



Australian Government

FWPCOT3232 Operate heat plant

Release: 1

FWPCOT3232 Operate heat plant

Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3232B Operate heat plant, 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 start up, operate and store an energy producing heat plant.

The unit applies to heat plant operators in a timber processing plant setting and includes shutting down 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

Sawmilling and Processing

Timber Manufactured Products

Wood Panel and Board Production

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 for operation	1.1 Review operational order and where required check with appropriate personnel. 1.2 Select appropriate personal protective equipment and check for operational effectiveness. 1.3 Identify and set quantity of energy to be generated for allocated process.

	1.4 Plan heat generation in line with work order.
2. Operate and monitor heat plant	<p>2.1 Use equipment in line with organisational safety procedures, manufacturer's instructions and environmental protection practices.</p> <p>2.2 Complete pre-operational safety and pre start-up checks to ensure operational effectiveness.</p> <p>2.3 Start plant and bring safely on line; communicate recent performance to appropriate personnel.</p> <p>2.4 Assess continued operation of heat plant against pre-operational checks, maintenance requirements and operating conditions.</p> <p>2.5 Monitor heat plant operation, diagnose status and adjust to maintain safe and efficient operation.</p> <p>2.6 Follow emergency shutdown procedures in cases of fire.</p> <p>2.7 Complete operating log, record fuel efficiency and report to appropriate personnel.</p>
3. Shut down and store heat plant	<p>3.1 Follow organisational safety procedures to shut down equipment.</p> <p>3.2 Remove or replace valves and fittings in line with organisational safety procedures if required</p> <p>3.3 Maintain cleanliness of heat plant and plant room in line with environmental protection practices</p> <p>3.4 Select storage mode and store heat plant in line with organisational safety procedures.</p> <p>3.5 Record and report and equipment faults and maintenance requirements 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"> read basic numerical machine settings and select according to operational requirements record numerical data involving fuel efficiency.
Oral communication skills to:	<ul style="list-style-type: none"> ask questions and actively listen to clarify contents of operational orders.
Reading skills to:	<ul style="list-style-type: none"> interpret: <ul style="list-style-type: none"> workplace health and safety and other organisational procedures operational orders

	<ul style="list-style-type: none">• manufacturers' instructions and maintenance recommendations.
Writing skills to:	<ul style="list-style-type: none">• complete accurate basic records for heat plant operations, equipment faults and maintenance requirements.
Planning and organising skills to:	<ul style="list-style-type: none">• efficiently and logically sequence the stages of heat plant start up, shut down and cleaning using work order to guide activities.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3232B Operate heat plant

Links

Companion Volume implementation guides are found in VETNet -

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