Modification history

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

| PPMWEO330 | Co-ordinate and implement wet end shutdown |
| --- | --- |
| Application | This unit of competency describes the outcomes required to shut down wet end operations in both planned and unplanned situations and to record and report shutdown data.  The unit applies to production operators and technicians who co-ordinate and implement wet end shutdowns, 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. |
| Prerequisite Unit | Nil |
| Unit Sector | Pulp and Paper Manufacturing (PPM) |

| Elements | Performance Criteria |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Co-ordinate planned shutdown | 1.1. Use maintenance and grade change schedules to plan and co-ordinate shutdown of wet end operations.  1.2. Follow procedures to shut down process supplies.  1.3. Follow organisational safety and standard operating procedures to initiate appropriate isolations and shut down systems.  1.4. Inspect system and record and report further maintenance requirements. |
| 2. Respond to unplanned shutdown | 2.1. Respond to unplanned shutdown immediately.  2.2. Initiate appropriate isolations, identify and locate cause of unplanned shutdown.  2.3. Rectify, isolate and or contain faulty plant where possible to allow continued production.  2.4. Follow procedures to shut down process supplies where fault cannot be rectified.  2.5. Assess effects of unplanned shutdown to determine impact on operations.  2.6. Communicate unplanned shutdown to appropriate personnel. |
| 3. Record and report shutdown data | 3.1. Record shutdown and corrective action processes.  3.2. 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 |
| Numeracy skills to: | * interpret basic numerical settings on instruments, gauges and data recording equipment. |
| Reading skills to: | * interpret detailed familiar workplace health and safety and standard operating procedures. |
| Writing skills to: | * complete accurate basic records for shutdown processes and maintenance requirements. |
| Problem solving skills to: | * maintain situational awareness in the work area * use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to respond to system faults. |

|  |  |  |  |
| --- | --- | --- | --- |
| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| PPMWEO330 Co-ordinate and implement wet end shutdown | FPPWEO330A Co-ordinate and implement wet end shutdown |  | Equivalent unit |

|  |  |
| --- | --- |
| 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 PPMWEO330 Co-ordinate and implement wet end shutdown |
| --- | --- |
| 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:   * co-ordinate planned shutdowns of a wet end system within a pulp and paper manufacturing facility, at least twice in line with required enterprise intervals, and complete these activities after shutdown: * inspect the system for these maintenance requirements: * complete basic records for shutdown processes and maintenance requirements * respond to an unplanned or emergency shutdown and implement responses appropriate to the cause and complete a basic report on corrective action processes. | |

| Knowledge Evidence |
| --- |
| 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 requirements where relevant * system layout for wet end plant * purpose, features and operation of wet end system plant, operating parameters and allowable variations * operation and application of electronic and other control systems * key features and purpose of processes involved in shutting down wet end systems including: * stock approach systems * forming system * pressing systems * cleaning and screening system * types, causes and effects of, and required emergency and other responses to, unplanned wet end system shutdowns including: * power outage * mechanical breakdown * blockages * jamming * air supply * control system failure * methods used to test wet end systems and diagnose faults * organisational procedures: * standard operating procedures specific to wet end shutdown * communication reporting lines * recording and reporting shutdown processes and maintenance requirements |

| Assessment Conditions |
| --- |
| The following resources must be made available:   * access to the full range of chemicals, equipment, and reporting and documentation procedures involved in co-ordinating and implementing the shutdown of wet end operations in a pulp or paper manufacturing facility * fully automated, semi-automated, manually operated plant and equipment appropriate to the wet end process and related consumables * test and diagnostic equipment * relevant personnel for the purposes of communicating information * personal protective equipment required for implementing wet end shutdown * template documents for recording shutdown information.   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. |

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