



Workplace Safety and Health Implementation in Waste Management

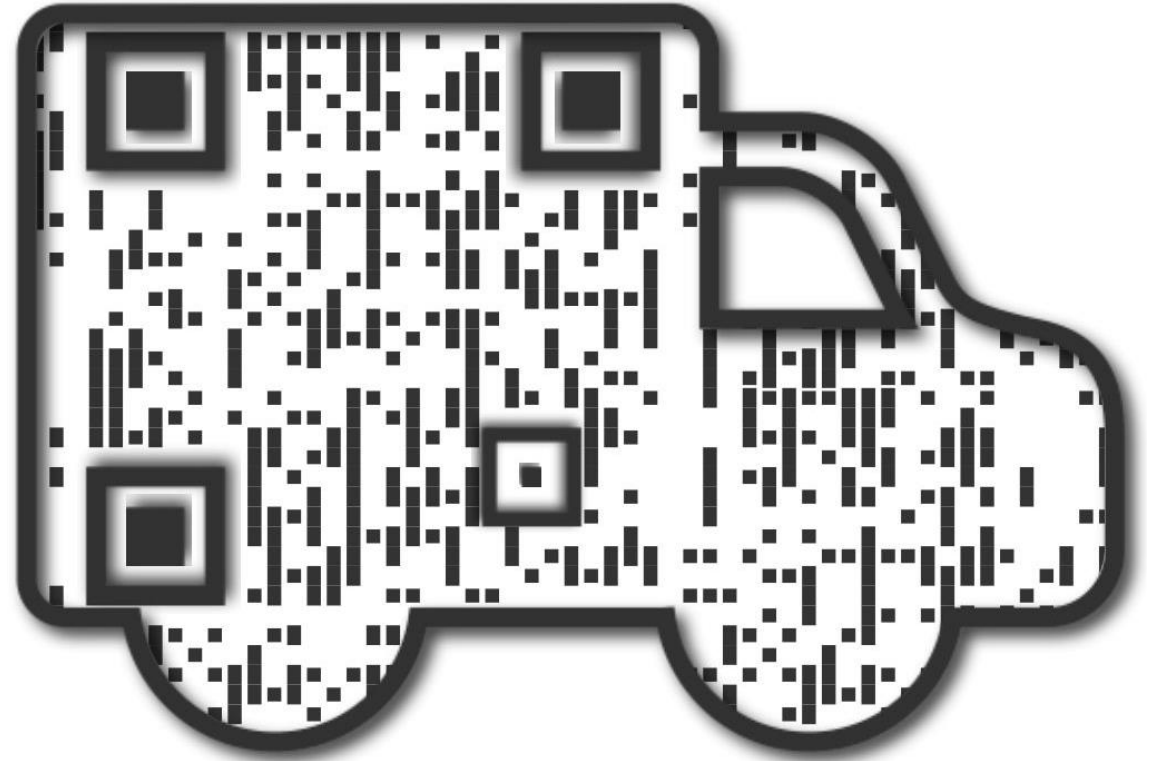


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Three Key
Factors of WSH
Implementation
in the Context of
the Waste
Management
Industry

- Man
Human Factors
 - Machine
Equipment and Technology
 - Method
Work Processes and Procedures
- 

Man (Human Factors)

- Training and Education

Ensure that workers are well-trained and informed about the specific hazards associated with waste management.

This includes providing training on proper waste handling procedures, equipment operation, and emergency response.

Training also includes the dos and don'ts of Environmental Public Health Act (EPHA).

Training and Education (Courses aligned to the PWM training framework for waste management sector)

JOB ROLE	WSQ Waste Collection Management (L1) / WSQ Waste Sorting Management (L1)	WSQ Waste Collection Management (L2) / WSQ Waste Sorting Management (L2)	WSQ Workplace Safety and Health Practices Implementation (L2)	WSQ Incident and Accident Investigation (L2)
CREW	✓		✓	
DRIVER	✓ (Class C)	✓	✓	✓
SORTER	✓		✓	
MACHINE OPERATOR	✓	✓	✓	Optional

Training and Education (Additional WSH-related courses for consideration)

WSQ Develop a Risk Management Implementation Plan (bizSAFE L2)

WSQ Develop a Workplace Safety and Health Management System (WSHMS) Implementation Plan (bizSAFE L4)

WSQ Certificate in Workplace Safety and Health (Level A)

