



Australian Government

Department of Education, Employment and Workplace Relations

CPPCLO3020A Clean using pressure washing

Release: 1

CPPCLO3020A Clean using pressure washing

Modification History

Revised unit

Unit updated and equivalent to PRMCL20B Clean using pressure washing

Unit Descriptor

This unit of competency specifies the outcomes required to use pressure washing to clean surfaces. Pressure washing produces a variable stream of either water or cleaning chemical and is used as a replacement for hand scrubbing in large areas or where surfaces are very soiled.

Some surfaces, such as cracked, painted or other sealed surfaces, may be sensitive to pressure washing.

The unit requires the ability to assess the extent of the cleaning task through knowledge of the characteristics of the surface and the type of surface soiling. It is also necessary to apply understanding of client requirements and company policies and procedures in order to perform the task. Selecting the appropriate equipment, chemicals and cleaning methods is essential to performing the task safely and efficiently.

In this unit work is conducted from ground level. CPPCLO3036A Clean at high levels describes work conducted over two metres above ground level.

Application of the Unit

This unit of competency supports employees without managerial or supervisory responsibilities. The work may be performed in teams or individually. Performance would usually be carried out under routine supervision and within company guidelines.

Licensing/Regulatory Information

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

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

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| 1 | Assess area for suitability for pressure washing. | 1.1 | Area to be pressure washed is assessed, <i>work order</i> is reviewed according to <i>company requirements</i> , and issues are clarified with <i>appropriate persons</i> . |
| | | 1.2 | <i>Hazards</i> and risks in work site are identified and controlled according to company, <i>legislative</i> and <i>occupational health and safety (OHS) requirements</i> . |
| | | 1.3 | Type and condition of <i>surface</i> are identified by observation according to work order and company requirements. |
| | | 1.4 | <i>Soil type</i> is identified by observation according to work order and company requirements. |
| | | 1.5 | Work site access requirements are identified according to work order and company requirements. |
| | | 1.6 | Size and usage pattern of work site are determined to ensure safety of <i>personnel</i> and efficient use of <i>equipment</i> and <i>chemicals</i> . |
| | | 1.7 | Effectiveness and suitability of a pressure wash is assessed according to work order and legislative, OHS, company and <i>environmental requirements</i> . |
| | | 1.8 | <i>Cleaning techniques</i> are selected according to work order, <i>manufacturer specifications</i> and environmental, legislative, OHS and company requirements. |
| | | 1.9 | Pre-existing damage is identified and reported to appropriate persons according to company requirements. |

- 2 Select equipment and chemicals.
 - 2.1 **Personal protective equipment** (PPE) is selected and used according to manufacturer specifications, and OHS and company requirements.
 - 2.2 Equipment and chemicals are selected for work order according to OHS and company requirements.
 - 2.3 Operational effectiveness of equipment is checked according to manufacturer specifications and company requirements.
 - 2.4 Equipment is adjusted to suit operator's requirements according to manufacturer specifications and OHS requirements.
 - 2.5 Chemicals are prepared according to manufacturer specifications, and OHS and company requirements.

- 3 Prepare work site.
 - 3.1 Hazards in work site are confirmed and risks are controlled and reassessed according to legislative, OHS and company requirements.
 - 3.2 **Signage and barriers** are installed as required to maximise public safety during the cleaning operation according to work order, and OHS and company requirements.
 - 3.3 Items requiring protection from pressure spray are covered and secured according to work order and company requirements.
 - 3.4 **Work restrictions** affecting completion of work order are identified and appropriate persons are notified.

- 4 Clean work site.
 - 4.1 Heavily soiled areas are prepared using cleaning techniques according to manufacturer specifications and company requirements.
 - 4.2 Pressure washing is conducted using equipment, PPE and chemicals and according to manufacturer specifications and company requirements.
 - 4.3 Work is performed according to work order, manufacturer specifications and legislative, OHS and company requirements.

