



Australian Government

FWPWPP3217 Process production effluent

Release: 1

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Modification History

Release	Comment
1	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.

Application

This unit of competency describes the outcomes required to operate the effluent plant and distribute waste water to pasture.

The unit applies to production operators and technicians who process production effluent in a forest and wood products factory setting and includes draining and cleaning equipment.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Wood Panel Products

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare effluent plant	1.1 Select appropriate personal protective equipment and check for operational effectiveness. 1.2 Use equipment in line with organisational safety procedures, manufacturer's instructions and environmental protection practices. 1.3 Set up pumping lines and check for operational effectiveness. 1.4 Pump treatment solution from mixing tank to effluent line, settling pits and clarifier. 1.5 Run sludge from clarifier and drain water from sludge beds in line

	with organisational procedures and environmental protection practices.
2. Distribute water to pasture	<p>2.1 Set flow rate and pump water to pasture area.</p> <p>2.2 Check absorption and pH levels; monitor and adjust flow rate for optimal distribution.</p>
3. Complete operator maintenance	<p>3.1 Follow organisational safety procedures to lock out equipment.</p> <p>3.2 Drain settling pits and clean to collection point.</p> <p>3.3 Clean solids from discharge drain and dispose of in line with environmental protection practices.</p> <p>3.4 Recirculate water from catchment area to irrigation.</p> <p>3.5 Monitor dam banks for weed and vermin.</p> <p>3.6 Keep effluent plant area clear of foreign bodies and debris in line with organisational safety procedures.</p> <p>3.7 Record and report effluent processing and equipment faults to appropriate personnel.</p>

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.	
Numeracy skills to:	<ul style="list-style-type: none"> • measure correct amount of treatment solution required for settling pits and clarifier • complete routine calculations to determine optimal flow rate for water distribution and pH levels.
Reading skills to:	<ul style="list-style-type: none"> • interpret: <ul style="list-style-type: none"> • workplace health and safety and other organisational procedures • safety data sheets • manufacturers' instructions.
Writing skills to:	<ul style="list-style-type: none"> • complete accurate basic records for effluent processing and equipment faults.
Planning and organising skills to:	<ul style="list-style-type: none"> • efficiently and logically sequence the stages of effluent treatment and water distribution.
Problem-solving skills to:	<ul style="list-style-type: none"> • identify and dispose of foreign material • recognise faulty equipment and resolve by reporting or rectifying.

Technology skills to:	<ul style="list-style-type: none">• select and use appropriate personal protective equipment for processing production effluent• efficiently and safely operate and monitor mechanical pumps used for processing effluent.
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Range of Conditions

Not Applicable

Unit Mapping Information

FPIWPP3217B Process production effluent

Links

Companion Volume implementation guides are found in VETNet -

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