



Australian Government

Assessment Requirements for MSS027020 Coordinate water quality management activities

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Elements and performance criteria changed. Range of conditions removed. Foundation skills information added. Assessment requirements changed. Supersedes and is equivalent to MSS027006 Coordinate water quality management activities.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- planned and implemented the day-to-day water quality management activities for at least 1 site, project or ongoing program.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- water quality management terminology, concepts and principles used in job role
- legislative, regulatory requirements, standards, codes and guidelines dealing with water quality
- expected values for water quality parameters, Australian and New Zealand Environment and Conservation Council (ANZECC) guidelines or current equivalent, and statutory environmental quality concentration limits
- workplace water quality management plans and procedures, common water quality issues, control measures, mitigation and management actions
- measurement parameters for waters, sediments or biota relevant to site, project or program
- samples, sampling, monitoring methods, equipment, materials and instrumentation used to generate the water quality data, including calibration, fault-finding and troubleshooting
- impacts of common human, environmental and meteorological factors on data quality
- sources of interference, uncertainty, limitations of methods and sources of variability
- workplace procedures for identifying and assessing environmental risks and impacts, responding to complaints and environmental incidents, and record management and reporting water quality data
- problem-solving techniques and cause analysis
- interpersonal communication, negotiation and conflict resolution techniques
- impact of activities on community and corporate social responsibilities
- water quality management hazards, health, safety and workplace emergency response procedures.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - site or project or program history
 - legislation, codes and standards; workplace environmental management policies, plans, actions, procedures, checklists and equipment manuals; sampling methods and description of monitoring set-up
 - water quality data sets, records and reports, computer and relevant software or workplace information management system
 - water sampling and testing equipment.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

The MSS Sustainability Companion Volume Implementation Guides are available from VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>