

SIX KEY COMPETENCIES

The SCP Australia scheme focuses on six competencies reflecting the knowledge, skills and experience of a contaminated site practitioner.

1. The nature, causes and significance of site contamination.

- Types of industries, and uses and contaminants.
- The effect of geological, hydro-geological, and environmental settings.
- The significance built environments on for site contamination.
- The fate and transport of common contaminants.
- The primary sources for assessing significance of contamination.

2. Preliminary site assessment of contamination.

- Planning and contextualising assessments.
- Site inspection and assessment practices.
- Conduct of a site history.
- Conceptual Site Model incorporating all environmental settings.
- Provision of advice on contamination risk.

3. Detailed site assessment involving the characterisation of contamination.

- Data Quality Objectives, and QA practice.
- Sampling methodology, design for contamination in soils, groundwater, vapour (soil and indoor), surface water and sediments.
- Documentation and management of data.
- Quality assurance of data.
- Assessing the significance of contamination.
- Validation of a site following remediation works.

4. Risk assessment of site contamination.

- Criteria and legislative requirements.
- Risk assessment framework.
- Ecological and human health risk assessment.
- Understanding of use and limits of risk assessment models.

5. Remediation and management approaches.

- Remediation and management options.
- Remediation/management frameworks.
- Developing site specific remediation/management objectives.
- Handling wastes remediation generated waste.

6. Professional practice relevant to consulting on contaminated site issues.

- Adherence to ethical obligations and standards.
- Sound project management practices.
- Legislation relating to contaminated sites.
- Health and safety management.
- Writing complete, relevant and understandable technical reports.
- Risk communication with all stakeholders.
- Basics of contract law and contract management.



SCP AUSTRALIA CERTIFIED PRACTITIONER

A certified practitioner is appropriately qualified and experienced to sign off on a contaminated site report and to direct the full scope of a site assessment and management of a contaminated site.

Certified practitioners augment and support the expertise of accredited environmental auditors in Australian state jurisdictions.

Certified practitioners are listed on the SCP Australia Directory (<http://scpaustralia.com.au/directory/>)



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environmental future*