Australian Government

PPMSTM330 Shut down and bank steam boiler

Release: 2

PPMSTM330 Shut down and bank steam boiler

Modification History

Release	Comments
Release 2	This version released with PPM Pulp and Paper Manufacturing Training Package Version 2.0.
Release 1	This version released with PPM Pulp and Paper Manufacturing Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to shut down steam boilers in planned, unplanned and emergency situations and to inspect, maintain and store boilers.

The unit applies to production operators and technicians who shut down and bank steams boilers in a pulp or paper manufacturing facility. This typically involves working in a facility with complex integrated equipment and continuous operations.

No licensing, legislative or certification requirements apply to this unit at the time of publication. Where the boiler equipment falls under the category for which a High Risk Work Licence is required, this unit should not be used and the appropriate unit should be sought.

Pre-requisite Unit

Nil

Unit Sector

Steam generation (STM)

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Shut down, inspect and maintain boiler	1.1 Initiate appropriate isolations and shut down boiler and ancillary plant following workplace health and safety and standard operating procedures (SOP)

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
	1.2 Prepare boiler for inspection
	1.3 Establish condition of boiler to ensure safe removal of equipment
	1.4 Inspect boiler and complete routine preventative maintenance
	1.5 Clean boiler internally and externally in line with environmental protection practices
	1.6 Record and report maintenance requirements
	1.7 Select, fit, use and maintain personal protective equipment according to job requirements and task to be undertaken
2. Store boiler in shutdown mode	2.1 Establish storage time and condition of storage
	2.2 Store boiler in safe condition for access in line with manufacturer's specifications
	2.3 Analyse stored boiler water and chemicals when boiler is stored for extended periods
3. Respond to unplanned or emergency shutdowns	3.1 Respond to shutdown requirement immediately
	3.2 Follow organisational safety procedures to maintain safety of personnel and plant during emergency shutdown situations
	3.3 Identify and locate cause of shutdown
	3.4 Monitor and maintain continuing plant operation in safe working mode
	3.5 Notify relevant personnel to rectify and make plant ready for restart
4. Record and report shutdown data	4.1 Record shutdown and corrective action processes
	4.2 Report shutdown information to relevant 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 detailed familiar workplace health and safety and SOP

Skill	Description
Writing	• Complete accurate basic records for shutdown processes and maintenance requirements
Numeracy	• Interpret basic numerical settings on instruments and gauges involving pressures, flows and temperatures
Get the work done	• Use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to respond to boiler faults

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMSTM330 Shut down and bank steam boiler Release 2	PPMSTM330 Shut down and bank steam boiler Release 1	Performance criteria added, minor changes to knowledge evidence, minor change to licensing statement	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93