

1. Title	Be familiar with and master the prevention and control of water pollutants										
2. Code	EMPESH301A										
3. Range	Monitor the prevention and control of water pollutants in general industrial plants, power plants or other places.										
4. Level	3										
5. Credits	6										
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;">Knowledge of the prevention and control of water pollutants</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand legal guidelines on environmental protection and codes of good practice ◆ Understand guidelines and regulations on the control of water pollution ◆ Understand the discharge standards for water pollutants ◆ Understand causes and prevention and control of various types of water pollutants </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures for the prevention and control of water pollutants</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Read and understand guidelines and regulations on the control of water pollution ◆ Monitor effectively the production of water pollutants from plants according to instructions ◆ Monitor effectively the volume of water pollutants and quality of water discharged from plants according to instructions <ul style="list-style-type: none"> • Chemical or toxic wastewater treatment • Oily wastewater treatment • Sediment-containing wastewater treatment ◆ Compile reports on the prevention and control of water pollutants </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in the prevention and control of water pollutants</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow guidelines and procedures to monitor the prevention and control of water pollutants ◆ Discharge water pollutants in compliance with the statutory code of safety and codes of practice </td> </tr> </table>		6.1	Knowledge of the prevention and control of water pollutants	<ul style="list-style-type: none"> ◆ Understand legal guidelines on environmental protection and codes of good practice ◆ Understand guidelines and regulations on the control of water pollution ◆ Understand the discharge standards for water pollutants ◆ Understand causes and prevention and control of various types of water pollutants 	6.2	Methods and procedures for the prevention and control of water pollutants	<ul style="list-style-type: none"> ◆ Read and understand guidelines and regulations on the control of water pollution ◆ Monitor effectively the production of water pollutants from plants according to instructions ◆ Monitor effectively the volume of water pollutants and quality of water discharged from plants according to instructions <ul style="list-style-type: none"> • Chemical or toxic wastewater treatment • Oily wastewater treatment • Sediment-containing wastewater treatment ◆ Compile reports on the prevention and control of water pollutants 	6.3	Professionalism in the prevention and control of water pollutants	<ul style="list-style-type: none"> ◆ Follow guidelines and procedures to monitor the prevention and control of water pollutants ◆ Discharge water pollutants in compliance with the statutory 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 independently monitor the prevention and control of water pollutants; (ii) Capable to clearly explain guidelines and regulations on the control of water pollution; (iii) Capable to compile simple reports on the prevention and control of water pollutants; and (iv) Capable to clearly report the status of the prevention and control of water pollutants. 										
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of general mechanical and chemical environmental protection.										