



ULO TS-1	TITLE: Implement procedures for the reception of waste		EQF 6
Work tasks:	Act in accordance with best practises		
Weighting:	2		
Learning outcomes: LO 1: Understand and recognise relevant current and best operational practices LO 2: Manage procedures for the reception of waste LO 3: Identify and implement the techniques available to ensure that operators are aware of and implement correct procedures for the reception of waste LO 4: Recognise which systems and procedures to implement in order to deal with wastes that require specific handling LO 5: Monitor the systems and procedures implemented to deal with wastes that require specific handling			
Knowledge <i>(assimilation of knowledge throughout learning)</i>	Skills <i>(Ability to apply knowledge)</i>	Competences <i>(Measure of responsibility and autonomy; ability to use knowledge, skills, social abilities)</i>	
1) Understand and recognise relevant current and best operational practices / LO 1			
<ul style="list-style-type: none"> - Determine in detail how to reference relevant guidance and legislation - Demonstrate a critical understanding of all waste types received on site and their 	<ul style="list-style-type: none"> - Demonstrate advanced skills by applying current legislation, guidance and best practice applicable to the reception of waste 	<ul style="list-style-type: none"> - Manage the processes relating to the development and maintenance of procedures, in line with current legislation and best operational 	



respective management options		practises
2) Manage procedures for the reception of waste / LO 2		
<ul style="list-style-type: none"> - Demonstrate an advanced knowledge about the relevant legislation for the facility procedures - Identify the documentation required for the reception of waste 	<ul style="list-style-type: none"> - Demonstrate mastery by developing relevant procedures in line with best practice and current legislation - Regularly evaluate operational procedures against current legislation and best practice 	<ul style="list-style-type: none"> - Assume responsibility for the operational procedures for the reception of waste
3) Identify and implement the techniques available to ensure that operators are aware of and implement correct procedures for the reception of waste / LO 3		
<ul style="list-style-type: none"> - Demonstrate an advanced knowledge on the relevant legislation applicable to the reception of waste - Describe in detail the different techniques for ensuring instructions are understood by operators 	<ul style="list-style-type: none"> - Demonstrate advanced skills by ensuring that instructions are understood by all operators - Demonstrate mastery by establishing effective lines of communication 	<ul style="list-style-type: none"> - Assume responsibility for the implementation of operational procedures for the reception of waste - Monitor work activities to identify good and bad practice - Manage the implementation of effective training for staff - ensure that those responsible for the reception of waste understand: <ul style="list-style-type: none"> • The relevant EWC codes • How to use the weighbridge correctly • How to complete the necessary documentation correctly • The process for rejecting unauthorised



		wastes
4) Recognise which systems and procedures to implement in order to deal with wastes that require specific handling / LO 4		
<ul style="list-style-type: none"> - Describe in detail handling techniques for different waste types - Demonstrate a critical understanding of the hazards associated with different waste types 	<ul style="list-style-type: none"> - Demonstrate advanced skills by accessing information and advice on waste management - Seek advice from external experts when required 	<ul style="list-style-type: none"> - Assume responsibility of conducting risk assessments for hazardous wastes
5) Monitor the systems and procedures implemented to deal with wastes that require specific handling / LO 5		
<ul style="list-style-type: none"> - Demonstrate a critical understanding of methods to monitor the systems in place for the reception of waste, including waste requiring specific handling 	<ul style="list-style-type: none"> - Demonstrate advanced skills by selecting the most appropriate and effective methods to monitor systems and procedures for the dealing with wastes which require specific handling. - Demonstrate management skills by always keeping up to date with changes in legislation which may affect how hazardous waste is managed 	<ul style="list-style-type: none"> - Monitor systems and procedures for wastes which require specific handling - Ensure the correct documentation is completed, and is in line with current legislative requirements and organisational policy