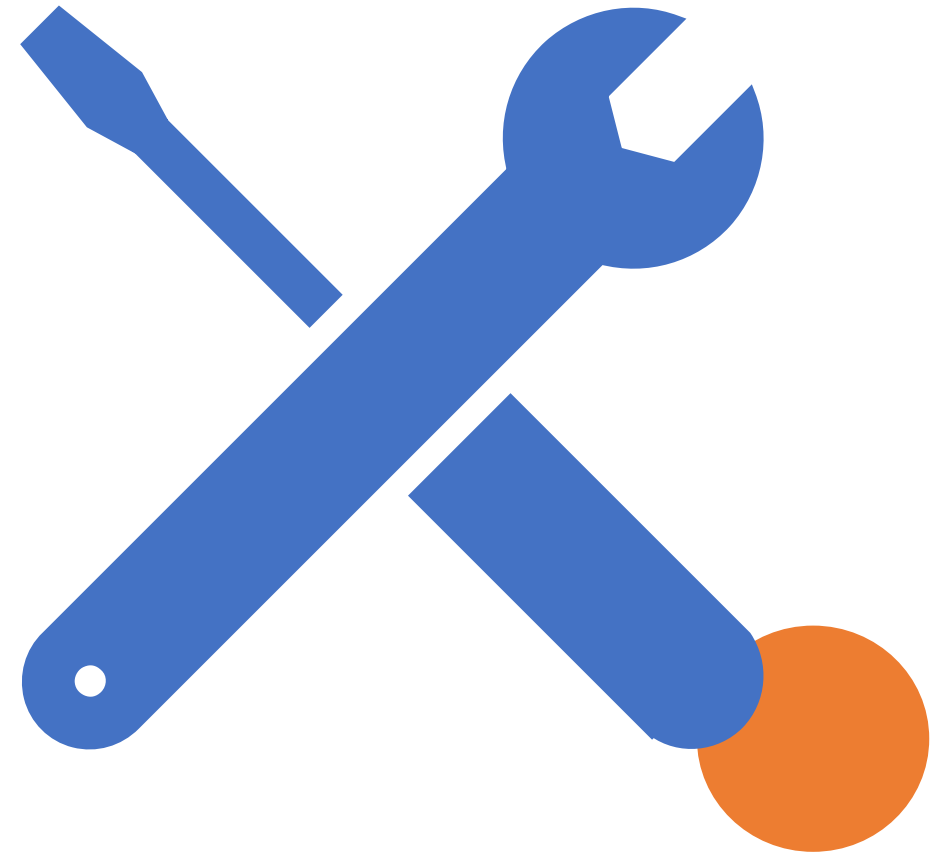
WSQ Advanced Certificate in Workplace Safety and Health (Level B)

Machine (Equipment and Technology)

- Equipment Safety

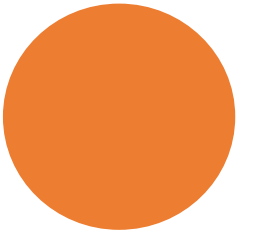
Regularly inspect, maintain, and repair machinery and equipment to ensure they are safe to use.


Proper maintenance helps prevent accidents and equipment failures.



Equipment Safety (Mandatory inspections for vehicles and equipment)

