

Contaminated Land Capabilities



HYDROSOLUTIONS
PTY LTD
Hydrogeological & Environmental Consultants

Western Australia's independent groundwater & environmental consultancy, with a proven track record in groundwater, surface water, environment, risk assessment & contaminated land management. We combine reliable expertise with regulatory knowledge, delivering high-quality output on time & on budget.

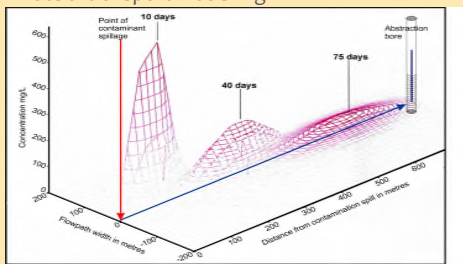
Site Investigation

- ◆ Preliminary Site Investigations (PSI)
- ◆ Sampling Analysis and Quality Plans (SAQP)
- ◆ Design/ supervision of drilling programs
- ◆ Detailed Site Investigations (DSI) for soil, sediment, groundwater, soil vapour
- ◆ Groundwater/surface water levels, flow and chemistry
- ◆ Landfill waste characterisation, landfill gas potential (LFG) and geotechnical properties
- ◆ Monitoring programs
- ◆ Site Management Plans (SMP)
- ◆ Groundwater Operating Strategies
- ◆ Reporting, DWER, WAPC etc.



Risk Assessment

- ◆ Conceptual Site Models (CSM)
- ◆ Qualitative/ fully Quantitative
- ◆ Human Health (HHRA)
- ◆ Ecological (ERA)
- ◆ Fate & transport modelling



Remediation/ Site Management

- ◆ Remedial Action Plan (RAP) development & Implementation
- ◆ Regulatory Approvals
- ◆ Head Contractor/ Subcontractor Management
- ◆ Validation reporting
- ◆ Ongoing management



Acid Sulfate Soils (ASS)

- ◆ Investigation/ Monitoring
- ◆ ASS Management Plans (ASSMP)
- ◆ Dewatering modelling
- ◆ Groundwater Management



Assessment & Management

Between 2006 & 2018 Stuart was an Accredited Contaminated Sites Auditor in WA. This gives him a unique insight and a wealth of experience to ensure that your projects satisfy the environmental requirements of the regulators and statutory bodies:

- ◆ Liability assessments
- ◆ Public/Consultative Environmental Reviews
- ◆ Environmental impact assessment
- ◆ Pre-acquisition assessment
- ◆ All regulatory & legislative compliance
- ◆ Works approvals & Notices of Intent

Project highlights include et al:

- ◆ AGR Matthey: Investigation, risk assessment, modelling, RAP, refinery effluent leakage
- ◆ BHP Billiton: assessment of Pilbara Iron operations & development of an effects register
- ◆ British Steel, (UK). Ravenscraig, Motherwell: groundwater impacts from 150 years of steelmaking
- ◆ Commonwealth Dept of Defence: investigation & RAP, NAVCOMMSTA Harold Holt, Exmouth
- ◆ Coogee Chlor Alkali: investigation & remediation of brine spillage
- ◆ Department of Housing: Quattro residential development
- ◆ Fonterra Australia: pre-divestiture assessment of large scale dairy operation
- ◆ ICI Mops (UK): Assess historical contamination from +200-years of chemical manufacturing
- ◆ Rio Tinto: Investigation of large-scale diesel spillages, Cape Lambert rail operations
- ◆ Wesfarmers CSBP: Arsenic groundwater contamination from catalyst disposal



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