

1. Title	Supervise the prevention and control of pollutants from plants		
2. Code	EMPESH504A		
3. Range	Supervise the prevention and control of pollutants from plants in general industrial plants, power plants or other places.		
4. Level	5		
5. Credits	9		
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Plant machinery and its pollutants</p> <ul style="list-style-type: none"> ◆ Know about various types of machinery of plants and the types and causes of pollutants, such as <ul style="list-style-type: none"> • Steam turbines • Bulk material conveying and handling systems • Boilers <p>6.2 Prevention and control of pollutants generated by plant mechanical systems</p> <ul style="list-style-type: none"> ◆ Be familiar with the prevention and control of various types of wastewater <ul style="list-style-type: none"> • Process flow of handling various types of wastewater • Principle and key points of operating major wastewater handling equipment ◆ Be familiar with the prevention and control of various types of waste gas <ul style="list-style-type: none"> • Popular dust removal techniques • Working principles for major dust removal equipment • Technical properties and operational control of electrostatic precipitator • Control technology for sulphur dioxide and nitrogen oxide in flue gas and the handling of suspended particles ◆ Be familiar with the prevention and control of various types of industrial noises <ul style="list-style-type: none"> • Control the source of noise • Repair the fault causing the source of noise • Use noise barrier <p>6.3 Professionalism in handling plant pollutants</p> <ul style="list-style-type: none"> ◆ Follow the factories and industrial undertakings (amendment) ordinance and environmental protection laws of Hong Kong to perform the prevention and control of waste water, waste gas and noise ◆ Compile job manuals for the prevention and control of waste water, waste gas and noise 		

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: <ul style="list-style-type: none">(i) Capable to run the plant so as to meet the standards for pollutants as required by the law;(ii) Capable to report the performance and data of the prevention and control of pollutants; and(iii) Capable to compile reports on the prevention and control of 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.