



Australian Government

FWPCOT3333 Conduct heat plant operations

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Application

This unit of competency describes the skills and knowledge required to prepare for, start up, operate, shut down and store an energy producing heat plant.

The unit applies to individuals who operate heat plants in a timber or wood products production facility.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

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.</i>
1. Prepare for heat plant operations	1.1 Determine job requirements from work order or instruction and, where required, check with appropriate personnel 1.2 Confirm workplace health and safety and environmental protection practices and/or procedures and emergency procedures relevant to task 1.3 Identify hazards, assess risks and determine control measures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	associated with energy generating heat banks 1.4 Select appropriate personal protective equipment and check for operational effectiveness 1.5 Identify and set quantity of energy to be generated for allocated process as specified in work order 1.6 Check heat plant chemicals for correct labelling to ensure compliance with health and safety procedures and regulatory requirements 1.7 Complete pre-operational safety and pre-start-up checks to ensure operational effectiveness of heat plant
2. Operate and monitor heat plant	2.1 Start heat plant according to workplace procedures 2.2 Assess heat plant condition for anomalies during start-up, and rectify or report to relevant personnel according to workplace procedures 2.3 Monitor heat plant operation, diagnose status and adjust to maintain safe and efficient operation 2.4 Shut down heat plant in cases of fire according to emergency procedure 2.5 Record and report heat plant operations and fuel efficiency to appropriate personnel
3. Shut down and store heat plant	3.1 Isolate and shut down heat plant according to workplace health and safety procedures 3.2 Remove or replace valves and fittings according to workplace procedures, if required 3.3 Maintain cleanliness of heat plant and plant room according to workplace procedures 3.4 Select storage mode and store heat plant according to workplace procedures 3.5 Record and report equipment faults and maintenance requirements to appropriate personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret routine technical documents and instruction manual for heat plant
Writing	Complete routine records for heat plant operations, equipment faults and maintenance requirements
Oral communication	Ask questions and actively listen to clarify contents of operational orders
Numeracy	- Interpret basic numerical machine settings, gauges and data recording equipment - Record numerical data involving fuel efficiency - Measure and record chemical usage

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3333 Conduct heat plant operations	FWPCOT3232 Operate heat plant	Redesigned unit that includes content from FWPCOT3232 Operate heat plant and FWPCOT4207 Plan and coordinate heat plant operations	Not equivalent
FWPCOT3333 Conduct heat plant operations	FWPCOT4207 Plan and coordinate heat plant operations	Redesigned unit that includes content from FWPCOT3232 Operate heat plant and FWPCOT4207 Plan and coordinate heat plant operations	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>