



## Learner Assessment Guide Unit Standard 3310 Check Hydrants and water supplies (Level 2, Credit 3, Version 3)

### Level Descriptor

Level	Process	Employing	Responsibility
2	<b>Carrying out processes that:</b> <ul style="list-style-type: none"> <li>• Are moderate in range</li> <li>• Are established and familiar</li> <li>• Offer a clear choice of routine responses</li> </ul>	<b>Employing:</b> <ul style="list-style-type: none"> <li>• Basic operational knowledge</li> <li>• Readily available information</li> <li>• Known solutions to familiar problems</li> <li>• Little generation of new ideas</li> </ul>	<b>Applied:</b> <ul style="list-style-type: none"> <li>• In directed activity</li> <li>• Under general supervision and quality control</li> <li>• With some responsibility for the quantity and quality</li> <li>• With possible responsibility for guiding others</li> </ul>

**Descriptors:**

Level 2 - requires a learner to carry out processes that, are moderate in range, are established and familiar, offer a clear choice of routine responses.

Credit 3 - will require approximately 30 - 36 hours of learning, practice or experience and assessment for a person with no previous knowledge or experience.

Version 3 - This document has been prepared based on version 3 of the Unit Standard.

**Elements:**

1. Demonstrate knowledge of requirements relating to the checking of hydrants and water supplies.
2. Locate hydrants and carry out inspections.
3. Carry out flow tests and complete reports.

**Prerequisites:**

None.

**Assessment Conditions:**

Assessment against this unit standard must be by practical on-site demonstration of the equipment involved.

**Resources:**

1. Reticulation maps & Code of Practice
2. Standpipes, keys and bars
3. Flow gauge and associated equipment
4. Test record and fault report forms
5. Hydrant

**Special Notes:**

Compliance with the providers Health and Safety policy and procedures in mandatory.

### **Assessment Brief Instructions:**

The assessor may use pre-course, on course, post course or workplace written or oral assessments as evidence towards gaining the knowledge based components of this unit. The assessor will evaluate the relevance of the evidence against the unit standard. The lists below provide an outline of the assessment components a learner should expect to encounter in achieving this unit.

**This Learner Assessment Guide is simply a guide and does not determine the sufficiency or validity of evidence the assessor must evaluate using assessment best practice criteria.**

**LEARNERS SHOULD ALWAYS REVIEW THE REQUIREMENTS CONTAINED IN THE UNIT STANDARD DOCUMENT PRIOR TO REQUESTING ASSESSMENT.**

Learners may need the support of an Officer or supervisor/manager to provide a suitable level of authority to set up and monitor a trial evacuation, and to endorse any formal reporting requirements.

### **Assessing Element 1: Demonstrate knowledge of requirements relating to the checking of hydrants and water supplies**

Learner will demonstrate knowledge of checking of hydrants and water supplies by:

Explaining requirements of the Fire Service Act 1975 (Section S29, 30(2), 38, 39.) relating to inspection of hydrants and water supplies.

Explaining requirements of the:

- NZFS Code of Practice for Fire Fighting Water Supplies (Section 7, Appendix D) and
- NZ Fire Service SOPs.

Describing the techniques and equipment required to:

- conduct flow tests and
- comprehensive flow tests

Normally assessed using written or oral questions.

### **Assessing Element 2: Locate hydrants and carry out inspections**

Learner will locate hydrants and carry out inspections by:

- Using maps to identify location of hydrants to be tested and then
- Locating them on the street

Identifying types of hydrants (may include indexed or key, private, screw-down, pillar, and ball).

Conducting assessments of physical condition of hydrants and surrounds and identifying any faults that require further action.

### **Assessing Element 3: Carry out flow tests and complete reports**

Learner will act as part of a crew to carry out flow tests and complete reporting by:

Conducting flow and pressure tests by operating hydrants and reading meters/gauges.

Calculating total reticulated water supplies using:

- quantified terms
- conversion tables

Completing recording of mains capacity and flow on organisation's forms.

Recording faults on organisation's forms.

Reporting results and faults as required by organisation's SOPs. In terms of:

- mains capacity
- mains flow
- appropriate notifications