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| <b>Unit Title</b>  | Understanding water sector construction and operational processes related to compliance and the environment (L/503/1464) |  |
| <b>Level</b>   | 3  |  |
| <b>Credit Value</b>  | 5  |  |
| <b>Learning Outcomes – the learner will be able to:</b>                    | <b>Assessment Criteria – the learner can:</b>  |  |
| 1. Know the regulatory requirements for construction in the water industry | 1.1  | state the main <b>regulations</b> that apply to the construction sector.   |
|  | 1.2  | outline the main provisions of the current regulations relating to construction design and management, including roles and responsibilities. |
| 2. Understand roles and responsibilities during construction projects      | 2.1  | outline the responsibilities and inter-relationships of <b>personnel</b> involved in construction projects.                                  |
|  | 2.2  | explain the importance of effective project management.  |
|  | 2.3  | describe <b>documentation</b> used during construction projects.   |
|  | 2.4  | explain how the water and wastewater networks integrate with construction projects.  |
| 3. Understand regulatory compliance in water industry operations           | 3.1  | outline the main provisions of <b>pollution prevention legislation</b>   |
|  | 3.2  | outline the main provisions of the Waste Management Regulations.   |
|  | 3.3  | explain the consequences of non-compliance with pollution prevention legislation   |
|  | 3.4  | explain the consequences of non-compliance with the Waste Management Regulations   |
|  | 3.5  | describe the <b>impact</b> of water and wastewater processes on the natural environment.   |
|  | 3.6  | explain the impact construction materials can have on the environment and regulatory compliance.   |

| <b>Additional information about the unit</b> |  |
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| <b>Unit purpose and aims</b>                 | <p>This unit is designed to allow the learner to develop an understanding of the nature of the built environment and its associated professions.</p> <p>The learner will develop a basic awareness of:</p> <ul style="list-style-type: none"> <li>• how construction techniques integrate with water industry structures</li> <li>• basic awareness of construction industry personnel and roles</li> <li>• the regulatory compliance requirements relating to construction in the water industry</li> <li>• the impact of water industry construction and operations on the natural environment</li> <li>• the implications and consequences of non compliance with regulations.</li> </ul> |



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| <b>Unit expiry date</b>   | 31/03/2016   |
| <b>Details of the relationship between the unit and relevant national occupational standards or other professional standards or curricula (if appropriate)</b>  | -  |
| <b>Terms and definitions applicable to the assessment criteria (agreed with the sector body)</b><br><i>(Please note: This section is not replicated on the Regulatory IT System but is required when assessing the unit.)</i> | <p>Some terms, used within the assessment criteria, cover different situations, as follows:</p> <ol style="list-style-type: none"><li><b>Regulations</b> include those covered by:<ol style="list-style-type: none"><li>Health and Safety Executive (HSE)</li><li>Department for Environment Food and Rural Affairs (DEFRA)</li><li>Environment Agency (EA)</li><li>Local Authorities.</li></ol></li><li><b>Personnel</b> include:<ol style="list-style-type: none"><li>client</li><li>design team</li><li>engineer</li><li>contractor</li><li>sub-contractor</li><li>site safety supervisor</li><li>quality assurance personnel</li><li>project management.</li></ol></li><li><b>Documentation</b> includes:<ol style="list-style-type: none"><li>contracts</li><li>records</li><li>Construction Design Management (CDM)</li><li>operation maintenance manuals</li></ol></li><li><b>Pollution prevention legislation</b> includes:<ol style="list-style-type: none"><li>Pollution prevention and control legislation</li><li>Water resources act</li><li>Urban Wastewater Treatment Directive</li><li>current legislation relating to water management, including reservoirs.</li></ol></li><li>The <b>impact</b> of water and wastewater processes on the environment includes:<ol style="list-style-type: none"><li>environmental pollution</li><li>regulatory failure</li><li>reputation</li><li>financial</li><li>health.</li></ol></li></ol> |
| <b>Assessment requirements or guidance specified by a sector or regulatory</b>  | Some terms in the assessment criteria cover a range of situations. Refer to the full assessment requirements and   |



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| <b>body (if appropriate)</b>  | <p>guidance for a detailed list of terms and definitions, agreed with Energy &amp; Utility Skills.</p> <p>This unit must be assessed in line with the Energy &amp; Utility Skills assessment strategy for water knowledge qualifications.</p> <p>The unit must be assessed using a knowledge assessment.</p> |
| <b>Location of the unit within the subject/sector classification system</b> | 4.1 Engineering  |
| <b>Name of the organisation submitting the unit</b>                         | CABWI Awarding Body  |
| <b>Availability for use</b>   | Restricted to CABWI Awarding Body  |
| <b>Unit guided learning hours</b>   | 30   |