



ULO EM-1	TITLE: Manage and implement policies and procedures for environmental protection on site		EQF 6
Work tasks:	Act in accordance to the relevant environmental permissions/laws		
Weighting:	2		
Learning outcomes: LO 1: Recognise the main principles required to construct environmental policies and procedures LO 2: Identify the techniques required for the effective review of environmental policies and procedures LO 3: Identify how to ensure everyone understands the principles of the environmental policies and procedures in place LO 4: Conduct an Environmental Analysis LO 5: EMS procedures implementation LO 6: Audit and Improve EMS			
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) Recognise the main principles required to construct environmental policies and procedures / LO 1			
- Describe the importance of keeping up to date with changes in environmental legislation and best practice	- Demonstrate an in-depth understanding of the environmental protection principles, relevant to your site - Identify and use relevant and up-to-date	- Manage the implementation of environmental policies and procedures, so that they are in line with current legislation and best practice	



	guidance and information sources for environmental best practice	
2) Identify the techniques required for the effective review of environmental policies and procedures / LO 2		
<ul style="list-style-type: none"> - Demonstrate advanced knowledge on the importance of keeping up to date with changes in environmental legislation and best practice 	<ul style="list-style-type: none"> - Use advanced skills to seek expert advice when needed - Identify and use relevant and up-to-date guidance and information sources for environmental best practice 	<ul style="list-style-type: none"> - Act independently to ensure the regular review and amendment of environmental policies and procedures - Monitor the implementation of environmental policies and procedures on a regular basis
3) Identify how to ensure everyone understands the principles of the environmental policies and procedures in place / LO 3		
<ul style="list-style-type: none"> - Demonstrate advanced knowledge on the importance of ensuring that everyone understands their obligations with regards to environmental protection 	<ul style="list-style-type: none"> - Use effective lines of communication - Obtain feedback from the staff 	<ul style="list-style-type: none"> - Assume responsibility for ensuring staff are adequately trained in H&S issues
4) Conduct an Environmental Analysis / LO 4		
<ul style="list-style-type: none"> - Define environmental analysis tools and techniques that will be implemented - Identify environmental impacts to air, water, soil quality 	<ul style="list-style-type: none"> - Demonstrate advanced skills to apply environmental analysis tools and techniques - Assess the significance of environmental consequences 	<ul style="list-style-type: none"> - Lead the environmental analysis team - Supervise and instruct the personnel on environmental analysis procedures
5) EMS procedures implementation / LO 5		



<ul style="list-style-type: none">- Define Environmental Management System (EMS) procedures that will be developed and implemented	<ul style="list-style-type: none">- Integrate EMS procedures into everyday workers' operation- Demonstrate advanced skills to plan corrective actions	<ul style="list-style-type: none">- Monitor and assume responsibility for implementation of EMS procedures
6) Audit and Improve EMS / LO 6		
<ul style="list-style-type: none">- Demonstrate an advanced knowledge of EMS audit plans	<ul style="list-style-type: none">- Design an EMS audit plan- Conduct EMS Inspections- Evaluate the EMS inspections results- Conduct corrective actions	<ul style="list-style-type: none">- Organise EMS audit teams- Assume responsibility for the implementation of audit feedback and corrective actions



ULO EM-2	TITLE: Manage environmental aspects of sustainable business practices		EQF 6
Work tasks:	Ensure the evaluation of the impact of environmental management in daily operations and in training programmes for staff		
Weighting:	2		
Learning outcomes: <ul style="list-style-type: none"> LO 1: Assessment of Environmental Operation of the solid waste management site LO 2: Manage and control the solid waste management facility environmental aspects and impacts LO 3: Plan and certify Human and Financial Resources on the management of Environmental aspects and impacts LO 4: Implement environmental training arrangements LO 5: Implement improvements to the environment LO 6: Identify, assess and respond to environmental emergency incidents 			
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) Assessment of Environmental Operation of the solid waste management site / LO 1			
<ul style="list-style-type: none"> - Demonstrate advanced knowledge to identify the parameters designated for the efficient environmental operation of the solid 	<ul style="list-style-type: none"> - Evaluate environmental operation of the solid waste management site - Design environmental site assessment 	<ul style="list-style-type: none"> - Monitor the implementation of environmental assessment techniques and processes 	



