



Australian Government

Department of Education, Employment and Workplace Relations

SUGTOTS2A Operate a tipping station

Revision Number: 1

SUGTOTS2A Operate a tipping station

Modification History

Not applicable.

Unit Descriptor

Unit descriptor

This is a Specialist unit. It covers the skills and knowledge required to unload cane bins into a sugar mill feeding station.

Application of the Unit

Not applicable.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

Element	Performance criteria
1. Prepare the tipping station for operation	1.1 Pre-operational checks are conducted 1.2 Health and safety hazards / maintenance requirements are identified and reported to appropriate personnel according to workplace reporting procedures
2. Start and monitor tipping	2.1 Bin contents are visually inspected and obvious signs of contamination are reported as required according to workplace reporting procedure 2.2 Cane is tipped according to workplace procedure to maintain supply of cane to the mill 2.3 Plant is operated within limits of manufacturer's specifications to meet workplace requirements 2.4 Equipment is monitored to confirm operating condition 2.5 The workplace meets housekeeping standards
3. Analyse and respond to abnormal performance	3.1 Plant operating conditions are monitored to identify causes of abnormal performance 3.2 Corrective action is taken in accordance with workplace in response to Hazards and abnormal plant performance 3.3 Emergency procedures are implemented as required according to workplace procedures and manufacturer's recommendations
4. Prepare for shift changeover	4.1 Workplace information is recorded according to workplace recording requirements 4.2 Shift changeover is carried out according to workplace procedure 4.3 Incoming yard control operators are aware of yard and related equipment status
5. Shutdown the tipping station	5.1 The tipping station is shut down according to workplace procedures and manufacturer's recommendations 5.2 Waste is collected, treated and disposed or recycled according to company procedures 5.3 Maintenance requirements are identified and reported according to workplace reporting procedure

Required Skills and Knowledge

Not applicable.

Evidence Guide

Evidence guide

The assessment process must address all of the following items of evidence.

Ability to:

1. Confirm status of tipping process at start up
2. Select, fit and use personal protective clothing and/or equipment
3. Demonstrate manual and automatic modes of operation as appropriate to workplace equipment
4. Monitor tipping process to maintain a full carrier. This typically includes monitoring:
 - rate of tipping to maintain full carrier
 - bin and equipment condition
5. Identify faulty bins and/or equipment and arrange transfer for repair
6. Take corrective action in response to abnormal or unacceptable performance
7. Use appropriate communication methods and equipment. This includes 2-way radios
8. Complete tipping operation records and hand over tipping process
9. Maintain work area to meet housekeeping standards. This includes clearing cane spillages

May include the ability to:

10. Control yard movements
11. Conduct weighbridge operations

Knowledge of:

12. Relevant state OHS legislation, standards and industry codes of practice relating to work responsibilities
13. Safe work procedures including awareness of health and safety hazards related to tipping operation and associated control measures. Typical hazards include working with moving machinery - pinch points.
14. Functions and basic operating principles of tipping process and related control system and equipment components
15. The relationship between the tipping process and mill operation
16. Consequences of tipping contaminated cane
17. Typical faults in cane bins which affect haulage and tipping operations
18. Acceptable bin and rake condition and procedure for tagging and reporting bins requiring repair
19. Procedures for responding to emergency situations
20. Requirements to liaise/advise related work areas
21. Housekeeping standards for the work area
22. Reporting and recording systems

May include knowledge of:

23. Yard control
24. Weighbridge operations

Relationship with other standards

Pre-requisite units

There are no pre-requisite units for this competency standard.

Co-assessment of related units

Where the tipping operator conducts weighbridge operations and/or yard control, the following related units are to be co-assessed with this unit.

- Conduct rail weighbridge operations
- Control yard movements

Other units of competency relevant to the work role should be assessed in conjunction with this unit.

Resources required for assessment

Assessment must occur in a real or simulated workplace where the assessee has access to:

- Tipping process, milling train and related equipment
- Relevant codes of practice and industry standards
- Operating procedures and related advice on equipment operation
- Loaded cane bins
- Personal protective clothing and equipment
- Communication systems and equipment
- Housekeeping standards and procedures
- Workplace information recording systems, requirements and procedures

Assessment requirements

For information on how to assess this competency standard and who can assess, refer to the Assessment Guidelines for this Training Package.

Range Statement

Range statement

The range statement indicates the context for demonstrating competence. This statement is a guide and unless otherwise indicated, items may or may not apply as required by the work context.

- Work is carried out in accordance with company policies and procedures, licensing requirements, legislative requirements, codes of practice and industrial awards and agreements. Codes of practice include the Sugar Milling Operations Industry Code of Practice and sugar industry codes of practice related to cane railway and transport operations
- Workplace information can include Standard Operating procedures (SOPs) and manufacturer's specifications
- Confirming equipment status involves conducting relevant pre-start checks, confirming that cleaning standards are met, all safety guards are in place and equipment is operational
- Equipment may include 2-way communication system, process control interface and related control system, tipping unit or tippler, pushers, points and indexers
- Work may require the ability to work within a team environment
- Information systems may be print or screen based
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Unit Sector(s)

Not applicable.