



Australian Government

AHCCOM301 Operate compost processing plant, machinery and equipment

Release: 1

AHCCOM301 Operate compost processing plant, machinery and equipment

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

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.

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.

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

Pre-requisite Unit

Nil.

Unit Sector

Composting (COM)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
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 personnel requirements 1.3 Select, use, maintain and store personal protective equipment (PPE)
2. Prepare plant, machinery and	2.1 Check service log to ensure service requirements have been maintained

Element	Performance criteria
equipment for use	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 for correct operation 2.5 Identify and safety tag faulty plant, machinery or equipment safety 2.6 Identify and risk assess hazards associated with plant, machinery and equipment operation
3. Start and operate plant, machinery and equipment	3.1 Check operational area and inform personnel 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 to maintain the process within specification
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 maintenance, damage, malfunctions or irregular performance, and unsafe plant, machinery or equipment

Foundation Skills

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

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCCOM301A Operate compost processing plant, machinery and equipment.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCCOM301 Operate compost processing plant, machinery and equipment

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- determine appropriate operating methods
- implement work and equipment maintenance plans
- monitor input materials and report non-conformances
- monitor outputs and report out-of-specification product
- perform shutdown procedures and maintain records
- select and use a range of compost processing plant, machinery and equipment

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices for operating compost processing plant
- enterprise guidelines associated with operation of plant, machinery and equipment
- environmental licenses, impacts and procedures identification of contaminants
- legislation, regulations and codes of practice with regard to operator licensing, roads and traffic requirements
- legislation, regulations and codes of practice with regard to workplace health and safety and the use and control of hazardous substances, such as fuel and recipe inputs
- 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
- product types and characteristics
- raw material types and characteristics

- workplace health and safety legislation, codes of practice and specific hazards such as hazardous substances and exposure to organic micro particles

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

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