



Australian Government

Assessment Requirements for FWPCOT3258 Comply with soil and water protection

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3258 Comply with soil and water protection, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including 'Required Skills and Knowledge, Evidence Guide and Range Statement

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- effectively comply with soil and water protection requirements
- following regulatory or local government ordinance requirements, codes of practice, WHS and environmental policies for the protection of soil, water and water catchments
- follow organisational policies and procedures, relevant to the protection of soil, water and water catchments
- implement effective erosion mitigation, sediment and pollutant control, surface and ground water protection measures
- monitor and maintain erosion mitigation and sediment control processes and water catchment protection measures
- use effective communication and safe work practices
- identifying and reporting non-compliant work practices
- complete relevant workplace documentation.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- regulations, standards, codes of practice and established safe practices for soil and water protection procedures, including the following

- applicable regulations from all levels of government that affect forest operations in relation to soil and water protection including:
 - regional forest agreements
 - relevant codes of practice
 - forest operational plans
- organisational and site standards, requirements, policies and procedures relevant to soil and water protection
- techniques and measures relevant to erosion mitigation including the majority of the following:
 - 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 including:
 - 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
- environmental features that can be adversely effected if soil erosion occurs, or if inundated with sediment of other pollutants including the majority of the following:

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

Assessment Conditions

The following resources must be made available:

- forest operations site
- workplace requirements and site standards for complying with soil and water protection principles.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>