



Australian Government

FWPCOT4206 Plan and coordinate boiler operations

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT4206B Plan and coordinate boiler 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 steam generated boiler and to coordinate boiler operating personnel to startup, operate, shutdown, clean and store the boiler.

The unit applies to boiler plant operators in a timber treatment plant setting and also involves monitoring and adjusting boiler performance.

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

Pre-requisite Unit

Nil

Competency Field

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

ELEMENTS	PERFORMANCE CRITERIA
	production requirements. 1.3 Plan boiler startup, operation and shutdown in line with production requirements. 1.4 Communicate all information to operators in line with organisational procedures.
2. Coordinate boiler startup and operation	2.1 Check boiler house chemicals for correct labelling to ensure compliance with safety, and regulatory requirements. 2.2 Direct operator processes for completing pre-operational safety and pre start-up checks. 2.3 Monitor boiler startup for correct running conditions and sign on. 2.4 Routinely check continued operation and condition of boiler with operators and assist them to evaluate boiler data and performance. 2.5 Modify generation levels to ensure optimum performance and communicate changes to operators. 2.6 Diagnose problematic boiler operations, calculate required adjustments and communicate to operators. 2.7 Monitor and evaluate boiler operations and output to determine process improvements. 2.8 Direct emergency shutdown processes in cases of fire.
3. Coordinate boiler shutdown, storage and records	3.1 Direct operator processes for shutting down equipment and ensure compliance with organisational safety procedures. 3.2 Check removal of valves and fittings and inspect boiler. 3.3 Assess boiler condition, direct operator cleaning processes and ensure compliance with environmental protection practices. 3.4 Select storage mode and direct operators to store boiler in line with organisational procedures. 3.5 Obtain operating logs and fuel efficiency records from operators and complete operating calculations. 3.6 Document and report operational records, equipment faults and process improvement recommendations to appropriate personnel.

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:	- complete calculations for steam generation levels against production requirements - read basic numerical machine settings to monitor boiler performance - record numerical data involving fuel efficiency.
Oral communication skills to:	provide clear and unambiguous information and instructions to operators.
Reading skills to:	interpret documents about production requirements.
Writing skills to:	- develop documents in a style and format easily understood by others: - operational orders and boiler schedules - reports on potential process improvements including rationale for recommendations - complete accurate basic records of boiler operations and equipment faults.
Planning and organising skills to:	- source, collect and organise data to inform boiler schedules and process improvement reports - efficiently and logically manage operational logistics for boiler operations.
Teamwork skills to:	take responsibility for coordinating a team of operators for effective boiler operations.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT4206B Plan and coordinate boiler operations

Links

Companion Volume implementation guides are found in VETNet -

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