

**SKILLS FRAMEWORK FOR ENVIRONMENTAL SERVICES
TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT**

TSC Category	Waste Management Operations					
TSC	Waste Treatment Management					
TSC Description	Manage the waste treatment process including planning of resources to efficiently treat the waste collected in a manner that is safe to personnel and environment					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		EVS-WMO-2006-1.1	EVS-WMO-3006-1.1	EVS-WMO-4006-1.1		
		Segregate the different types of waste based on their treatment methods and prepare the waste for the treatment process	Supervise and ensure waste treatment operations are running efficiently and safely	Manage waste treatment operations efficiently for each different treatment unit or facility		
Knowledge		<ul style="list-style-type: none"> Types of waste that can be treated before disposal or recycled Methods to treat waste including anaerobic treatment Workplace Safety and Health (WSH) guidelines Appropriate Personal Protective Equipment (PPE) for management of different types of waste Environmental Public Health Act Environment Protection and Management Act Environmental Public Health (Toxic Industrial Waste) Regulations Hazardous Waste Act Organisational procedures to treat different types of waste Heavy machinery for safe transportation of the waste in treatment facility 	<ul style="list-style-type: none"> Types of waste that can be treated Workplace Safety and Health (WSH) guidelines Appropriate Personal Protective Equipment (PPE) for management of different types of waste Environmental Public Health Act Environment Protection and Management Act Environmental Public Health (Toxic Industrial Waste) Regulations Hazardous Waste Act Automated systems to treat different types of waste Different methods to treat waste including anaerobic treatment Organisational procedures for record keeping 	<ul style="list-style-type: none"> Types of waste that are treated and their potential value Workplace Safety and Health (WSH) guidelines Environmental Public Health Act Environment Protection and Management Act Hazardous Waste Act Environmental Public Health (Toxic Industrial Waste) Regulations Treatment methods for different types of waste Leaching test Storage requirements for different waste before and after treatment Reporting system to authorities for different types of waste to be treated 		
Abilities		<ul style="list-style-type: none"> Use appropriate PPE to handle different types of waste, especially for hazardous waste Segregate the different waste in accordance with their treatment 	<ul style="list-style-type: none"> Allocate the appropriate PPE to handle different types of waste Determine the quantity of the waste to be loaded into the treatment facility or unit 	<ul style="list-style-type: none"> Plan the work schedule of the waste collected for each treatment unit or facility Evaluate the resources required to treat waste Coordinate the necessary resources 		

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		<p>methods including anaerobic treatment</p> <ul style="list-style-type: none"> • Ensure the waste containers used for holding the different types of waste are secured with no leakage, especially for hazardous waste • Prepare the waste in accordance with organisational procedures and guidelines for treatment • Operate heavy machinery to transport the waste to treatment site safely • Replenish consumables used during treatment process • Inform appropriate person or supervisor if work activities cannot be carried out 	<ul style="list-style-type: none"> • Determine the appropriate treatment method for different types of waste • Communicate work assignment to workers to ensure the smooth operation of all treatment facilities or units • Ensure consumables required in each different treatment unit or facility are replenished • Inform appropriate person or supervisor if waste treatment cannot be carried out • Monitor personnel in accordance with regulatory requirements and organisational procedures during emergency responses incidents 	<p>and consumables required to perform waste treatment</p> <ul style="list-style-type: none"> • Consolidate and report the quantity of the waste treated • Report incidents or customers' queries in accordance with organisational procedures and guidelines • Report to authorities or higher management on the type and quantity of waste treated 		
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