PPMSTM320 Manage steam boiler start up

Release: 2

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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 plan, prepare, manage and report on steam boiler startups, in the pulp and paper industry.

This unit applies to production operators and technicians who manage steam boiler startups, in a pulp and 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. Conduct pre-operational safety checks	1.1 Confirm plant status and boiler types through inspections, observation and other information 1.2 Plan and carry out boiler startup activities according to productivity requirements, environmental sustainability requirements, workplace health and safety and standard operating procedures

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
	including use of personal protective equipment and housekeeping requirements 1.3 Identify and report potential work area hazards and implement control measures 1.4 Establish work and output requirements 1.5 Conduct pre operational and safety checks on equipment 1.6 Remove isolations 1.7 Confirm availability of process supplies
2. Conduct startup procedures	2.1 Establish pre-light conditions 2.2 Start boiler and bring on-line 2.3 Monitor boiler condition during startup to detect abnormal conditions 2.4 Observe system and plant for correct operational response 2.5 Detect deviations from required operating conditions and rectify using corrective action
3. Record and report startup activities	3.1 Document responses to corrective actions 3.2 Record and report on startup information according to organisational procedures

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	• Read and interpret documentation, procedure manuals and customer orders relevant to steam boilers
Writing	• Record startup activities accurately and legibly, using correct technical vocabulary
Numeracy	• Interpret instruments, gauges and data recording equipment • Use measuring equipment
Navigate the world of	• Use electronic and other control systems to control equipment and

Skill	Description
work	processes • Access, navigate and enter computer based information
Interact with others	• Select and use appropriate spoken communication strategies with work colleagues and other personnel on site to manage steam boiler startup
Get the work done	• Maintain situational awareness in the work area • Analyse and use sensory information to adjust process to maintain and coordinate safety, quality and productivity

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMSTM320 Manage steam boiler startup Release 2	PPMSTM320 Manage steam boiler startup Release 1	Minor changes to performance criteria and 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