



Australian Government

Department of Education, Employment and Workplace Relations

LMTEW2011A Perform wool superwash

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge required to operate a superwash line for production of shrink resist wool.

Application of the Unit

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This unit applies to the setting up and operation of superwash plant and associated equipment. Work may be conducted in a variety of environments, such as:

- operational workplace activities
- hazardous, controlled or exposed conditions

Operator maintenance of superwash equipment, which may be scheduled or unscheduled and may vary according to enterprise requirements

Work may be conducted in small to large scale enterprises and may involve individual and team activities. Work is performed within defined procedures under direct supervision.

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling

This unit requires the application of skills associated with planning and organising the safe and effective use of wool superwash processes and technology. This unit also requires an ability to interpret, document and communicate job related information, check the quality of outcomes and identify and address problems relating to own work.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Operate wool <i>superwash</i> equipment	1.1 All necessary settings and preparation for machine or equipment operation are identified and assessed in accordance with specifications and workplace standard procedures 1.2 Work area around machine or equipment is cleaned and maintained 1.3 Superwash equipment is started 1.4 Superwash equipment is stopped or shut down in accordance with all <i>OHS practices</i> and workplace standard operating procedures
2 Carry out operator maintenance	2.1 Minor running problems are identified, corrected by the operator where appropriate, and reported in accordance with workplace and equipment manufacturer procedures 2.2 Major machine or equipment or product faults are reported 2.3 Minor maintenance and cleaning are performed in accordance with manufacturer specifications and workplace procedures
3 Control process variables	3.1 Chemicals are prepared, mixed and changed in accordance with manufacturer specifications, workplace requirements and relevant safety procedures 3.2 Water levels and temperatures are regularly monitored and adjusted where necessary to ensure required processing standard is achieved 3.3 All flow rates are monitored and adjusted where necessary in accordance with blend specification and workplace standard operating procedures 3.4 Moisture levels are maintained in accordance with workplace and machine manufacturer procedures
4 Evaluate chemical properties of superwash water	4.1 Tests are conducted safely in accordance with workplace procedures 4.2 Instruments are handled with care 4.3 Calculations and readings are accurately determined 4.4 Adjustments are made where necessary and any further action to be taken is assessed
5 Monitor treated wool quality	5.1 Quality requirements for prepared wool are correctly identified and applied for all stages of the process 5.2 Samples are prepared as required and details are recorded 5.3 All necessary calculations and testing procedures to evaluate the physical properties of the treated wool are accurately assessed, results recorded and samples stored 5.4 Wool product quality is visually checked to ensure standard is maintained

ELEMENT**PERFORMANCE CRITERIA**

- 5.5 Any deviations from normal are recognised, isolated and reported
- 5.6 Environmental requirements and procedures concerned with waste, pollution and recycling of materials are correctly applied at all stages of the process
- 6 Communicate production information
- 6.1 Records and other documentation are clearly and accurately completed
- 6.2 Information from other operators, shifts and supervisory personnel regarding production status and problems is accurately interpreted by the operator
- 6.3 Information regarding production status and problems is accurately communicated to other operators, shifts and supervisory personnel

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- operating principles of superwash plant and associated equipment
- machine setting and adjustment requirements
- product quality standards
- safety and environmental aspects of relevant workplace processes, including handling of chemicals
- general housekeeping policies and procedures including relevant cleaning agents and equipment
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- set and operate machines
- perform operator maintenance of machines and work area
- use relevant hand tools
- use cleaning agents and dispose of waste products
- document and transfer information
- read, interpret and follow information on work specifications, , standard operating procedures and work instructions and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry our work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence to be considered	<p>Demonstrates skills and knowledge to:</p> <ul style="list-style-type: none">• comply with all relevant safety requirements, including procedures for working with chemicals used in the superwash process• interpret work orders and product requirements• operate superwash equipment• monitor and control processes and operation of superwash equipment in conjunction with application of quality standards criteria and recognition of non-conforming outcomes• perform operator maintenance of superwash equipment including settings and adjustments• perform operator maintenance of work area• document and communicate work related information including reporting of non-conforming outcomes and other problems
Consistency in performance	<p>Consistently applies skills and knowledge when:</p> <ul style="list-style-type: none">• organising work• completing tasks• identifying improvements• using workplace practices• using OHS practices• recording and reporting accidents and incidents• assessing operational readiness of equipment used and work processes• recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions• completing work systematically with attention to detail without damage to goods and equipment
Resource implications	<p>Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.</p>
Context for assessment	<p>Assessment may occur on the job or in an appropriately simulated environment.</p>
Interdependent Assessment	<p>This unit may be assessed independently or in combination with other relevant units.</p>

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. **Bold italicised wording**, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.

Superwash equipment may include

- stretch breaker
- pre-draft gilling machine

OHS practices OHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may include:

- manual handling techniques
- standard operating procedures
- personal protective equipment
- safe materials handling
- taking of rest breaks
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- other OHS practices relevant to the job and enterprise

Unit Sector(s)

Sector Textile Production