ULO TS-2	<u>TITLE:</u> Select appropriate management option for waste delivered on site	EQF 6
Work tasks:	Ensure the proper differentiation of delivered waste	
Weighting:	1	
<u>Learning outcomes:</u> LO 1: Understand how to carry out waste identification procedures LO 2: Understand the options for the management options of waste types, and why some options are more appropriate than others LO 3: Recognise hazard identification techniques which are appropriate to your site LO 4: Conduct risk assessments and hazard identification procedures		
Knowledge <i>(assimilation of knowledge throughout learning)</i>	Skills <i>(Ability to apply knowledge)</i>	Competences <i>(Measure of responsibility and autonomy; ability to use knowledge, skills, social abilities)</i>
1) Understand how to carry out waste identification procedures / LO 1		
<ul style="list-style-type: none"> - Describe in detail the different waste types and the associated hazardous & risks - Demonstrate an advanced knowledge on the correct PPE for handling various waste types 	<ul style="list-style-type: none"> - Demonstrate advanced skills by securing records for waste inspection procedures are accurate and up to date - Demonstrate mastery to ensure that waste identification procedures are carried out in 	<ul style="list-style-type: none"> - Monitor and record waste identification procedures - Instruct staff on the correct procedures for waste identification



	line with current legislation, best practice and organisational policies & procedures	
2) Understand the options for the management options of waste types, and why some options are more appropriate than others / LO 2		
<ul style="list-style-type: none"> - Outline in detail the various waste treatment and disposal options available for waste types - Demonstrate a critical understanding of the waste hierarchy and its relevance to your organisation - Demonstrate an advanced knowledge on the fundamental principles of the different waste treatment processes 	<ul style="list-style-type: none"> - Select the most efficient and appropriate management, treatment and disposal options for waste produced on site - Demonstrate mastery by identifying and using methods for monitoring waste management practices on site 	<ul style="list-style-type: none"> - Assume responsibility for the management of waste on site
3) Recognise hazard identification techniques which are appropriate to your site / LO 3		
<ul style="list-style-type: none"> - Demonstrate an in-depth understanding of hazards and risks associated with waste types and waste management 	<ul style="list-style-type: none"> - Demonstrate mastery on how to access and use information sources 	<ul style="list-style-type: none"> - Assume responsibility for ensuring staff are adequately trained in hazard identification
4) Conduct risk assessments and hazard identification procedures / LO 4		
<ul style="list-style-type: none"> - Demonstrate a critical understanding of the importance of conducting regular risk assessments 	<ul style="list-style-type: none"> - Demonstrate advanced skills by conducting regular hazard identification activities 	<ul style="list-style-type: none"> - Manage risk assessment and hazard identification procedures, and their outcomes, carried out by yourself or others



<p>- Describe in detail methods of assessing risk, and identifying hazards</p>		<p>- Ensure that all staff members are aware of;</p> <ul style="list-style-type: none">• How to conduct risk assessments• How to identify hazards in the work place• Why risk assessments and hazard identification procedures should take place
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ULO TS-3	<u>TITLE:</u> Implement systems and procedures to prevent delivery of unauthorised waste	EQF 6
Work tasks:	Ensure the delivery of solely authorized waste	
Weighting:	2	
<u>Learning outcomes:</u> LO 1: Recognise the various means to maintain security of the site LO 2: Implement and monitor systems in place for the security of the site LO 3: Understand and select the appropriate means of dealing with unauthorised wastes LO 4: Understand and recognise the appropriate actions that should be taken in the event of a breach of site security		
<p style="text-align: center;">Knowledge <i>(assimilation of knowledge throughout learning)</i></p>	<p style="text-align: center;">Skills <i>(Ability to apply knowledge)</i></p>	<p style="text-align: center;">Competences <i>(Measure of responsibility and autonomy; ability to use knowledge, skills, social abilities)</i></p>
1) Recognise the various means to maintain security of the site / LO 1		
<ul style="list-style-type: none"> - Demonstrate an advanced knowledge on the legislation relevant to maintaining site security - Demonstrate a critical understanding of the principals for site security 	<ul style="list-style-type: none"> - Demonstrate advanced skills by preparing plans to prevent potential security breaches, and enable respective solutions - Prepare plans for site security 	<ul style="list-style-type: none"> - Assume responsibility for the implementation and the maintenance of systems to ensure the security of the site
2) Implement and monitor systems in place for the security of the site / LO 2		