<p>waste management site</p> <ul style="list-style-type: none"> - Demonstrate advanced knowledge on applicable environmental site assessment processes 	<p>processes</p>	
<p>2) Manage and control the solid waste management facility environmental aspects and impacts / LO 2</p>		
<ul style="list-style-type: none"> - Explain in detail the environmental aspects and impacts associated with solid waste management operations - Demonstrate advanced knowledge to describe the main types of environmental impacts – emissions to air, waste/outputs disposal - Explain in detail the planning consents and environmental conditions applicable to the site - Demonstrate advanced knowledge to describe the benefits of improved environmental performance - Explain in detail the environmental incident and emergency arrangements at the solid waste management facility 	<ul style="list-style-type: none"> - Demonstrate advanced skills on the identification of environmental aspects in the workplace and their existing controls - Conduct an environmental assessment of the workplace, including the assessment of opportunities for environmental improvement - Seek advice from managers or specialists in environmental aspect evaluation when appropriate - Demonstrate advanced skills by providing accurate information about environmental matters relating to the workplace to personnel and other appropriate people (e.g. contractors, visitors, management, environmental regulators) 	<ul style="list-style-type: none"> - Implement appropriate action in respect to environmental aspects which constitute a high risk - Manage environmental aspects which constitute a low risk in accordance with organisational and operational procedures - Ensure that environmental aspect identification procedures and environmental impact assessments associated with solid waste management operations are carried out - Ensure environmental emergency arrangements, are reviewed and communicated to those involved - Ensure the completion of records/reports according to legislative requirements and/or organisational procedures - Ensure that records of environmental aspect identification and impact assessment to



		<p>regulatory and company requirements are maintained</p> <ul style="list-style-type: none"> - Ensure environmental impact assessments are completed, reviewed and are adequate and appropriate - Ensure checks that are carried out according to organisational procedures to ensure environmental control measures are effective and site is operational in compliance with environmental limits
3) Plan and certify Human and Financial Resources on the management of Environmental aspects and impacts / LO 3		
<ul style="list-style-type: none"> - Demonstrate advanced knowledge by identifying human and financial needs relating to environmental aspects and impacts 	<ul style="list-style-type: none"> - Evaluate and prioritise the needs relating to environmental aspects and allocate necessary human and financial resources 	<ul style="list-style-type: none"> - Manage the certification of human and financial resources on the facility's environmental aspects and impacts
4) Implement environmental training arrangements / LO 4		
<ul style="list-style-type: none"> - Demonstrate advanced knowledge on how to identify training needs - Demonstrate advanced knowledge on how 	<ul style="list-style-type: none"> - Designate environmental training programs for personnel and other involved persons - Maintain a record of continuing personnel 	<ul style="list-style-type: none"> - Manage the assessment of environmental training needs of solid waste management facility personnel



<p>to identify and explain the environmental training needs/requirements for those involved in solid waste management facility activities in relation to the specific aspects and impacts of solid waste related to the facility</p>	<p>environmental training and improvement</p>	<ul style="list-style-type: none"> - Supervise the implementation of the designated training programs - Supervise personnel training relating to environmental issues - Monitor, review and evaluate the effectiveness of the training programs
--	---	--

5) Implement improvements to the environment / LO 5

<ul style="list-style-type: none"> - Demonstrate in-depth knowledge of the benefits for improving the environment: within the site, to areas adjoining the site - Demonstrate advanced knowledge on the importance of good public relations 	<ul style="list-style-type: none"> - Conduct the review and evaluation of information, identifying opportunities for improving environmental issues, identified by impact assessment, identified by inspection and suggested by others - Conduct the development of plans to make environmental improvements: identified at system review, identified by impact assessment, identified by inspection, required by changes in regulation and/or in response to external agencies - Promote environmental issues, environmental good practice, environmental improvements - Develop and maintain good public relations 	<ul style="list-style-type: none"> - Monitor, review and evaluate the improvements made - Implement the improvement plans developed
---	--	---

