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| <b>Unit title</b>         | Provide and Maintain Emergency Water Supplies |
| <b>SQA code</b>           | HC42 04                                       |
| <b>SCQF level</b>         | 6   |
| <b>SCQF credit points</b> | 4   |
| <b>SSC ref</b>            | DC09  |

## History of changes

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| Title             | Provide and Maintain Emergency Water Supplies |  |
|-------------------|---|--|
| Learning Outcomes |   | Assessment Criteria  |
| The learner will: |   | The learner can:   |
| 1                 | Prepare and deploy emergency water supplies.  | <p>1.1 Determine the need to provide an emergency supply in accordance with the identified situation and organisational requirements.</p> <p>1.2 Ensure that any tanker or bowser to be used to contain the water is suitable for the purpose and has undergone required disinfection and sampling tests.</p> <p>1.3 Determine the quantity of water to be supplied.</p> <p>1.4 Choose a <b>method of supply</b> that is appropriate for the location and volume of the usual supply.</p> <p>1.5 Prepare the <b>equipment</b> for the emergency supply in accordance with organisational requirements.</p> <p>1.6 Provide the emergency supply within specified timescales.</p> <p>1.7 Advise relevant personnel and all affected parties of supply arrangements in accordance with organisational requirements.</p> <p>1.8 Position the emergency supply in accordance with organisational requirements.</p> <p>1.9 Confirm that information on availability and position of supplies is provided to customers in line with organisational requirements.</p> <p>1.10 Record relevant information in accordance with organisational requirements.</p> <p>1.11 Follow safe working and hygiene practices to prepare and deploy emergency supplies, in line with relevant procedures, regulatory and statutory requirements.</p> |

| Learning Outcomes  | Assessment Criteria   |
|--|---|
| The learner will:  | The learner can:  |
| <p>2 Maintain emergency water supplies.</p>  | <p>2.1 Monitor water usage and water quality at appropriate times in the required manner.</p> <p>2.2 Maintain required visual and operational condition of the <b>equipment</b>.</p> <p>2.3 Take the <b>relevant action</b> where <b>problems</b> are identified with maintaining emergency supplies.</p> <p>2.4 Promptly provide updated information about the supply situation to relevant personnel.</p> <p>2.5 Maintain the required condition and position of signs, lights and guards in accordance with relevant codes of practice.</p> <p>2.6 Confirm <b>equipment</b> is maintained and stored as required after use.</p> <p>2.7 Record relevant information in accordance with organisational requirements.</p> <p>2.8 Follow safe working and hygiene practices for maintaining emergency supplies, in line with relevant procedures, regulatory and statutory requirements.</p> |
| <p>3 Know and understand how to provide and maintain emergency water supplies.</p> | <p>3.1 Explain the importance of providing emergency supplies, in conjunction with the contingency plan.</p> <p>3.2 Outline the organisational requirements for providing emergency supplies.</p> <p>3.3 State the factors to consider when deciding how much water to supply.</p> <p>3.4 Describe different <b>methods of supply</b> and their appropriateness for different situations.</p>   |

| Learning Outcomes               | Assessment Criteria   |
|---------------------------------|---|
| <p><b>The learner will:</b></p> | <p><b>The learner can:</b></p> <p>3.5 Outline <b>equipment</b> preparation procedures.</p> <p>3.6 Explain the implications of failure to provide the supply within specified timescales.</p> <p>3.7 Describe the reporting process for providing and maintaining emergency supplies, including:</p> <ul style="list-style-type: none"> <li>(a) those who require information about the supply arrangements</li> <li>(b) those who require updates on the supply situation</li> <li>(c) procedures for providing information and updates.</li> </ul> <p>3.8 Describe the requirements for positioning the supply and the dangers associated with positioning it incorrectly on the highway, including signing, lighting and guarding requirements.</p> <p>3.9 Outline the recording requirements for providing and maintaining emergency water supplies.</p> <p>3.10 Outline the safety and hygiene practices and related regulatory and statutory requirements for providing and maintaining emergency water supplies.</p> <p>3.11 Describe the potential hygiene <b>problems</b> associated with temporary supplies.</p> <p>3.12 Describe the importance of monitoring water usage and quality and the monitoring methods used.</p> <p>3.13 Outline typical and unusual <b>problems</b> with providing and maintaining emergency water supplies and the limits of their responsibility for resolving them.</p> |

