

1. Title	Supervise plant environmental management		
2. Code	EMPESH501A		
3. Range	Perform plant environmental management in general industrial plants, power plants or other places.		
4. Level	5		
5. Credits	6		
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Plant environmental management statistics</p> <ul style="list-style-type: none"> ◆ Understand correct calculation of discharge data such as <ul style="list-style-type: none"> • Material balance calculations • Chimney emission parameters • Waste water discharge parameters • Noise emission parameters <p>6.2 Supervise and analyze plant environmental management</p> <ul style="list-style-type: none"> ◆ Handle all kinds of discharge data correctly <ul style="list-style-type: none"> • Data analysis • Controlling and mitigation measures ◆ Identify main waste, including chemical waste, management issues ◆ Manage the storage, handling, collection, transportation and disposal of waste ◆ Understand how the nature of the operation and its relevant activities affects the environment <p>6.3 Assess and formulate plant environmental management</p> <ul style="list-style-type: none"> ◆ Understand the implementation of the environmental protection process supervising production <ul style="list-style-type: none"> • Formulate details for the implementation of environmental protection supervision • Strictly implement the details ◆ Master the total control to identify the management goals <ul style="list-style-type: none"> • Producer responsibility scheme and polluter pays principle ◆ Forecast the waste output <ul style="list-style-type: none"> • Take practical measures to avoid, reduce and recycle waste ◆ Understand the sphere of potential environmental impact of the operation and its relevant activities 		

7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to correctly calculate and handle discharge data; (ii) Capable to supervise that the production process complies with the stipulations of environmental protection regulations; (iii) Capable to implement mitigation measures for waste management; and (iv) Capable to conduct detail environmental impact assessment study.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of mechanical and chemical basics for environmental protection, and of ordinances related to environmental protection, occupational safety and health.</p>