6) Identify, assess and respond to environmental emergency incidents / LO 6



<ul style="list-style-type: none">- Demonstrate in-depth knowledge on environmental emergency incidents that may occur at the solid waste management facility	<ul style="list-style-type: none">- Design and implement environmental emergency response plans- Analyse environmental emergency response plans	<ul style="list-style-type: none">- Supervise the preparation and implementation of environmental emergency response plans- Manage the instruction and the coordination of implementation of environmental emergency response plans
---	--	--



ULO EM-3	TITLE: Ensure staff complies with organisational policies and procedures for environmental protection on site		EQF 6
Work tasks:	Oversee activities to ensure that all staff activities are in line with environmental policies and procedures		
Weighting:	1		
<p>Learning outcomes: LO 1: Identify techniques which can be used to ensure staff carry out their work activities in line with organisational environmental policies and procedures, and in line with both the permit conditions and current environmental legislation</p> <p>LO 2: Recognise ways to regularly assess staff behaviour, and the appropriate action to take in order that any environmental non-compliance issues are rectified immediately</p> <p>LO 3: Recognise the techniques available to ensure staff remain vigilant to environmental hazards and risks on site, and report any issues promptly</p>			
<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) Identify techniques which can be used to ensure staff carry out their work activities in line with organisational environmental policies and procedures, and in line with both the permit conditions and current environmental legislation / LO 1			
- Demonstrate advanced knowledge on how to check that staff understand their obligations with regard to environmental protection and	- Identify the implications that a breach in environmental compliance could have on the organisation and its employees	- Regularly monitor the staff during work activities, and identify any training gaps	



<p>why this should be done</p>	<ul style="list-style-type: none"> - Maintain records of all environmental protection activities, including breaches and determine the importance of doing this 	
<p>2) Recognise ways to regularly assess staff behaviour, and the appropriate action to take in order that any environmental non-compliance issues are rectified immediately / LO 2</p>		
<ul style="list-style-type: none"> - Demonstrate in-depth knowledge on how to identify the appropriate action to take in the event of a breach in environmental obligations - Demonstrate advanced knowledge on the importance of maintaining records of non-compliance 	<ul style="list-style-type: none"> - Gain feedback from staff on their environmental obligations 	<ul style="list-style-type: none"> - Regularly assess staff behaviour - Act independently to rectify any environmental non-compliance issues immediately - Regularly monitor staff during work activities, and measure their performance against set criteria
<p>3) Recognise the techniques available to ensure staff remain vigilant to environmental hazards and risks on site, and report any issues promptly / LO 3</p>		
<ul style="list-style-type: none"> - Demonstrate in-depth knowledge on potential environmental hazards and risks on site 	<ul style="list-style-type: none"> - Provide staff with guidance and procedures on environmental issues - Provide clear instruction for staff on environmental reporting procedures, and ensure that this can be carried out correctly 	<ul style="list-style-type: none"> - Assume responsibility for ensuring staff are adequately trained in environmental issues - Ensure that staff are aware of the implications that a breach of environmental compliance can have



ULO EM-4	TITLE: Monitor and maintain legislative compliance for environmental protection	EQF 6
Work tasks:	Conduct derivation reviews and implement measures to ensure a full complying with the law	
Weighting:	1	
Learning outcomes: LO 1: Compliance and implementation of environmental legislation LO 2: Ensure the absence of environmental repercussions and the adoption of the procedure required by law LO 3: Understand the ways that you can keep up to date with changes in permit conditions and environmental legislation LO 4: Identify techniques to plan and conduct regular environmental audits (internal and external) for the site, to ensure compliance with best practice, current legislation and organisational policies & procedures LO 5: Relate with stakeholders in order to make decisions taking into consideration the territorial needs		
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) Compliance and implementation of environmental legislation / LO 1		
<ul style="list-style-type: none"> - Demonstrate advanced knowledge of solid waste management environmental legislation - Explain in detail the environmental 	<ul style="list-style-type: none"> - Analyse environmental compliance legislation demands and coordinate undertaking of respective actions 	<ul style="list-style-type: none"> - Lead the management team responsible for Environmental Compliance measures - Assume responsibility for Environmental



