

Unit of Competency CPCPSN3026

Install sewerage pumpsets

Application

The unit specifies the skills and knowledge required to install sewerage pumps including installing and testing small bore macerators.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Prerequisite Unit

CPCPCM2043 Carry out WHS requirements

Elements and Performance Criteria

1. Identify requirements.	1.1	Access, read and determine sewerage pumpset installation requirements from job specifications, relevant Australian Standards, codes, manufacturers' instructions and jurisdictional requirements
	1.2	Identify and follow workplace, work health and safety (WHS) and environmental requirements.
2. Prepare for work.	2.1	Create a materials list and collect materials.
	2.2	Select appropriate tools and equipment including personal protective equipment (PPE).
3. Install sewerage pump equipment.	3.1	Set out pump according to plans, specifications, site requirements or job instructions, with consideration given to the location of existing services.
	3.2	Install pumping equipment in specified locations using required fixings.
	3.3	Connect pipework and pump controls according to plans, manufacturers' instructions and Australian Standards.
	3.4	Operate and test installed sewerage pump equipment and related pipework according to relevant Australian Standards and manufacturers' instructions.
	3.5	Complete documentation according to workplace requirements.
4. Clean up.	4.1	Clear the work area and dispose of, reuse or recycle materials in accordance with state or territory legislation and workplace requirements.
	4.2	Clean tools and equipment, check for serviceability and report any damage, and store and secure.

Foundation skills

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

Unit Mapping Information

Supersedes and is equivalent to CPCPSN3026A Install sewerage pumpsets.

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCPSN3026 Install sewerage pumpsets

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by:

- installing a small-bore macerator including rising main to an approved point of discharge
- using a submersible sewerage pump and correctly installing pump on an approved base
- ensuring correct operation of pump, float valves and alarm functions.

Knowledge Evidence

To be competent in this unit, a person must demonstrate knowledge of:

- methods of fixing techniques
- levelling and alignment processes
- performance measures for various sewerage pumpsets:
 - small bore macerators
 - submersible pumps
- properties of sewerage
- tools and equipment used to install sewerage pumpsets including lifting and load-shifting equipment
- how to access relevant information, including codes and standards
- tools, materials and equipment used to install sewerage pumpsets
- work health and safety (WHS) requirements for installing sewerage pumpsets.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

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