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PPMPUL440 Troubleshoot and rectify pulping processes

ISC INDUSTRY SKILLS COUNCILS
Creating Australia's Future

PPMPUL440 Troubleshoot and rectify pulping processes

Modification History

Release	Comment
1	Replaces equivalent unit FPPPUL440A Troubleshoot and rectify pulping processes, which was first released with FPP10 Pulp and Paper Manufacturing Industry Training Package Version 1.0. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to troubleshoot, rectify and report on pulping processes in the pulp and paper industry.

The unit applies to operators, technicians and senior technicians who troubleshoot and rectify pulping processes, in a pulp or paper manufacturing facility. This typically involves working in a facility with complex integrated equipment and continuous operations.

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

Pre-requisite Unit

Nil

Unit Sector

Pulp and Paper Manufacturing

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	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.
1. Identify and analyse causes of faults	1.1. Identify faults in pulping processes in accordance with productivity requirements, relevant workplace health and safety (WHS) procedures, risks and hazards identification and environmental workplace procedures. 1.2. Interpret alarm systems and observations to determine faults and location. 1.3. Identify faults through routine physical inspections of plant, processes and equipment. 1.4. Interpret sampling and results to identify variations from specifications or schedule. 1.5. Use appropriate techniques to identify and locate cause and source of the problem. 1.6. Access and analyse relevant data, as required to assist analysis.
2. Rectify plant faults	2.1. Conduct operator level on-line adjustments. 2.2. Implement isolation procedures and plant shut down prior to faul rectification. 2.3. Isolate, by-pass, repair or replace faulty plant, as required. 2.4. Return plant to normal operation. 2.5. Communicate verification to relevant personnel.
3. Rectify product quality faults	3.1. Identify by observation, systematic sampling and testing, product quality faults or variations. 3.2. Interpret test results and adjust operations to correct faults. 3.3. Rectify faults and causes or make recommendations for further action. 3.4. Manage out-of-specification product.
4. Record and report process performance and product quality data	4.1. Identify recording and reporting workplace requirements for process performance and product quality data. 4.2. Document variations from product specification. 4.3. Record process variation and faults. 4.4. Record actions undertaken to troubleshoot and rectify faults. 4.5. Communicate relevant information 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:	• interpret instruments, gauges and data recording equipment • use measuring equipment, as required.
Oral communication skills to:	• select and use appropriate spoken communication strategies with work colleagues and other personnel on site.
Reading skills to:	• read and interpret specifications, procedure manuals and test results.
Writing skills to:	• record and report test results and rectifications accurately and legibly using correct technical vocabulary • access, navigate and enter computer based information.
Problem solving skills to:	• maintain situational awareness in the work area • analyse and use sensory information to adjust process to maintain and co-ordinate safety, quality and productivity.
Technology skills to:	• use electronic and other control systems to control equipment and processes and make appropriate adjustments for troubleshooting processes

Range of Conditions

Not Applicable

Unit Mapping Information

FPPPUL440A Troubleshoot and rectify pulping processes

Links

Companion Volume Implementation Guide -
http://www.skillsimpact.com.au/pulp-and-paper/skills-standards-and-qualifications/