| <b>Learning Outcomes</b> | <b>Assessment Criteria</b>  |
|--------------------------|---|
| <b>The learner will:</b> | <b>The learner can:</b>   |
|                          | <p>3.14 Describe <b>equipment</b> maintenance and storage requirements for providing and maintaining emergency water supplies.</p> <p>3.15 Outline the safety and hygiene practices and related regulatory and statutory requirements for providing and maintaining emergency water supplies.</p> |

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| <b>Additional information about the Unit</b>   |
| <b>Unit purpose and aim(s)</b>   |
| <p>This Unit allows learners working on the water distribution network and to demonstrate their competence in providing emergency communal water supplies and individual water containers.</p> <p>Learners must decide how much water is required, and select the most appropriate supply method. They must prepare the necessary equipment, ensure the emergency supply is provided within identified timescales and inform people of the emergency water supply arrangements.</p> <p>Learners must monitor usage of the emergency supply and ensure that water samples are taken monitor its quality. Records must be maintained and updated information provided regarding the supply situation and locations. Safe working practices (including signing, lighting and guarding of the emergency supply) and hygiene practices must be followed at all times.</p> |
| <b>Details of the relationship between the Unit and relevant national occupational standards (if appropriate)</b>  |
| EUSDC09 — Provide and maintain emergency water supplies  |
| <b>Details of the relationship between the Unit and other standards or curricula (if appropriate)</b>  |
| N/A  |
| <b>Assessment requirements specified by a sector or regulatory body (if appropriate)</b>   |
| <p>Some terms, used in the Assessment Criteria, cover a range of situations, as follows:</p> <ol style="list-style-type: none"> <li>1 <b>Methods of supply</b> include: <ul style="list-style-type: none"> <li>(a) individual containers</li> <li>(b) communal supplies</li> <li>(c) riders laid while existing mains are being rehabilitated.</li> </ul> </li> <li>2 <b>Equipment preparation</b> and maintenance includes: <ul style="list-style-type: none"> <li>(a) cleaning</li> <li>(b) disinfection</li> <li>(c) labelling</li> <li>(d) Sampling.</li> </ul> </li> <li>3 <b>Problems</b> include: <ul style="list-style-type: none"> <li>(a) customer problems</li> <li>(b) emergency supply problems.</li> <li>(c) vandalism.</li> </ul> </li> </ol>   |

**Assessment requirements specified by a sector or regulatory body (if appropriate)  
(cont)**

- 4 **Relevant action** taken to resolve problems includes:
- (a) rectification of problems within the learner's responsibility
  - (b) reporting of problems outside the learner's responsibility.

Assessor observation in a realistic working environment (RWE), agreed in advance with the EV, may contribute to the Unit evidence. The site used must replicate the type of environment to which the learner would expect to provide emergency water supplies.

The activity observed must include the use of a communal emergency water supply of the type that the learner would typically use in their workplace.

**Assessment (evidence) Requirements****Workplace evidence**

The majority of the evidence used for this Unit must come from the learner's own work activities, both in their own 'reporting base' and working on the water distribution network.

**Knowledge and Understanding**

The Knowledge and Understanding requirements for this Unit must be covered in full. The learner may demonstrate considerable knowledge through their workplace performance and during observed assessments, but it is likely that some assessor questioning will be needed to confirm that all knowledge requirements are met. The centre may use oral and/or written questioning to cover the knowledge requirements.

**Guidance on Instruments of Assessment**

The evidence for this Unit is likely to be generated through a mixture of observation reports, assessor-guided discussions and questioning, and workplace records, reports or documentation.