

Title:	WT2.14 Sample from Water Systems	
Level:	2	
Credit Value:	3	
Learning outcomes	Assessment criteria	
1. Follow organisational procedures relating to sampling from 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 documents and resources for the sampling procedure	2.1. Identify the samples that need to be taken from the sampling/work plan 2.2. Identify that all the required resources and documentation are available and have been correctly prepared in accordance with relevant workplace procedures 2.3. Identify that the correct sampling equipment is available 2.4. Ensure that sampling equipment is in a serviceable condition	
3. Follow sample and work plans relating to the sampling operation	3.1. Take the samples identified in the plan using the correct organisational procedures 3.2. Progress the samples in accordance with the work plan	
4. Control conditions for sampling	4.1. Ensure that the conditions for sample collection adhere to the sampling plan 4.2. Deal with variations to sampling conditions and contingencies following organisational procedures 4.3. Control the sampling conditions in accordance with the relevant procedures 4.4. Stabilise and maintain the sample	

	<p>for conveyance in accordance with the relevant procedures</p> <p>4.5. Label and record information about the sample accurately and legibly using documentation in line with company procedures</p> <p>4.6. Progress the sample to the point of analysis in accordance with the work plan</p>
<p>5. Know how to follow organisational procedures</p>	<p>5.1. Explain personal and legal responsibilities with regard to health and safety in the working area</p> <p>5.2. Describe how working practices ensure that the working environment is conducive to good health</p> <p>5.3. Describe what the approved codes of practice/working practices relevant to the operation are and why it is important to follow them</p> <p>5.4. Explain when a work task risk assessment should be completed and how to ensure that one has been completed</p> <p>5.5. Explain how they would know if specific site requirements are in place and what they would do to comply with them</p> <p>5.6. Explain the importance of completing relevant documentation legibly and accurately</p> <p>5.7. Explain the appropriate documentation and labelling system to be followed</p> <p>5.8. Describe the organisational procedures which relate to sampling equipment and materials after the sampling operation has been completed (including cleaning and disposal)</p> <p>5.9. Describe the organisational</p>

	<p>procedures which relate to transportation, storage and packing of samples in preparation for analysis</p>
<p>6. Know how to prepare for sampling</p>	<p>6.1. Describe the relevant features of a sample plan/work plan which sets out the sampling requirements</p> <p>6.2. Describe the sampling procedures</p> <p>6.3. Explain the principles of the sampling procedure for the sample being taken</p> <p>6.4. Outline the location of the sample points as defined within the sample plan/work plan</p> <p>6.5. Explain the purpose of taking the sample and what the sample result is used for</p> <p>6.6. Describe the different methods that may be used to obtain a water sample</p> <p>6.7. Outline the key aspects of current standards and guidelines and other best practice that apply to sampling</p> <p>6.8. Describe what problems may occur, and how the sample plan may be altered to deal with them</p>
<p>7. Know how to prepare equipment and resources for sampling</p>	<p>7.1. Describe the different resources required for a sampling operation</p> <p>7.2. Describe what equipment should be used for different samples</p> <p>7.3. Outline the different resources required to undertake different sampling operations</p> <p>7.4. Describe how to identify defective equipment and the correct action to take to deal with it</p>
<p>8. Know the conditions necessary for sampling operations</p>	<p>8.1. Explain why it is important to control sampling conditions</p> <p>8.2. Explain the methods that can be used to establish correct sampling</p>

	<p>conditions</p> <p>8.3. Describe the impact that different conditions may have on sample quality</p> <p>8.4. Describe the different factors that can affect sample quality</p> <p>8.5. Describe how to compare the conditions of sampling against the sample plan</p> <p>8.6. Describe the environmental requirements relating to sampling</p> <p>8.7. Describe the key factors that can influence the integrity of the sample</p> <p>8.8. Explain the importance of maintaining sample integrity</p> <p>8.9. Describe the techniques for maintaining sample integrity</p>
Additional information about the unit	
Unit purpose and aim(s)	This unit addresses the skills and knowledge required to prepare for and carry out sampling from water systems, and conveyance of sample to point of analysis.
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 "Sample from 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 the unit	PAA\VQ-SET
Availability for use	Restricted unit

Unit available from	
Unit guided learning hours	4