



Unit Title	Complete a water industry research project (M/506/1606)	
Level	4	
Credit Value	8	
Project - <i>The learner will be able to -</i>	Assessment Criteria – <i>the learner must:</i>	
1. Identify and plan a project within the water industry	<ol style="list-style-type: none"> 1. produce an outline of the general aims of the investigation. 2. identify specific objectives for the achievement of the task that take into account relevant water industry operational activities. 3. confirm the timescales for achieving the specific objectives. 4. explain the rationale for the selection of the chosen subject area. 5. confirm the resources required to undertake the research effectively. 6. identify the practical issues or perceived barriers that could affect completion of the activity. 7. identify any legislative and regulatory requirements that relate to the area of research. 	
2. Develop and carry out the project	<ol style="list-style-type: none"> 1. explain the specific objectives identified for research in the context of water industry operational activities. 2. collect and collate the relevant data. 3. evaluate and analyse data in relation to the specific objectives identified when planning the project. 4. provide conclusions and recommendations based on the analysis. 5. produce an action plan based on the conclusions and recommendations. 6. state the human and non-human resources, including financial resources, that are required to implement the action plan. 7. identify the impact of any legislative and regulatory requirements, and how they are addressed, on the implementation of the action plan. 	
3. Evaluate the outcome of the project and identify lessons learned	<ol style="list-style-type: none"> 1. identify knowledge and skills which have been gained and developed as a result of the project. 2. assess the extent to which the specific objectives for the investigation were met. 3. summarise the planning and implementation activity in terms of: <ol style="list-style-type: none"> 1 which aspects went well and why 2 which aspects did not go as well and why 3 how any practical issues were overcome. 	

Additional information about the unit	
Unit purpose and aims	<p>This unit is designed to provide evidence that the learner can complete a research project to address a query, problem or situation in <u>one</u> of the following water industry areas:</p> <ul style="list-style-type: none"> • the management of a water resource, or



	<ul style="list-style-type: none">• the principles of water treatment processes, or• the basic principles and components of a water distribution network system, or• the processes involved in the collection, treatment and disposal of wastewater.
Unit expiry date	31/03/2019
Assessment requirements and guidance	<p>This unit is designed to allow the learner to demonstrate their understanding of how to carry out a research project in the water industry. The learner will select an area, and relevant water industry operational activities, to research and identify objectives for a specific project in their chosen functional area. For this reason, it is recommended that the learner should have completed or be in the process of completing <u>one</u> of the following units covering water industry operational activities, and that the subject selected for their project covers the same operational area:</p> <ul style="list-style-type: none">• Unit WOM407 - Water resources• Unit WOM412 - Water treatment processes• Unit WOM409 - Water distribution• Unit WOM405 - Waste water treatment processes <p>Assessment of this unit will be by:</p> <ul style="list-style-type: none">• The completion of an agreed business-related project that covers all assessment criteria.• The production of a project report, including the justification of any conclusions reached.• A presentation of the project to a suitable assessment panel, including a question and answer session. <p>Further details on the assessment process and marking of this unit can be found in the centre guidance document.</p>
Location of the unit within the subject/sector classification system	4.1 Engineering
Name of the organisation submitting the unit	CABWI Awarding Body
Availability for use	Shared
Unit guided learning hours	32