



Australian Government

Assessment Requirements for MSS015049

Conduct a sustainable water use audit

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. Workplace outcome changed. Supersedes and is not equivalent to MSS015028 Conduct a sustainable water use audit.

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:

- conduct a water use audit for at least one organisation, a significant part of an organisation or part of the value chain
- develop at least 3 recommendations for improving water usage.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- specific water usages within production or operational processes undertaken by the organisation
- external sources of water
- internal water sources including natural water sources, water capture and water generated by process
- characteristics of categories of water quality and applications relevant to the industry including:
 - deionised/highly treated
 - potable water
 - groundwater
 - waterway/reservoir
 - recycled water
 - grey water
 - black water
 - wastewater
- strategies and methodologies for determining water quality
- strategies and sources of advice for determining impact of changes to water usage or quality
- principles of circularity and/or closed loop
- circular approaches to reducing waste

- methods of cost-benefit analysis
- current and emerging approaches to quantifying and evaluating costs, benefits, impacts and risks in relation to sustainability, including direct, indirect and intangible factors
- sustainability-related regulatory and reporting requirements relevant to the industry
- sustainability-related voluntary standards, codes, reporting frameworks, certification and co-regulatory arrangements relevant to the industry.
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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:
 - access to data on water supply and usage
- modelling of industry operating conditions.

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

Links

Companion Volume Implementation Guides are available from VETNet - -

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