



Australian Government

Department of Education, Employment and Workplace Relations

LMTGN3007B Monitor and operate trade waste

Revision Number: 1

LMTGN3007B Monitor and operate trade waste

Modification History

Not applicable.

Unit Descriptor

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

Application of the Unit

This unit applies to monitoring, operating, measuring and reporting on trade waste system performance and process quality control. Work may be conducted in restricted spaces or exposed conditions or controlled or open environments.

Inspection of areas may require:

- interaction and communication with other employees and other authorities
- identification of corrosion damage
- implementation of reporting procedures, which may also include procedures for implementation of organisational and statutory 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 unit is applied according to OHS and workplace practices of the enterprise, 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 initiative, enterprise and problem solving in order to monitor waste operations and maintain conditions of optimal performance. This unit also requires and ability to interpret and apply technical information.

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

ELEMENTS	PERFORMANCE CRITERIA
1 Monitor treatment plant performance	1.1 Routine plant inspections are assessed in accordance with organisational and plant requirements 1.2 Process samples are collected and tests conducted 1.3 Process data is collected and reported according to organisational and plant requirements
2 Control chemical use	2.1 Chemicals are used, handled, stored in accordance with organisational and statutory requirements 2.2 Chemical dosing is prepared in accordance with plant processes and organisational and statutory requirements 2.3 Information related to chemical supply and usage is maintained in accordance with statutory requirements
3 Operate and control processes	3.1 Processes are monitored to maintain parameters of operation 3.2 Process faults and operational conditions of plant are identified and reported in accordance with organisational and statutory requirements 3.3 Basic system adjustments are assessed to enhance system performance in accordance with organisational and statutory requirements
4 Compile process records	4.1 Reports are compiled from plant and system data to meet organisational and statutory requirements

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Demonstrates knowledge of:

- industry process and equipment
- system hydraulics and layout, control systems
- chemical dosing processes
- hazardous material handling procedures
- safety and environmental aspects of relevant testing processes
- workplace procedures and reporting processes
- OHS practices, including hazard identification and control measures
- quality practices
- recording and reporting practices

Demonstrates skills to:

- solve operational problems
- prepare and apply chemical and biological dosing
- sample and test products
- maintain accurate records of test results/work records
- communicate effectively within the workplace
- interpret and apply established procedures
- document, assess and transfer information
- read, interpret and follow information on work specifications, standard operating procedures and work instructions and other reference material
- maintain accurate records
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out 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

Demonstrates skills and knowledge to:

- select and apply sampling and testing procedures
- collect data from recording systems
- operate and control chemical dosing
- use equipment such as listed in the range of variables
- apply relevant enterprise and legislative requirements

Consistency in performance

Consistently applies skills and knowledge when:

- 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

Access is required to real or appropriately simulated situations, including

work areas, materials and equipment, and to information on workplace

practices and OHS practices.

Context for assessment

Assessment may occur on the job or in an appropriately simulated environment.

Interdependent Assessment

This unit may be assessed independently or in combination with other relevant units.

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.
Process may include:	• chemical precipitation, activated sludge, BOD reduction and solids handling
Data may include:	• plant performance data and chemical usage
Tests may include:	• settling tests, pH, dissolved oxygen
System adjustments may include:	• pH correction and dissolved oxygen levels
Equipment may include:	• electronic monitoring and metering systems • manual chart recording systems • laboratory testing and sampling equipment • computerised equipment
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	All
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