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| 5 | Tidy work site. | 5.1 | Collected soil and waste are disposed of according to client specifications, work order, manufacturer specifications and legislative, OHS, company and environmental requirements. |
| | | 5.2 | Signage and barriers are removed according to work order, and OHS and company requirements. |
| 6 | Clean and safety check equipment, and store equipment and chemicals. | 6.1 | Equipment and PPE are cleaned according to manufacturer specifications and environmental, OHS and company requirements. |
| | | 6.2 | Equipment and PPE are safety checked according to manufacturer specifications and OHS requirements and required maintenance is recorded according to company requirements. |
| | | 6.3 | Equipment and PPE are stored and maintained to allow ready access according to manufacturer specifications, and OHS and company requirements. |
| | | 6.4 | Chemicals are stored according to manufacturer specifications, and OHS and company requirements. |

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

- customer service skills to:
 - establish rapport with clients
 - gain clients' trust
 - identify client expectations
- interpersonal skills to relate to people from a range of backgrounds
- language, literacy and numeracy skills to:
 - communicate clearly and concisely verbally and in writing
 - perform mathematical calculations required for diluting and mixing chemicals as specified on product labels
 - read and interpret directions and safety instructions, including:
 - chemical labels
 - equipment manuals
 - material safety data sheets (MSDS)
 - request advice or further information
 - seek and receive feedback
 - source, organise and record information
- planning and organising skills to schedule and roster work
- problem-solving skills to manage contingencies
- skills to work safely when:
 - handling and disposing of chemicals
 - handling and disposing of waste
 - identifying hazards and controlling risks
 - manual handling
 - selecting equipment and chemicals
 - working at heights
- self-management skills to work alone and in a team
- teamwork skills to lead teams

Required knowledge

- company management structure and procedures, including:
 - biological and viral control
 - emergency response and evacuation procedures
 - environmental protection procedures

- injury, dangerous occurrence and incident reporting
- OHS procedures
- quality systems
- legislation, regulations, codes of practice and industry advisory standards that apply to cleaning using pressure washing, including OHS legislation
- routes of entry and potential symptoms of exposure to chemicals
- safe work practices for using:
 - chemicals
 - equipment, including PPE
- pressure washing, including:
 - equipment and its functions
 - pressure washing methods, including:
 - cleaning methods for surfaces where there are restrictions or limitations on pressure washing
 - preparation requirements of areas for pressure washing
 - types of surfaces, their characteristics and suitability for pressure washing

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	This unit of competency could be assessed by observing practical demonstrations of cleaning using pressure washing involving at least two different surfaces and two different work site environments.
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>A person who demonstrates competency in this unit must be able to provide evidence of the required skills and knowledge specified in this unit.</p> <p>In particular the person should demonstrate the ability to:</p> <ul style="list-style-type: none"> • identify hazards associated with pressure washing • identify surface and soil types • use safe and efficient pressure cleaning methods • select cleaning equipment and chemicals • comply with company and legislative requirements • achieve outcomes in relation to customer work order and company requirements.
Context of and specific resources for assessment	<p>Assessment of essential underpinning knowledge may be conducted in an off-site context. It is to comply with relevant regulatory or Australian standards' requirements.</p> <p>Resource implications for assessment include access to:</p> <ul style="list-style-type: none"> • suitable work site or venues with a variety of surface and soil types suitable for pressure washing • suitable equipment and chemicals • PPE • equipment operating manuals and MSDS • work order instructions, work plans and schedules, and policy documents • assessment instruments, including personal planner and assessment record book.
Method of assessment	<p>Assessment methods must:</p> <ul style="list-style-type: none"> • satisfy the endorsed Assessment Guidelines of the Property Services Training Package • include direct observation of tasks in real or simulated work conditions, with questioning to confirm the ability to consistently identify and correctly interpret the essential underpinning knowledge required for practical application • reinforce the integration of employability skills with workplace tasks and job roles

	<ul style="list-style-type: none"> • confirm that competency is verified and able to be transferred to other circumstances and environments.
Guidance information for assessment	<p>Reasonable adjustments for people with disabilities must be made to assessment processes where required. This could include access to modified equipment and other physical resources, and the provision of appropriate assessment support.</p> <p>Assessment processes and techniques should as far as is practical take into account the language, literacy and numeracy capacity of the candidate in relation to the competency being assessed.</p> <p>This unit could be assessed on its own or in combination with other units relevant to the job function, such as:</p> <ul style="list-style-type: none"> • CPPCLO2037A Clean external surfaces • CPPCLO3021A Clean industrial machinery.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

