

1. Title	Shutdown of industrial water treatment system										
2. Code	EMPEOM312A										
3. Range	Perform the shutdown of industrial water treatment system in general industrial plants, power plants or other places.										
4. Level	3										
5. Credits	3										
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Shutdown principles for industrial water treatment system</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the functions and operating principle of devices in industrial water treatment system ◆ Understand shutdown procedures for industrial water treatment system ◆ Understand the noting points for the shutdown of industrial water treatment system </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Shutdown procedures for industrial water treatment system</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Perform the shutdown operation for various types of industrial water treatment system according to the requirements of operation procedure ◆ Use shutdown devices for industrial water treatment system ◆ Compile reports on shutdown of various types of industrial water treatment system; perform post-shutdown maintenance and repair <ul style="list-style-type: none"> • Preventing corrosion • Cleaning pipes • Dirt and stability treatment • Anti-microbial fouling treatment </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in shutdown of industrial water treatment system</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow manufacturer's shutdown instructions and procedures to perform the task for industrial water treatment system ◆ Perform the shutdown of industrial water treatment system in compliance with the code of safety and codes of practice </td> </tr> </table>		6.1	Shutdown principles for industrial water treatment system	<ul style="list-style-type: none"> ◆ Understand the functions and operating principle of devices in industrial water treatment system ◆ Understand shutdown procedures for industrial water treatment system ◆ Understand the noting points for the shutdown of industrial water treatment system 	6.2	Shutdown procedures for industrial water treatment system	<ul style="list-style-type: none"> ◆ Perform the shutdown operation for various types of industrial water treatment system according to the requirements of operation procedure ◆ Use shutdown devices for industrial water treatment system ◆ Compile reports on shutdown of various types of industrial water treatment system; perform post-shutdown maintenance and repair <ul style="list-style-type: none"> • Preventing corrosion • Cleaning pipes • Dirt and stability treatment • Anti-microbial fouling treatment 	6.3	Professionalism in shutdown of industrial water treatment system	<ul style="list-style-type: none"> ◆ Follow manufacturer's shutdown instructions and procedures to perform the task for industrial water treatment system ◆ Perform the shutdown of industrial water treatment system in compliance with the code of safety and codes of practice
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to clearly explain the shutdown procedures for industrial water treatment system; (ii) Capable to perform the shutdown of industrial water treatment system independently according to procedures; (iii) Capable to complete simple reports on industrial water treatment system shutdown; and (iv) Capable to clearly report the shutdown status of industrial water treatment system. 										
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of industrial water treatment system.										