



**Australian Government**

# **Assessment Requirements for FWPWPP3217 Process production effluent**

**Release: 1**

# Assessment Requirements for FWPWPP3217 Process production effluent

## Modification History

Release	Comment
1	<p>Replaces equivalent unit FPIWPP3217B Process production effluent, 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.</p> <p>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.</p>

## 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:

- process production effluent over two four hour shifts
- across those two shifts complete these activities:
  - treat production effluent
  - distribute treated water to pasture
  - drain and clean equipment and dispose of solids
  - complete basic written records of process outcomes and equipment faults.

## Knowledge Evidence

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

- applicable commonwealth, state, territory or local government regulations relevant to effluent discharge
- environmental protection practices for processing production effluent:
  - reducing energy use
  - distributing treated water with appropriate levels of acidity and alkalinity
  - monitoring presence of weeds and vermin
  - disposing of solids and hazardous substances
- purpose of treating effluent and distributing water to pasture
- typical work flow processes and effluent treatment techniques

- properties, at a basic level of understanding, of treatment solutions used in effluent treatment
- range of acceptable levels of acidity and alkalinity in processed effluent to minimise environmental impacts on the local area
- purpose, features and operation of equipment used to process production effluent:
  - pumping lines
  - mixing tanks
  - effluent line settling pits
  - clarifiers
  - sludge beds
- methods used to:
  - safely handle chemicals used in the treatment process
  - drain and clean equipment
- organisational procedures specific to processing production effluent:
  - workplace health and safety with particular emphasis on equipment lock out, use of personal protective equipment and handling hazardous substances
  - communication reporting lines
  - recording and reporting process outcomes and equipment faults.

## Assessment Conditions

The following resources must be made available:

- effluent processing and water distribution plant including:
  - pumping lines
  - mixing tanks
  - effluent line settling pits
  - clarifiers
  - sludge beds
- personal protective equipment suitable for processing production effluent
- treatment solution
- manufacturers':
  - safety data sheets
  - instructions for equipment use
  - recommendations for draining and cleaning equipment
- template documents for recording process outcomes and equipment faults
- relevant personnel for the purposes of communicating information
- organisational procedures for processing production effluent.

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>