



Australian Government

AHCCOM304 Operate compost processing plant, machinery and equipment

Release: 1

AHCCOM304 Operate compost processing plant, machinery and equipment

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Application

This unit of competency describes the skills and knowledge required to operate compost processing plant, machinery and equipment to prepare raw materials to produce compost products.

The unit applies to individuals who work under broad direction and take responsibility for their own work, including limited responsibility for the work of others. They use discretion and judgement in the selection and use of available resources, and complete routine activities.

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

Pre-requisite Unit

Nil

Unit Sector

Composting (COM)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Organise plant, machinery and equipment operations	1.1 Review job sheet or work order to identify operating requirements 1.2 Organise equipment, materials and work team requirements 1.3 Select and use personal protective equipment (PPE)
2. Prepare plant, machinery and	2.1 Check service log to ensure service requirements have been

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
equipment for use	maintained 2.2 Check communication equipment, safety devices, lighting and alarm systems for correct operation 2.3 Carry out routine pre-operational checks 2.4 Check and calibrate operational systems 2.5 Identify and safety tag faulty plant, machinery or equipment 2.6 Identify hazards, assess risks and implement controls according to workplace health and safety procedures
3. Start and operate plant, machinery and equipment	3.1 Check operational area and inform work team of start of operation 3.2 Operate plant, machinery and equipment in a safe and controlled manner 3.3 Monitor input materials and identify non-conformances 3.4 Monitor processing outputs and adjust plant operation to meet job specifications 3.5 Identify, rectify and report out-of-specification product or process outcomes according to workplace procedures
4. Shut down, clean and store plant, machinery and equipment	4.1 Undertake shut down procedures for plant, machinery and equipment 4.2 Remove debris and contaminants from plant, machinery and equipment to ensure safe and efficient operation 4.3 Clean, secure and store plant, machinery and equipment 4.4 Tag or lock unsafe plant, machinery or equipment
5. Maintain records	5.1 Maintain plant, machinery and equipment operational records 5.2 Record and report faulty and unsafe plant, machinery or equipment

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
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Skill	Description
Numeracy	Perform basic mathematical calculations to check, calibrate and adjust equipment for operational use

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCCOM304 Operate compost processing plant, machinery and equipment	AHCCOM301 Operate compost processing plant, machinery and equipment	Minor changes to Application and Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions for clarity Foundation Skills added.	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCCOM304 Operate compost processing plant, machinery and equipment

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has, on at least one occasion, operated processing plant, machinery and equipment for the production of compost and has:

- determined operating methods
- implemented work and equipment maintenance plans
- monitored input materials and reported non-conformances
- monitored outputs and reported out-of-specification product
- performed shutdown procedures and maintained records.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and practices for operating compost processing plant, including:
 - product types and characteristics
 - raw material types and characteristics
- enterprise guidelines associated with operation of plant, machinery and equipment, including:
 - environmental licenses and impacts, and procedures for identification of contaminants
 - legislation, regulations and codes of practice with regard to operator licensing, roads and traffic requirements
 - lock-out and tag-out procedures for plant, machinery and equipment
 - manufacturer specifications for servicing of plant, machinery and equipment
 - operating principles and operating methods for plant, machinery and equipment
 - potential risks and hazards associated with operation of plant, machinery and equipment
 - principles of weight distribution with regard to load-shifting and machinery movement

- procedures for cleaning, securing and storing machinery, equipment and materials
- workplace health and safety legislation, codes of practice and specific hazards, including:
 - hazardous substances and fuel
 - exposure to organic micro particles
 - worksite safety and personal protective equipment (PPE).

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated on a farm or a commercial composting site or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools, machinery and equipment for processing raw materials and compost
 - personal protective equipment
- specifications:
 - workplace policies, procedures, processes
 - manufacturer operating instructions for equipment and machinery
 - safety data sheets
 - workplace instructions and specifications
 - specific legislation and codes of practice
- relationships:
 - work team.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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