



Unit Title	Project management for the water industry (A/506/1625)	
Level	4	
Credit Value	12	
Learning Outcomes – the learner will be able to:	Assessment Criteria – the learner can:	
1. Understand the practice of project management	1.	describe project management practices in the water industry.
	2.	evaluate the role of project managers in the water industry.
2. Understand the competencies and training required of project managers	1.	evaluate the key characteristics of effective project managers.
	2.	explain the type of education, training and occupational standards required of project managers.
3. Understand the duties and responsibilities of project managers	1.	explain the duties and responsibilities of project managers.
	2.	compare the contractual implications and the differences in relationships, roles and responsibilities when using external consultants or internal teams for project management.
	3.	discuss the relationship of project managers with the design and production teams.
4. Understand how client objectives can be achieved through project management	1.	explain the role and objectives of the client in the construction process.
	2.	explain the advantages to clients of using project management to meet their aims and objectives.
	3.	explain how the use of project management can improve quality and standards in the water industry by using project management.
5. Understand how project management adds value to a project	1.	evaluate how project management can help with changes to priorities of the water industry.
	2.	explain the use of best practice in project management to develop key performance indicators (KPIs).
	3.	evaluate how project managers can add value to water industry processes.

Additional information about the unit	
Unit purpose and aims	<p>This unit provides learners with the opportunity to develop an understanding of the principles and application of project management in the water industry.</p> <p>On completion of the unit the learner will:</p> <ul style="list-style-type: none"> • understand the practice of project management • understand the competencies and training required of project managers • understand the duties and responsibilities of project managers • understand how client objectives can be achieved through



	<p>project management</p> <ul style="list-style-type: none">• understand how project management adds value to a project.
Unit expiry date	31/03/2019
Assessment requirements or guidance specified by a sector or regulatory body (if appropriate)	<p>In the assessment of this unit, the learner must ensure that the evidence that they produce covers the following:</p> <ol style="list-style-type: none">1. The learner's description of project management practices must include:<ol style="list-style-type: none">(a) definition(b) historical developments(c) advantages and disadvantages in practice(d) review of current literature(e) research information.2. The role of a project manager in the water industry must include:<ol style="list-style-type: none">(a) development of a project plan(b) management of the project (including stakeholders; team; risk; schedule; budget; handling any issues and conflicts that may arise).3. The learner's evaluation of the key characteristics of effective project managers must cover:<ol style="list-style-type: none">(a) managerial skills(b) technical knowledge and abilities(c) personality and psychological factors(d) leadership and delegation(e) negotiation(f) decision making and clarity of thinking(g) education and training for specific projects.4. The learner's explanation of the education, training and occupational standards must cover:<ol style="list-style-type: none">(a) job requirements(b) personal profile(c) occupational standards(d) continuing professional development.5. The duties and responsibilities of project managers must cover:<ol style="list-style-type: none">(a) understanding the client brief(b) appointing the design team(c) working with the production team(d) reports and recommendations.6. The relationship of the project manager with the design and production teams must include:



	<p>(a) co-ordination and control (b) project management (c) responsibilities (including duties; authority; accountability; fees).</p> <p>7. The role and objectives of the client must cover: (a) timescales (b) budgets (c) performance (d) quality.</p> <p>8. The advantages of project management must cover the achievement of: (a) time savings (b) higher level of management control (c) cost predictions (d) better control of risks (e) improved communication and information (f) management value for money.</p> <p>9. The learner's explanation of the role of project management in addressing changes to priorities in the water industry must cover: (a) factors that affect how project management can be used to assist a changing industry (b) change management in the water industry (c) culture of best practice in water industry related projects.</p> <p>10. The learner's explanation of best practice and key performance indicators must cover: (a) benchmarking against other systems and practices (b) the use of key performance indicators (c) best practice projects.</p> <p>11. The learner's explanation of how project managers can add value to water industry projects must include: (a) doing more for less (e.g. reduced costs) (b) improved affordability (c) improved efficiency (d) reduced waste.</p> <p>The assessment of this unit will be via a combination of centre-devised assignments and tests, and will be conducted in supervised conditions. The assessment strategy for the unit has been agreed with industry stakeholders.</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	48