<p><i>Work order</i> information may include:</p>	<ul style="list-style-type: none"> • access to work site, including: <ul style="list-style-type: none"> • access and egress points • timing of access • budget allocations • completion times and dates • human resource requirements to complete the work tasks • job requirements and tasks • legislative and local government requirements • OHS requirements and emergency response procedures • requirements for working in isolated and remote locations • resource requirements, such as equipment and materials • specific client requirements, such as: <ul style="list-style-type: none"> • dress and presentation requirements • relationships with other activities • use of signage and barriers • work schedules • work site contact persons • work site requirements for specific industries, such as: <ul style="list-style-type: none"> • hospitals and medical centres • nursing homes • retail food courts • schools • tourism and hospitality.
<p><i>Company requirements</i> may include:</p>	<ul style="list-style-type: none"> • business and performance plans • client communication procedures • client confidentiality procedures • client service standards • communication channels and reporting procedures • company goals, objectives, plans, systems and processes • company issued identification badges, cards or passes • company policies and procedures, including: <ul style="list-style-type: none"> • access and equity policy, principles and practice • OHS policies and procedures, including control procedures • maintenance procedures for equipment and PPE

	<ul style="list-style-type: none"> • those relating to own role, responsibility and delegation • work site access security clearance procedures • company service standards • dress and presentation requirements • duty of care, code of conduct, and code of ethics • emergency response and evacuation procedures • employer and employee rights and responsibilities • environmental protection procedures • personnel practices and guidelines • quality and continuous improvement processes and standards • records and information systems and processes • training materials (induction, refresher and new skills) • using contractors.
Appropriate persons may include:	<ul style="list-style-type: none"> • clients • colleagues • managers • persons in control of work sites • supervisors.
Hazards may include:	<ul style="list-style-type: none"> • allergic reactions to chemicals or equipment, including latex allergies • biological and animal waste • bites and stings • blood and blood-stained products • confined or restricted spaces • contaminated clothing, materials or equipment • damaged or inappropriate equipment • dust and fibres • electrical hazards arising from: <ul style="list-style-type: none"> • cables • electrical fittings: <ul style="list-style-type: none"> • switches • lights • untested electrical equipment • fatigue • fire • gas • heights • inadequate lighting and ventilation • infectious and zoonotic diseases, such as: <ul style="list-style-type: none"> • Q fever • scabies

	<ul style="list-style-type: none"> • mobile equipment and vehicle hazards around plant and vehicles • moving or unguarded parts • noise • occupational violence and bullying • poor personal hygiene practices • spill, splash and spray • release of substances with negative environmental impact • synergistic chemical reactions, such as: <ul style="list-style-type: none"> • hazardous incompatibility • reactivity • syringes or other sharps • temperature extremes • ultraviolet light • unsafe manual-handling techniques, including awkward and repetitive postures • unsafe underfoot conditions, such as slippery, uneven and rough surfaces • work in unfamiliar isolated or remote environments.
<p><i>Legislative requirements</i> may include:</p>	<ul style="list-style-type: none"> • Australian standards, quality assurance and certification requirements • award and enterprise agreements • industry advisory standards and codes, such as: <ul style="list-style-type: none"> • building codes • dangerous goods codes • relevant commonwealth, state and territory legislation and local government regulations affecting company operation, including: <ul style="list-style-type: none"> • anti-discrimination and diversity policies • chemical controls • chemical registers and manifests • consumer protection • energy conservation • environmental protection • equal employment opportunity • freedom of information • industrial equipment certificates of competency or licences • industrial relations • OHS Acts and regulations • privacy • public health • trade practices • water conservation

