

1. Title	Be familiar with and master the prevention and control of air pollutants		
2. Code	EMPESH302A		
3. Range	Monitor the prevention and control of air 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>		
	6.1	Knowledge of the prevention and control of air 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 air pollution ◆ Understand the discharge standards for air pollutants ◆ Understand causes and prevention and control of various types of air pollutants
	6.2	Methods and procedures for the prevention and control of air pollutants	<ul style="list-style-type: none"> ◆ Read and understand guidelines and regulations on the control of air pollution ◆ Monitor effectively the production of air pollutants from plants according to instructions, such as <ul style="list-style-type: none"> • Pollutants from boilers, stoves, furnaces and vents • Pollutants from diesel generators or engines • Volatile organic compounds (VOCs) from printers ◆ Monitor effectively the volume of air pollutants discharged from plants according to instructions: <ul style="list-style-type: none"> • Sulphur dioxide • Nitrogen dioxide • Carbon monoxide • Photochemical oxidants • Lead • Total suspended particulate (TSP) • Respirable suspended particulate (RSP) • VOCs ◆ Compile reports on the prevention and control of air pollutants
	6.3	Professionalism in the prevention and control of air pollutants	<ul style="list-style-type: none"> ◆ Follow guidelines and procedures to monitor the prevention and control of air pollutants ◆ Discharge air pollutants in compliance with the statutory code of safety and codes of practice

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: <ul style="list-style-type: none">(i) Capable to independently monitor the prevention and control of air pollutants;(ii) Capable to clearly explain guidelines and regulations on the control of air pollution;(iii) Capable to compile simple reports on the prevention and control of air pollutants; and(iv) Capable to clearly report the status of the prevention and control of air 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.