

COSVR84 - SQA Unit Code H1RX 04

Set up and prepare water jetting equipment



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 4 preparing water jetting equipment for operation

COSVR84 - SQA Unit Code H1RX 04

Set up and prepare water jetting equipment

Performance criteria

- You must be able to:*
- P1 interpret the given information relating to the work and resources to confirm its relevance
 - P2 comply with the relevant, current legislation, special legal status documents, official guidance and organisational procedures to maintain safe work practices
 - P3 request resources to sustain equipment operations to complete the programme of work
 - P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P5 carry out pre-use preparation inspections on equipment in accordance with given procedures
 - P6 start-up and operate equipment in accordance with safe working practices to achieve the work outcome

COSVR84 - SQA Unit Code H1RX 04

Set up and prepare water jetting equipment

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the operating **information** and legislation appropriate to the equipment
- K2 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K3 the types of **information**, their source and how they are interpreted
- K4 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K5 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K6 how **emergencies** should be responded to and who should respond
- K7 the organisational **security procedures** for tools, equipment and personal belongings
- K8 what the accident reporting procedures are and who is responsible for making the report
- K9 why and when **personal protective equipment (PPE)** should be used

Performance Criteria 3

Request resources

You need to know and understand:

- K10 the organisational procedures for requisitioning consumables and other **resources**, why they have been developed and how they are used
- K11 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K12 how to **protect work** from damage and the purpose of protection
- K13 why **disposal of waste** should be carried out safely and how it is achieved

COSVR84 - SQA Unit Code H1RX 04

Set up and prepare water jetting equipment

You need to know and understand:

Performance Criteria 5
Pre-use preparation

K14 the **methods of work** for pre-use checks needed before operating the equipment

K15 the **method of work** preparation required before using the equipment

You need to know and understand:

Performance Criteria 6
Allocated time

K16 how **methods of work** are carried out and **problems** reported

COSVR84 - SQA Unit Code H1RX 04

Set up and prepare water jetting equipment

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of risk assessments, method statements, legislation, Codes of Practice, operating instructions and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 Avoidance of risk by following the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use and security of equipment

Performance Criteria 3

- 3 request resources to sustain equipment associated with own work
 - 3.1 ancillary support items/materials
 - 3.2 attachments

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with legislation

Performance Criteria 5

- 7 demonstration of work skills to fit, position, secure, connect and adjust
- 8 use and maintain hand tools
- 9 carry out pre-start checks and prepare water jetting equipment to given working instructions relating to
 - 9.1 siting of equipment
 - 9.2 connecting hoses and lances/guns
 - 9.3 power supply
 - 9.4 water supply

Performance Criteria 6

- 10 demonstration of work skills to start, stop, control and dismantle
- 11 operate and monitor water jetting equipment to given working instructions, relating to
 - 11.1 test runs
 - 11.2 close down
 - 11.3 clean down
- 12 return equipment to a safe operational condition on completion of work

COSVR84 - SQA Unit Code H1RX 04

Set up and prepare water jetting equipment

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries
 - 2.2 emergencies relating to occupational activities

Hazards

- 3 those identified by risk assessment, method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 4 method statements, risk assessments, legislation, Codes of Practice, manufacturers' information and operating instructions

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Methods of work

- 6 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
 - 6.1 carry out pre-checks, set up and shut down equipment
 - 6.2 operate equipment
 - 6.3 monitor and assess performance of pump unit, lances, guns, hoses and control valves
 - 6.4 dismantle equipment
 6. use hand tools
- 7 team work and communication
- 8 needs of other occupations associated with water jetting operations

Personal protective equipment (PPE)

- 9 occupational use, types, purpose of each type and work situations

Problems

- 10 those arising from information, resources and methods of work
 - 10.1 own authority to rectify
 - 10.2 organisational reporting procedures

Protect work

- 11 protect work against damage from general workplace activities, other occupations and adverse weather conditions

COSVR84 - SQA Unit Code H1RX 04

Set up and prepare water jetting equipment

Resources

- 12 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 12.1 water, abrasives, chemicals
 - 12.2 fuel, lubricants, coolants
 - 12.3 pump units, hoses, lances, guns, nozzles, control valves and ancillary items

Security procedures

- 13 site, workplace, company and operative

COSVR84 - SQA Unit Code H1RX 04

Set up and prepare water jetting equipment

Developed by ConstructionSkills

Version number 2

Date approved January 2010

Indicative review date February 2014

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR84

Relevant occupations Industrial Cleaning Process Occupations

Suite Associated Industrial Services (Construction)

Key words Hoses; Lances; Pump-unit; Control-valves