landfill gas (LFG) investigation & management/ Remediation

Monitored Natural Attenuation

- Feasibility/screening (Stage 1)
- (S2)/ Assessment
- (S3)/ Implementation
- (S4 performance monitoring)
- Design of monitoring programs/ monitoring/ reporting

Monitoring:

- Soil/ sediment/ groundwater
- Soil vapour assessments/ Landfill gas (LFG) /Dust / air quality
- Baseline Surveys
- Groundwater/ surface water levels/ flow & chemistry

Remediation and Validation:

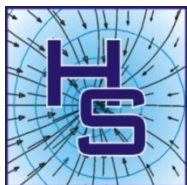
- Site Management Plans (SMP)/ Remedial Action Plans (RAPs)/ Remediation, Validation & on-going Management reports (RVoM)
- Management/ implementation (Lead contractor/ subcontractor management)

Risk Assessment:

- Qualitative: Tier 1: Source/ pathway/ receptor, AS/NZS ISO 31000:2009
- Quantitative: Probabilistic/ Fate & Transport (MT3D/ RT3D/ Risc/ RBCA, Tier 2&3
- Human Health (HHRA)/ Ecological (ERA)

Also:

- Groundwater
- Surface Water
- Contaminated Land
- Site Remediation
- Geology\GIS



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