<ul style="list-style-type: none"> - Identify in detail the consequences of a lack of, or poor, site security 	<ul style="list-style-type: none"> - Demonstrate mastery of the most appropriate methods and procedures for responding to breaches to site security - Demonstrate advanced skills by evaluating the security systems available for sites 	<ul style="list-style-type: none"> - Assume responsibility for the overall security of the site - Manage plans and proposals for improving site security
3) Understand and select the appropriate means of dealing with unauthorised wastes / LO 3		
<ul style="list-style-type: none"> - Demonstrate an advanced knowledge on what constitutes as an "unauthorised waste" - Determine the management options for "unauthorised wastes" on site - Understand in detail the reporting procedures which need to be followed in the case of managing unauthorised wastes 	<ul style="list-style-type: none"> - Recognise when you may need to seek management advice from experts and how to do implement the advices 	<ul style="list-style-type: none"> - Assume responsibility for the correct management of unauthorised waste
4) Understand and recognise the appropriate actions that should be taken in the event of a breach of site security / LO 4		
<ul style="list-style-type: none"> - Demonstrate a critical understanding of the methods for confirming that staff understand and is aware of procedures in place for site security 	<ul style="list-style-type: none"> - Demonstrate mastery by recognizing when a situation is out-with your responsibility, and seek advice from the correct people - Demonstrate advanced skills by responding to breaches to site security quickly and effectively 	<ul style="list-style-type: none"> - Ensure all staff are aware of, and comply with procedures for maintaining site security - Assume responsibility for site security and instruct staff on their role in site security



ULO TS-4	<u>TITLE:</u> Implement and maintain systems and procedures for traffic management on site	EQF 6
Work tasks:	Ensure correct direction of crews and reception of waste on the site	
Weighting:	2	
Learning outcomes: LO 1: Recognise the correct procedures to direct waste delivery crews appropriately when arriving on site LO 2: Identify and understand the correct procedures for the reception of waste in line with current and best operational practices LO 3: Identify techniques which can be used to ensure that waste delivery crews comply with organisational procedures		
<p style="text-align: center;">Knowledge <i>(assimilation of knowledge throughout learning)</i></p>	<p style="text-align: center;">Skills <i>(Ability to apply knowledge)</i></p>	<p style="text-align: center;">Competences <i>(Measure of responsibility and autonomy; ability to use knowledge, skills, social abilities)</i></p>
1) Recognise the correct procedures to direct waste delivery crews appropriately when arriving on site / LO 2		
<ul style="list-style-type: none"> - Demonstrate an advanced knowledge on relevant legislation applicable to the movement of traffic on site 	<ul style="list-style-type: none"> - Develop procedures for the direction of crews on site, in line with current legislation and best practice - Regularly review and amend operational procedures in line with current legislation 	<ul style="list-style-type: none"> - Assume responsibility for staff conducting the direction of crews - Respond to and manage any incidents on site, involving waste delivery crews



	and best practice	
2) Identify and understand the correct procedures for the reception of waste in line with current and best operational practices / LO 2		
<ul style="list-style-type: none"> - Demonstrate a critical understanding of the legal responsibilities for the reception of waste and how to ensure that they are incorporated into the waste reception procedures 	<ul style="list-style-type: none"> - Demonstrate advanced skills by consulting current and relevant information sources to identify the key aspects of waste reception procedures - Demonstrate mastery by regularly reviewing and amending waste reception procedures in line with current legislation and best practice 	<ul style="list-style-type: none"> - Manage the feedback process from staff and crews on the procedures for the direction of waste delivery crews
3) Identify techniques which can be used to ensure that waste delivery crews comply with organisational procedures / LO 3		
<ul style="list-style-type: none"> - Demonstrate an critical understanding of applicable legislation for waste delivery crews - Describe in detail the actions to take in the event of a breach in procedure by waste delivery crews 	<ul style="list-style-type: none"> - Demonstrate mastery by establishing effective lines of communication 	<ul style="list-style-type: none"> - Assume responsibility for waste delivery crews and monitor their activities regularly to ensure compliance



