



Australian Government

Assessment Requirements for MSS025034

Collect and evaluate groundwater data

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Elements changed. Performance Criteria changed. Foundation Skills populated. Assessment Requirements changed. Supersedes and is not equivalent to MSS025021 Collect and evaluate groundwater data.

Performance Evidence

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

- collect and process groundwater samples and interpret the data from at least 3 disparate site locations
- monitor and prevent contamination for establishment of at least one well or bore.

Note that, depending on the context and conditions, the bore or well may constitute one of the 3 site locations.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- terminology used to describe aquifers, drilling and construction of wells and bores, and groundwater sampling and testing procedures
- principles of representative sampling and field testing of common groundwater parameters
- preservation of the integrity of samples
- maintaining identification of samples relative to their source, workplace and legal traceability requirements
- typical values of groundwater parameters, common pollutants and contaminants
- common sources of contamination from drilling of bores or wells and related prevention measures
- links between quality control, quality assurance, quality management systems and sampling procedures
- uncertainty of measurement
- function and operating principles of flow-through pumps and multiprobes
- workplace procedures dealing with legislative requirements for the handling, labelling and transport of hazardous goods
- common site hazards and control measures
- health, safety and environment requirements, including field safety and survival principles and high-risk sites.

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:
 - sampling equipment, field test equipment, equipment manuals, digital camera, containers, reagents, consumables
 - safe work procedures and safety equipment
 - maps and site plans
- site sampling plans and test methods
- • modelling of industry operating conditions, including:
 - access to site/s.

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

Links

Companion Volume Implementation Guides are found in VETNet -

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