

Title:	WT4.02 Evaluate Water Treatment for Process Water Systems	
Level:	4	
Credit Value:	15	
Learning outcomes	Assessment criteria	
1. Follow organisational procedures relating to evaluating water treatment for process water systems	1.1. Work safely at all times 1.2. Comply with the health, safety and environmental requirements set out by the organisation relevant to the site 1.3. Follow the organisational procedures that are appropriate to the operation being undertaken	
2. Prepare to evaluate water treatment for process water systems	2.1. Produce a water treatment programme to meet system requirements and regulatory requirements utilising design models 2.2. Produce a programme of control measures to maintain the efficacy of the treatment programme in accordance with company operating procedures	
3. Carry out the evaluation of water treatment for process water systems	3.1. Identify and assess system conditions relevant to the water treatment programme 3.2. Assess the performance of the treatment programme for process water systems in accordance with company operating procedures 3.3. Investigate faults and errors in the system in accordance with company operating procedures 3.4. Identify and progress a programme of corrective actions for process water systems in accordance with company operating procedures	
4. Complete the evaluation of water treatment for process water	4.1. Record information and write report using company	

systems	documentation in accordance with company operating procedures 4.2. Provide the documentation to the relevant people
5. Know how to follow organisational procedures	5.1. Explain personal and legal responsibilities with regard to health and safety in the working area 5.2. Describe how working practices ensure that the working environment is conducive to good health 5.3. Describe what the approved codes of practice/working practices relevant to the operation are and why it is important to follow them 5.4. Explain when a work task risk assessment should be completed and how to ensure that one has been completed 5.5. Explain how they would know if specific site requirements are in place and what they would do to comply with them 5.6. Explain the company procedures relevant to evaluating water treatment for process water systems
6. Know how to prepare for evaluating water treatment for process water systems	6.1. Describe the different types of process water systems 6.2. Describe the principles of operation of the different types of process water systems 6.3. Explain the impact of system control on the system operation 6.4. Describe drift control and the application of drift elimination 6.5. Describe the principles of water treatment regarding the different types of process water systems 6.6. Explain the Health and Safety implications of incorrect water

	<p>treatment</p> <p>6.7. Describe the Health and Safety implications of incorrect system operation</p> <p>6.8. Explain the problems encountered in the relevant systems</p> <p>6.9. Describe the water chemistry and microbiology applicable to process water systems</p> <p>6.10. Explain the importance of any relevant system standards and regulatory requirements</p> <p>6.11. Describe which treatment methods are available and can be used</p> <p>6.12. Explain what control measures can be used for the water treatment programme</p> <p>6.13. Explain what system conditions are relevant to the water treatment programme</p> <p>6.14. Describe how to apply the company's treatment processes</p> <p>6.15. Explain how to interpret schematic diagrams and survey outputs</p> <p>6.16. Explain the efficacy of the relevant treatment programme and how it relates to regulatory compliance</p>
<p>7. Know how to evaluate water treatment for process water systems</p>	<p>7.1. Describe how to evaluate the efficacy of the treatment programme and how it relates to regulatory compliance</p> <p>7.2. Describe how to follow a performance monitoring programme</p> <p>7.3. Describe which methods for performance monitoring are available</p> <p>7.4. Explain what to do if performance is unsatisfactory</p> <p>7.5. Describe the range of potential</p>

	<p>corrective actions that may be employed</p> <p>7.6. Describe what corrective actions can be taken in accordance with company operating procedure</p> <p>7.7. Explain what to do if the appropriate corrective action cannot be taken and who to report this to</p> <p>7.8. Explain which corrective action it is appropriate to follow</p> <p>7.9. Explain how to progress corrective actions outside of the limits of own responsibility</p>
8. Know how to complete the evaluation of water treatment for process water systems	<p>8.1. Describe what documentation to use in accordance with organisational procedures</p> <p>8.2. Describe how to complete the documentation</p> <p>8.3. Explain who the relevant people are to receive the completed documentation</p>
Additional information about the unit	
Unit purpose and aim(s)	This unit addresses the skills and knowledge required to prepare for and evaluate water treatment for process water systems.
Unit expiry date	31/07/2016
Details of the relationship between the unit and relevant national occupational standards or other professional standards or curricula (if appropriate)	This unit covers the skills and knowledge requirements of NOS "Evaluate Water Treatment for Process Water Systems".
Assessment requirements specified by a sector or regulatory body (if appropriate)	This unit is subject to the requirements set out in the Cogent SSC Assessment Strategy.
Endorsement of the unit by a sector or other appropriate body (if required)	Cogent SSC
Location of the unit within the subject/sector classification system	2.1 , 4.2
Name of the organisation submitting	PAA\WQ-SET

the unit	
Availability for use	Restricted unit
Unit available from	
Unit guided learning hours	24