ULO TS-5	<u>TITLE:</u> Manage the process for mechanical treatment		EQF 6
Work tasks:	Ensure that the waste treatment operations are carried out and improved steadily		
Weighting:	2		
<u>Learning outcomes:</u> LO 1: Provide for supervision and improvement of the separation processes, including the adoption of innovative technologies LO 2: Implement measures in order to increase the efficiency of the system, improving the energy performance and reducing waste LO 3: Improve the mechanical step of the processes in order to reduce the size of the matter as much as possible, in view of the next step LO 4: Manage the maintenance of plant, vehicles and equipment on site			
Knowledge <i>(assimilation of knowledge throughout learning)</i>	Skills <i>(Ability to apply knowledge)</i>	Competences <i>(Measure of responsibility and autonomy; ability to use knowledge, skills, social abilities)</i>	
1) Provide for supervision and improvement of the separation processes, including the adoption of innovative technologies / LO 1			
- Demonstrate an advanced knowledge on how to distinguish between existing separation processes	- Demonstrate advanced skills by integrating preparatory separation techniques - Demonstrate mastery by applying the most	- Manage the examination of physical quantities related to the mechanical treatment - Manage the audit process relating to the	



<ul style="list-style-type: none"> - Demonstrate a critical understanding on how to separate flows on the basis of the homogeneity of composition - Demonstrate an in-depth understanding of the operational theory relating to the plant and equipment used on site - identify the factors which should be considered when selecting compacting systems 	<p>appropriate techniques for the pre-treatment of waste according to the characterisation of the waste source</p> <ul style="list-style-type: none"> - ensure that operatives have an appropriate understanding of the operational theory for the management of plant and equipment 	<p>incoming waste</p> <ul style="list-style-type: none"> - assume responsibility for choosing vehicles, plant and equipment best suited to the capacity of the site and waste types handled on the site
<p>2) Implement measures in order to increase the efficiency of the system, improving the energy performance and reducing waste / LO 2</p>		
<ul style="list-style-type: none"> - Identify the technologies for size, gravimetric and electromagnetic separation - Describe in detail the key performance indicators of plants in terms of mass balance, recovery and separation - Identify the various waste compaction systems available 	<ul style="list-style-type: none"> - Demonstrate advanced skills on how to design and how to combine different separation systems - Demonstrate mastery on how to observe, to examine and to choose the processes and existing technologies with a view to maximize materials recovery 	<ul style="list-style-type: none"> - Assume responsibility of the implementation of technologies to reduce emissions and energy consumption - select the most appropriate equipment for waste sorting operations in line with the necessary requirements of the materials handled on site <p>Assume responsibility for the health and safety aspects relating to the vehicles, plant & equipment used on site</p>
<p>3) Improve the mechanical step of the processes in order to reduce the size of the matter as much as possible, in view of the next step / LO 3</p>		



