

AHCCOM301 Operate compost processing plant, machinery and equipment

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version X
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0

AHCCOM301	Operate compost processing plant, machinery and equipment
Application	<p>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.</p> <p>It applies to individuals who take responsibility for own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Composting (COM)

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, use, maintain and store personal protective equipment (PPE)
2. Prepare plant, machinery and equipment for use	2.1 Check service log to ensure service requirements have been 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 plant, machinery and equipment	4.1 Shut down 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

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Foundation Skills	
<i>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.</i>	
Skill	Description
Numeracy	<ul style="list-style-type: none"> Perform basic mathematical calculations to check, calibrate and adjust equipment for operational use

Commented [RB1]: TBD on confirmation of PCs

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCCOM301 Operate compost processing plant, machinery and equipment Release 2	AHCCOM301 Operate compost processing plant, machinery and equipment Release 1	Minor changes to Application and Performance Criteria for clarity	Equivalent
Links		Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72	

TITLE	Assessment requirements for AHCCOM301 Operate compost processing plant, machinery and equipment
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>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:</p> <ul style="list-style-type: none"> • determined operating methods • implemented work and equipment maintenance plans • monitored input materials and reported non-conformances • selected and used a range of compost processing plant, machinery and equipment • monitored outputs and reported out-of-specification product • performed shutdown procedures and maintained records. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • principles and practices for operating compost processing plant, including: <ul style="list-style-type: none"> • product types and characteristics • raw material types and characteristics • enterprise guidelines associated with operation of plant, machinery and equipment, including: <ul style="list-style-type: none"> • environmental licenses, impacts and procedures 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: <ul style="list-style-type: none"> • hazardous substances and fuel • exposure to organic micro particles • worksite safety and personal protective equipment (PPE). 	
Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated on a farm or a commercial composting site or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • use of tools, machinery and equipment for processing raw materials and compost • use of personal protective equipment • specifications: <ul style="list-style-type: none"> • use of workplace policies, procedures, processes • use of manufacturer operating instructions for equipment and machinery • access to safety data sheets • use of workplace instructions and specifications • access to specific legislation and codes of practice • relationships: <ul style="list-style-type: none"> • work team <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet:

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