



**Australian Government**

# **MSTGN3007 Monitor and operate trade waste**

**Release: 1**

# MSTGN3007 Monitor and operate trade waste

## Modification History

Release 1. Supersedes and is equivalent to LMTGN3007B Monitor and operate trade waste

## Application

This unit of competency covers the skills and knowledge required to monitor, operate, measure and report on trade waste system performance and process quality control.

This unit of competency applies to processing plant operations and inspection of work areas, monitoring, operating, measuring and reporting on trade waste systems.

Work may be conducted in restricted spaces or exposed conditions or controlled or open environments.

This unit of competency is applicable to all sectors of the textiles, clothing and footwear (TCF) industry.

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.

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

## Pre-requisite Unit

Nil

## Competency Field

Generic

## Unit Sector

Not applicable

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

|   |                                   |     |  |
|---|-----------------------------------|-----|--|
| 1 | <b>Determine job requirements</b> | 1.1 | Follow standard operating procedures (SOPs)                        |
|   |                                   | 1.2 | Comply with work health and safety (WHS) requirements at all times |
|   |                                   | 1.3 | Use appropriate personal protective equipment (PPE) in             |

- accordance with SOPs
- 1.4 Identify job requirements from specifications, drawings, job sheets or work instructions
- 2 **Monitor treatment plant performance**
- 2.1 Conduct and assess routine plant inspections in accordance with organisational and plant requirements
- 2.2 Collect and conduct tests of process samples
- 2.3 Collect and report process data according to organisational and plant requirements and workplace procedures
- 2.4 Identify corrosion damage
- 3 **Control chemical use**
- 3.1 Use, handle and store chemicals in accordance with organisational and statutory requirements
- 3.2 Prepare chemical dosing in accordance with plant processes and organisational and statutory requirements
- 3.3 Maintain information related to chemical supply and usage in accordance with statutory requirements
- 3.4 Interact and communicate with other employees and relevant authorities
- 4 **Operate and control processes**
- 4.1 Monitor processes to maintain parameters of operation
- 4.2 Identify and report process faults and operational conditions of plant in accordance with organisational and statutory requirements
- 4.3 Assess basic system adjustments to enhance system performance in accordance with organisational and statutory requirements
- 4.4 Compile reports compiled from plant and system data to meet organisational and statutory requirements

## Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

### **Workplace procedures include one or more of the following:**

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- 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
- WHS practices

### **Australian Standards include:**

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

### **Process includes, but is not limited to, one or more of the following:**

- chemical precipitation
- activated sludge
- biodegradable reduction
- solids handling

### **Data includes, but is not limited to, one or more of the following:**

- plant performance data
- chemical usage

### **Tests include, but are not limited to, one or more of the following:**

- settling tests
- pH
- dissolved oxygen

**System adjustments include, but are not limited to, one or more of the following:**

- pH correction
- dissolved oxygen levels

**Equipment includes, but is not limited to, one or more of the following:**

- electronic monitoring and metering systems
- manual chart recording systems
- laboratory testing and sampling equipment
- computerised equipment

## Unit Mapping Information

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## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>