<p>regulations applying to solid waste management operations</p> <ul style="list-style-type: none"> - Explain in detail which environmental studies must be compiled and submitted to environmental competent authorities - Explain in detail the constraints applied by: permit to waste recovery, local authorities, national environmental agencies and other competent authorities - Explain in detail the implications of regulation and conditions applying to environmental impacts 	<ul style="list-style-type: none"> - Communicate with and liaise with Environmental authorities 	<p>Compliance for overall solid waste management facility operations</p> <ul style="list-style-type: none"> - Manage the monitoring of the solid waste management facility to ensure environmental compliance with: national legislation and regulation, local consents, permissions and agreements, company systems and procedures - Ensure environmental records, confirming monitoring and compliance to regulatory and company requirements, are maintained
<p>2) Ensure the absence of environmental repercussions and the adoption of the procedure required by law / LO 2</p>		
<ul style="list-style-type: none"> - Demonstrate in-depth knowledge on the administrative and authorisation processes - Demonstrate advanced knowledge on the environmental constraints of the site activities 	<ul style="list-style-type: none"> - Arrange the implementation of SEA (Strategic Environmental Assessment), EIA (Environmental Impact Assessment), IPPC (Integrated Pollution Prevention and Control) guidance and procedures, where applicable - Arrange the implementation of measures for energy recovery 	<ul style="list-style-type: none"> - Ensure that plant operations have no harmful effects on the environment and on the surrounding ecosystem - Assume responsibility for the assessment and minimisation of the environmental impacts of the facility
<p>3) Understand the ways that you can keep up to date with changes in permit conditions and environmental legislation / LO 3</p>		
<ul style="list-style-type: none"> - Demonstrate advanced knowledge on ways 	<ul style="list-style-type: none"> - Demonstrate advanced skills by determining 	<ul style="list-style-type: none"> - Manage processes to identify recent trends



<p>to keep up to date with changes in permit conditions and environmental legislation</p>	<p>the role of external auditors</p> <ul style="list-style-type: none"> - Take into account the feedback and information from experts and other relevant information sources, for his/her decision making - Identify the implications of not keeping up to date with changes to permit conditions and legislation 	<p>and developments in his/her area of expertise</p>
<p>4) Identify techniques to plan and conduct regular environmental audits (internal and external) for the site, to ensure compliance with best practice, current legislation and organisational policies & procedures / LO 4</p>		
<ul style="list-style-type: none"> - Demonstrate in-depth knowledge to describe the principles of environmental audits for the site - Demonstrate an critical understanding of the process, and the results, of internal and external audits 	<ul style="list-style-type: none"> - Demonstrate advanced skills by preparing a schedule for internal and external audits, which is in line with all legislative responsibilities 	<ul style="list-style-type: none"> - Assume responsibility for the results of any audits, and demonstrate any changes to policies or procedures as a result of audit findings - Ensure that internal audits are carried out by trained individuals
<p>5) Relate with stakeholders in order to make decisions taking into consideration the territorial needs / LO 5</p>		
<ul style="list-style-type: none"> - Demonstrate advanced knowledge about the roles and functions of bodies responsible for the environmental control 	<ul style="list-style-type: none"> - Build a network of relationships - Demonstrate mastery by preparing documents based on requests coming from the competent bodies 	<ul style="list-style-type: none"> - Conduct an examination of needs and expectations of the local area - Assume responsibility for the interaction with competent bodies