Modification history

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

| PPMWPO320 | Prepare and start up waste paper operations |
| --- | --- |
| Application | This unit of competency describes the outcomes required to determine production requirements, prepare and establish start up waste paper operations in a pulp or paper manufacturing facility.  This unit applies to production operators and technicians who prepare and start up waste paper operations, in the pulp and paper industry. 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. Determine production requirements | 1.1. Confirm planned production requirements and communicate to relevant personnel according to documentation and procedures, work health and safety (WHS) procedures, productivity requirements and standard operating procedures (SOP).  1.2. Determine furnish type, chemical requirements and supply rate (conveyer loading procedure) and communicate to relevant personnel.  1.3. Confirm availability of supplies to meet production requirements.  1.4. Confirm readiness and availability of facilities to receive process product and/or by-products. |
| 2. Inspect and prepare systems for startup | 2.1. Inspect systems for waste paper operations.  2.2. Complete pre-start checkups.  2.3. Make and confirm operational settings with specification requirements.  2.4. Confirm production status with relevant personnel.  2.5. Check monitoring devices and systems to confirm they are operational.  2.6. Rectify identified faults or take appropriate actions. |
| 3. Implement startup operations | 3.1. Activate systems for start up and confirm they are operational.  3.2. Coordinate equipment start ups for production.  3.3. Monitor systems and adjust to rectify variations from specifications.  3.4. Communicate process operations to relevant personnel.  3.5. Log, record or file production start ups. |
| 4. Establish and stabilise the production and quality processes | 4.1. Monitor and adjust systems to rectify variations from specifications.  4.2. Take samples as required and appropriately action.  4.3. Log, record or file system operation, production and quality data. |

| 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: | * use measuring equipment * interpret instruments, gauges and data recording equipment. |
| Oral communication skills to: | * speak clearly and directly when working with colleagues when preparing and starting up waste paper operations. |
| Reading skills to: | * read and interpret documentation, procedure manuals and test results. |
| Writing skills to: | * log and record production and start up details, 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 for waste paper operations. |

|  |  |  |  |
| --- | --- | --- | --- |
| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| PPMWPO320 Prepare and start up waste paper operations | FPPWPO320A Prepare and start up waste paper operations |  | 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 PPMWPO320 Prepare and start up waste paper operations |
| --- | --- |
| 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:   * prepare and start up waste paper operations, at least twice in line with required enterprise intervals, in a pulp or paper manufacturing facility by: * identifying and actioning problems within level of responsibility * undertaking pre startup checks and confirming that services, raw material, equipment and personnel are available and faults are identified * identifying and monitoring process control points * planning and organising startups * monitoring and adjusting systems, through inspections and tests, and rectifying variations from specifications * using and interpreting electronic control systems, including Digital Control System (DCS), touch screens or robotics to control equipment and processes during operations * reporting on sampling, tests and operational data * communicating effectively, through written and verbal means, and working safely with others, in the work area when undertaking waste paper operations. | |

| 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 * documentation and procedures relevant to waste paper operations in the pulp and paper industry and including: * standard operating procedures (SOP) and housekeeping * productivity requirements and quality procedures * environmental sustainability requirements and practices * machinery and plant manufacturing operating manuals * enterprise policies and procedures * Safety Data Sheets (SDS) * furnish sheets and tally sheets * maintenance logs, job sheets * site agreements * hazards and risks including steam and/or gas leaks, fires, chemicals, fumes, confined spaces and dust, and how to address them * key features of waste paper operations including pulping, screening, dewatering and reject systems * appropriate materials and their uses in waste paper operations including waste paper, air, water, chemicals, broke, steam and electricity * waste paper plant, processes, layout and associated services sufficient to carry out startup responsibility * electronic and other control systems, to make appropriate adjustments that control the waste paper operations |

| Assessment Conditions |
| --- |
| The following resources must be made available:   * access to the full range of equipment involved in integrated continuous manufacturing for the start up of waste paper operations in a pulp or paper manufacturing facility * personal protective equipment required for starting up waste paper operations * relevant personnel for the purposes of communicating information * sample workplace documentation, procedures and reports including SOP, quality procedures, environmental sustainability requirements/practices, plant manufacturing operating manuals, oil or chemical spills and disposal guidelines, plant isolation documentation, safe work documentation   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 |