<p>- Demonstrate a critical understanding of the technologies for size reduction</p> <p>- Demonstrate advanced skills of the product final size to obtain</p> <p>- Demonstrate mastery by identifying the payload of waste to be treated</p> <p>- Manage the implementation of the most appropriate technologies for size reduction on the basis of the material to be treated and of its composition</p>		
<p>4) Manage the maintenance of plant, vehicles and equipment on site / LO 4</p>		
<ul style="list-style-type: none"> - Identify the maintenance requirements of all plant, vehicles and equipment used on site - Identify the legal requirements for routine maintenance activities - Determine the importance of ensuring that those undertaking maintenance activities understand the maintenance instructions - Identify the importance of keeping records of maintenance activities, breakdowns, faults and contingency plans - Determine the relationship between planned maintenance activities and breakdowns/faults 	<ul style="list-style-type: none"> - Develop a maintenance schedule for maintenance activities - Develop and implement procedures for maintenance activities which can be carried out internally - Ensure that maintenance activities are planned during periods of time least likely to cause disruptions to normal work activities - Identify contingency plans for when significant faults/breakdowns occur - Ensure that those responsible for maintenance activities have the necessary resources to carry them out effectively 	<ul style="list-style-type: none"> - Take responsibility for the realisation of maintenance activities - Issue permits-to-work to the relevant people - Take responsibility for the management of external engineers, contracted to conduct maintenance activities - Ensure all maintenance activities/test certificates are up to date - Ensure that action is taken to reduce or prevent breakdowns - Take responsibility for the health and safety aspects of maintenance activities



ULO TS-6	TITLE: Implement and maintain systems and procedures for site process management	EQF 6
Work tasks:	Set up and fulfil waste movement and contingency plans for the site	
Weighting:	2	
Learning outcomes: LO 1: Understand how to develop appropriate and effective schedules for the movement of waste on and off site LO 2: Identify the ways in which waste can be effectively managed on site LO 3: Understand how to develop and maintain appropriate contingency plans, in line with potential disruptions to site operations, to minimise impact on work activities LO 4: Monitor and Improve General Site Operations		
Knowledge <i>(assimilation of knowledge throughout learning)</i>	Skills <i>(Ability to apply knowledge)</i>	Competences <i>(Measure of responsibility and autonomy; ability to use knowledge, skills, social abilities)</i>
1) Understand how to develop appropriate and effective schedules for the movement of waste on and off site / LO 1		
<ul style="list-style-type: none"> - Demonstrate an advanced knowledge on how to monitor and record waste movement - Demonstrate a critical understanding on how to gather and use information to improve the 	<ul style="list-style-type: none"> - Demonstrate advanced skills by preparing schedules, which enhance operational performance, for movement of vehicles on and off site 	<ul style="list-style-type: none"> - Assume responsibility for the implementation of planned & agreed schedules



effectiveness of new or existing schedules - Describe in detail the importance of regular reviews of existing schedules		
2) Identify the ways in which waste can be effectively managed on site / LO 2		
- Demonstrate an advanced knowledge about current waste management techniques - Determine current legislation and BAT which is relevant to the waste managed on site	- Demonstrate advanced skills by evaluating current waste management techniques, relevant to the site	- Manage process of how to access and use useful as well as reliable information sources
3) Understand how to develop and maintain appropriate contingency plans, in line with potential disruptions to site operations, to minimise impact on work activities / LO 3		
- Determine in detail the importance of contingency planning	- Regularly review contingency plans, in line with previous performance, feedback, best practice and current legislation	- Assume responsibility for instructing staff - Ensure that all staff are aware of, and understand, the contingency plans in place
4) Monitor and Improve Site Operations / LO 4		
- Determine how to use relevant guidance and legislation - Demonstrate a critical understanding of all waste types received on site and their respective management options - Identify learning opportunities in your field	- Demonstrate advanced skills by applying current legislation, guidance and best practice applicable to the site - Demonstrate how to work with others effectively - Keep the skills required to effectively	- Take responsibility for the development, implementation and review of operational procedures, in line with current legislation and best operational practises - Show accountability for the management of operational practices on site



<p>of expertise</p> <ul style="list-style-type: none">- Determine the importance of maintaining accurate records relating to waste management operations on site- Identify opportunities to ensure the site runs at full capacity	<p>manage operations up to date</p> <ul style="list-style-type: none">- Maintain accurate records of waste sorting operations- Evaluate market trends and developments & predict the potential impact on business activities- Take action to secure contracts for incoming/outgoing waste	<ul style="list-style-type: none">- Deal with problems that arise during the management of operational practices on site- Implement and manage a quality management system for waste sorting operations- Assume responsibility for the successful operation of the site
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