



Australian Government

FWPCOT4207 Plan and coordinate heat plant operations

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT4207B Plan and coordinate heat plant operations, 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 plan the operation of a heat plant and to coordinate heat plant operating personnel to startup, operate, shutdown, clean and store the heat plant.

The unit applies to operators of a heat plant in a timber processing plant setting and also involves monitoring and adjusting heat plant performance.

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

Elements and Performance Criteria

ELEMENTS	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. Plan heat plant operation	1.1 Interpret requirements for the allocated process to calculate generation levels. 1.2 Plan and document operational orders and schedules to meet

ELEMENTS	PERFORMANCE CRITERIA
	<p>production requirements.</p> <p>1.3 Plan heat plant startup, operation and shutdown in line with production requirements.</p> <p>1.4 Communicate all information to operators in line with organisational procedures.</p>
2. Coordinate heat plant startup and operation	<p>2.1 Check heat plant chemicals for correct labelling to ensure compliance with safety, and regulatory requirements.</p> <p>2.2 Direct operator processes for completing pre-operational safety and pre start-up checks.</p> <p>2.3 Monitor heat plant startup for correct running conditions and sign on.</p> <p>2.4 Routinely check continued operation and condition of heat plant with operators and assist them to evaluate heat plant data and performance.</p> <p>2.5 Modify generation levels to ensure optimum performance and communicate changes to operators.</p> <p>2.6 Diagnose problematic heat plant operations, calculate required adjustments and communicate to operators.</p> <p>2.7 Monitor and evaluate heat plant operations and output to determine process improvements.</p> <p>2.8 Direct emergency shutdown processes in cases of fire.</p>
3. Coordinate heat plant shutdown, storage and records	<p>3.1 Direct operator processes for shutting down equipment and ensure compliance with organisational safety procedures.</p> <p>3.2 Check removal of valves and fittings and inspect heat plant.</p> <p>3.3 Assess heat plant condition, direct operator cleaning processes and ensure compliance with environmental protection practices.</p> <p>3.4 Select storage mode and direct operators to store heat plant in line with organisational procedures.</p> <p>3.5 Obtain operating logs and fuel efficiency records from operators and complete operating calculations.</p> <p>3.6 Document and report operational records, equipment faults and process improvement recommendations 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"> complete calculations for generation levels against production requirements read basic numerical machine settings to monitor heat plant performance record numerical data involving fuel efficiency.
Oral communication skills to:	<ul style="list-style-type: none"> provide clear and unambiguous information and instructions to operators.
Reading skills to:	<ul style="list-style-type: none"> interpret documents about production requirements.
Writing skills to:	<ul style="list-style-type: none"> develop documents in a style and format easily understood by others: operational orders and heat plant schedules reports on potential process improvements including rationale for recommendations complete accurate basic records of heat plant operations and equipment faults.
Planning and organising skills to:	<ul style="list-style-type: none"> source, collect and organise data to inform heat plant schedules and process improvement reports efficiently and logically manage operational logistics for heat plant operations.
Teamwork skills to:	<ul style="list-style-type: none"> take responsibility for coordinating a team of operators for effective heat plant operations.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT4207B Plan and coordinate heat plant operations

Links

Companion Volume implementation guides are found in VETNet -

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