Modification history

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| Release | Comments |
| Release 1 | This version released with PPM Training Package Version 1.0. |

| PPMSPR210 | Monitor and control stock preparation systems |
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| Application | This unit of competency describes the outcomes required to to monitor and maintain stock preparation systems, ensure stock quality, complete product grade changes and record and report production data.  The unit applies to production support operators who work in a pulp or paper manufacturing facility in the stock preparation area. 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. |
| Prerequisite Unit | Nil |
| Unit Sector | Pulp and Paper Manufacturing (PPM) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Monitor and maintain process | 1.1. Check production requirements at start of shift and plan daily work activities in line with organisational safety and standard operating procedures.  1.2. Confirm operational status by inspection, observation and other information.  1.3. Maintain process supplies to meet production requirements.  1.4. Monitor process to ensure stock preparation system operations are within specification.  1.5. Identify, rectify or report routine variations from specification.  1.6. Monitor and maintain process levels to maintain productivity requirements.  1.7. Monitor and adjust stock systems during stock-off situations.  1.8. Complete routine preventative maintenance in line with maintenance schedules. |
| 2. Control quality of stock, chemicals and water | 2.1. Monitor and maintain quality of stock, chemicals and water to specification.  2.2. Conduct routine visual observations and assessments on stock and system operations.  2.3. Sample and test stock quality to ensure production requirements are maintained; interpret and record results.  2.4. Adjust system operation to rectify out-of-specification product and maintain productivity requirements. |
| 3. Complete product grade change | 3.1. Plan and determine grade change requirements and obtain stock and chemicals.  3.2. Shut down stock preparation systems as required.  3.3. Complete flushing, draining and cleaning of stock, chemicals and water systems.  3.4. Implement process setups or adjustments to meet new grade requirements.  3.5. Stage raw materials and supplies required for new grade requirements as ready for use  3.6. Coordinate and implement stock, chemical and water system start-ups to meet new grade requirements.  3.7. Coordinate and implement grade change on the run as required. |
| 4. Record and report product and process data | 4.1. Interpret production data and enter into recording system.  4.2. Communicate problems or variations with process, product or equipment 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. | |
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| Skill | Description |
| Numeracy skills to: | * interpret basic numerical settings on instruments, gauges and data recording equipment * monitor, assess and interpret system and production data * record basic numerical data for test results and production outcomes. |
| Oral communication skills to: | * provide clear basic information about problems or variations with process, products and equipment. |
| Reading skills to: | * interpret: * workplace health and safety and standard operating procedures * maintenance schedules. |
| Writing skills to: | * complete accurate basic records for system operation and production outcomes. |
| Problem solving skills to: | * use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to adjust process to maximise safety, quality and productivity. |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| PPMSPR210 Monitor and control stock preparation systems | FPPSPR210A Monitor and control stock preparation systems |  | Equivalent unit |

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

| TITLE | Assessment requirements for PPMSPR210 Monitor and control stock preparation systems |
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| Performance Evidence | |
| A person demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit, and must be able to provide evidence that they can:   * monitor and control stock control preparation systems within a pulp and paper manufacturing facility, at least twice in line with required enterprise intervals * complete routine maintenance on equipment * complete product grade changes * complete records for system operation, production outcomes and equipment faults. | |

| Knowledge Evidence |
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| A person competent in this unit must be able to demonstrate knowledge of:   * organisational procedures relevant to workplace health and safety with particular emphasis on: * use of personal protective equipment (PPE) * equipment lock out and isolation procedures * handling chemicals and hazardous substances, including spill and disposal guidelines * plant clearance requirements * emergency procedures and responses * job safety analysis documentation and processes * plant permit systems and processes * high risk load shifting licensing requirements where relevant * major hazard facility licensing requirements where relevant * system layout for stock preparation systems * purpose, features and operation of stock preparation system plant, operating parameters and allowable variations * operation and application of electronic and other control systems * processes required to co-ordinate grade changes for stock preparation systems * purpose of, and processes for sampling and testing product quality, plant and system operations * quality requirements for different types of stock * methods used to monitor stock preparation system operations against specified system parameters * effect of process adjustments on product quality and productivity during monitoring and operation * grades for different types of stock and applicable terminology * types of raw materials used to produce stock and how they influence paper properties * organisational procedures: * standard operating procedures specific to controlling stock preparation systems * communication reporting lines * recording and reporting system operation, production outcomes and equipment faults |

| Assessment Conditions |
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| The following resources must be made available:   * access to the full range of equipment required to monitor stock preparation systems in a pulp or paper manufacturing facility * organisational workplace health and safety and standards for stock preparation systems in a pulp or paper mill * testing equipment for stock * maintenance tools and equipment and consumables for stock preparation plant * personal protective equipment suitable for operating stock preparation systems * relevant personnel for the purposes of communicating information * maintenance schedules for stock preparation systems * template documents for recording system operation and production outcomes.   Competency is to be assessed in the workplace or in a productive environment that accurately reflects performance in a workplace.  Assessor requirements  Assessors must:   * hold the appropriate assessor competency standards as outlined in regulations; and * be able to demonstrate vocational competencies at least to the level being assessed; and * be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence. |

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