



Australian Government

Assessment Requirements for FWPCOT3314 Comply with soil and water protection

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has:

- implemented either a soil or a water protection procedure in an operational work setting on one occasion
- followed workplace policies and procedures, current legislation, regulations and related industry standards and codes of practice applicable to soil and water protection operations
- monitored work practices in one operational work setting for consistency with soil and water protection requirements and made at least one recommendation on ways of improving work practices to enhance soil and water protection.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- regulations, standards, codes of practice and established safe practices for soil and water protection procedures
- applicable regulations from all levels of government that affect operations in relation to soil and water protection:
 - regional agreements
 - relevant codes of practice
 - operational plans
- workplace standards, requirements, policies and procedures relevant to soil and water protection
- techniques and measures relevant to erosion mitigation:
 - walk-over techniques
 - minimal disturbance techniques
 - crown and cross fall drainage

- cross bank drainage
- relief culverts on roads
- mitre and table drains on roads
- armouring/gravelling of roads
- crossing and draining surfaces
- batter stabilisation
- contour banks and channels
- gabions
- sediment basins
- riparian buffer zones
- outlet protection structures
- revegetation
- factors that are likely to influence soil and water protection measures:
 - track and road maintenance
 - drainage structures
 - setting of contour lines
 - slope measurement techniques
 - boundaries and survey markers
 - site preparation techniques
 - site cultivation techniques
 - disposal of logging waste materials
 - windrowing placement and techniques
 - tree selection and felling techniques
 - log dump locations and techniques
 - log extraction and haulage techniques
 - clearing techniques
 - soil types
- environmental features that can be adversely affected if soil erosion occurs, or if inundated with sediment of other pollutants:
 - trees, understorey and other vegetation
 - drainage lines and drainage depressions
 - water course, creeks and rivers
 - lakes, swamps and wetlands
 - aquatic species
 - steep slopes
 - caves
 - historic and cultural heritage sites
 - road and water supply infrastructure
- other pollution control measures:
 - fuel containment barriers

- chemical spillage barriers
- containment and removal of work waste, rubbish litter and human waste
- risks and hazard identification relevant to soil and water protection
- established communication channels and protocols for compliance with soil and water protection
- procedures for recording and reporting workplace information related to soil and water protection activities.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in the workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools, equipment and machinery required for soil and water protection operations
 - personal protective equipment used in soil and water protection operations
 - communication system
- specifications:
 - access to workplace policies and procedures applicable to soil and water protection operations
 - access to operational plans
 - access to access to workplace procedures and forms for recording soil and water protection activities.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>