<p>Occupational health and safety (also known as workplace health and safety) requirements may relate to:</p>	<ul style="list-style-type: none"> • workplace consultative arrangements. • allergic reactions, such as contact dermatitis • communication devices for remote and isolated locations, such as: <ul style="list-style-type: none"> • mobile phone • two-way radio • dermatotoxicological control and prevention measures • emergency procedures for eye and skin contact, and inhalation and ingestion of toxic substances • hazard identification and risk assessment mechanisms • health surveillance and monitoring, such as regular blood testing • hierarchy of hazard control procedures • maintaining clear access • national and industry standards and codes of practice • OHS control procedures, such as: <ul style="list-style-type: none"> • health and safety plans • job plans • job safety analyses • risk assessments • safe operating practices and procedures • safe system of work statements • safe work instructions • work method statements • reporting injury and dangerous occurrences • routes of entry and potential symptoms of exposure to chemicals • safe work practices for equipment, PPE and chemical storage, including interpretation of: <ul style="list-style-type: none"> • MSDS • hazardous substance information, such as long latency periods • safety training, induction and refresher training • selection and use of PPE and clothing appropriate to the hazard • ultraviolet light • up-to-date electrical test and tag compliance • use of chemicals according to MSDS • use of residual current devices • use, storage and maintenance of equipment according to manufacturer specifications and equipment operating manuals.
<p>Surface may be:</p>	<ul style="list-style-type: none"> • brick • car parking areas • concrete

	<ul style="list-style-type: none"> • concrete driveways • entertainment seating • external walls, gutters and fascia boards • factory floors • fronts of buildings, such as awnings and facades • garages • industrial kitchens • machinery and equipment • painted surfaces • polyresin • surfaces encompassing new technologies • stairwells • steps • wood.
<i>Soil types</i> may include:	<ul style="list-style-type: none"> • algae and moss • graffiti made with ink, texta and paint • grease and oil • pollution marks and soil on structures, including: <ul style="list-style-type: none"> • bridges • buildings • outdoor furniture • statues.
<i>Personnel</i> may include:	<ul style="list-style-type: none"> • client's staff members • colleagues • general public • venue, facility, shopping centre staff and management.
<i>Equipment</i> may include:	<ul style="list-style-type: none"> • brooms • cloths • hoses • lances • microfibre products • pressure washers (electric or diesel) • squeegees • wet area electrical safety connections.
<i>Chemicals</i> may include:	<ul style="list-style-type: none"> • acid cleaners • alkaline cleaners • low environmental-impact chemicals • neutral cleaners • solvent cleaners.
<i>Environmental requirements</i> may	<ul style="list-style-type: none"> • clean-up, containment and isolation • company policies and guidelines

include:	<ul style="list-style-type: none"> • emergency chemical spill control measures • environmental protection agency and requirements of government departments, such as: <ul style="list-style-type: none"> • agriculture • emergency services • hazardous materials handling • local government regulations and by-laws • low-energy cleaning methods • low environmental-impact chemicals • low-moisture cleaning methods • low water-use equipment and water-efficient cleaning methods • non-chemical cleaning methods.
<i>Cleaning techniques</i> may include:	<ul style="list-style-type: none"> • low-water cleaning methods • detailing • hand washing • pre-spraying • pressure water blasting • rinsing.
<i>Manufacturer specifications</i> may include:	<ul style="list-style-type: none"> • equipment operating manuals • instructional guides • MSDS • other resources supplied by the manufacturer, such as: <ul style="list-style-type: none"> • laminated cards • notices • wall posters • product labels • safety instructions pre-printed on equipment.
<i>Personal protective equipment</i> may include:	<ul style="list-style-type: none"> • ear muffs and plugs • gloves, such as non-permeable • goggles • high-visibility vests and clothing • overalls and other protective clothing • respirators • safety glasses • safety shoes • splash-proof face masks • sun protection • tongs • ultraviolet protection • wet-work clothing.
<i>Signage and barriers</i> may	<ul style="list-style-type: none"> • physical barriers and restraints erected to restrict access to a site

include:	<ul style="list-style-type: none"> • signs complying with legislative requirements and Australian standards warning of danger or adverse conditions, including: <ul style="list-style-type: none"> • cleaning in progress • hazardous chemicals in use or present in work area.
Work restrictions may include:	<ul style="list-style-type: none"> • amount of cleaning anticipated • client activity • employee level of literacy and communication skills • faulty or inappropriate equipment • site accessibility • site hazards • skills of work unit or team • staffing resources • time limitations.
Waste may be either solid or liquid and include:	<ul style="list-style-type: none"> • chemicals past expiry date • obsolete equipment • packaging • removed soil • used cleaning cloths • used containers • used or unused chemicals • used or contaminated PPE • used or unused chemicals.

Unit Sector(s)

Cleaning operations

Custom Content Section

Not applicable.