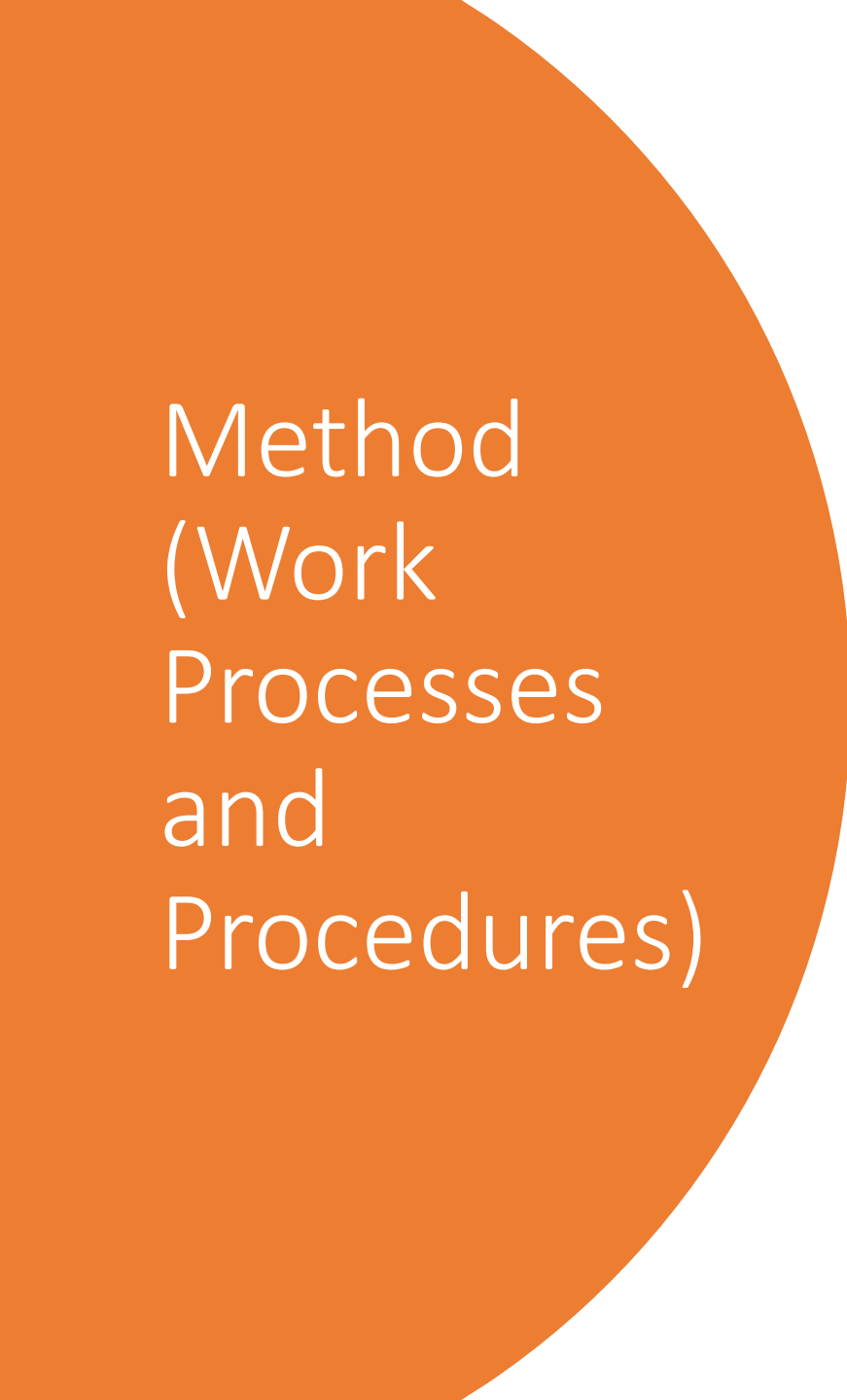
- Hook-Lift mechanism
 - Open-Top container
 - Mobile refuse compactor
 - Tanker
- Required to be inspected annually by a workshop accredited by the Singapore Accreditation Council (SAC) and have valid inspection certificate
- Adhere to NEA's inspection checklist
- Additionally, tanker must pass a hydrostatic test and obtain certification for the hose and air filtering system





Equipment Safety (Overfilling and Overloading)

- Rear-End Loader (REL) Truck
 - Hook-Lift (HL) Truck with Open-Top Container (OTC)
 - Hook-Lift (HL) Truck with Mobile Refuse Compactor
 - Hook-Lift (HL) Truck with Pneumatic Waste Conveyance System (PWCS) Container
- Shall not be overfilled and/or overloaded
 - Use of loadcell and/or bin fill sensor would prevent overfilling and overloading issues


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Method (Work Processes and Procedures)

- Open Reporting Scheme

An open reporting scheme encourages workers to report safety concerns, incidents, near misses, and potential hazards without fear of retaliation.

This reporting system can significantly contribute to a safer work environment by allowing for the identification and mitigation of safety risks in a timely manner.

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Open Reporting Scheme



Non-Retaliation Policy: Clearly communicate a non-retaliation policy to all employees, assuring them that they will not face adverse consequences for reporting safety concerns. This policy should be well-publicized and enforced.



Anonymous Reporting: Provide a mechanism for anonymous reporting, such as suggestion boxes, online reporting tools, or confidential hotlines. This can encourage employees who may be hesitant to report concerns openly.



Training and Awareness: Conduct training and awareness campaigns to educate employees about the reporting system and its importance. Ensure they understand the process for reporting incidents and hazards.

As a service buyer.....



Ensure that the appointed waste management company provides adequate training for their waste management workers



Ensure that equipment used for waste collection are inspected and certified as required



Do your part to ensure that the waste collection containers (OTC and/or MGB) are not overfilled or overloaded



Select waste management companies with bizSAFE certification and ideally those that adopts the open reporting scheme