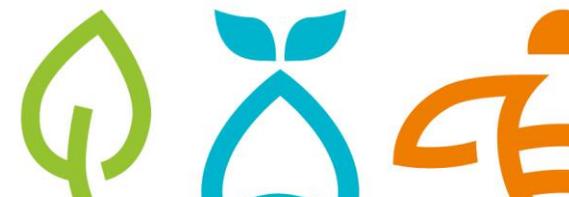


## Treatment Hazardous Waste

Learning Outcome	Assessment Criteria	Source
1. Understand hazardous waste consignment procedures	1.1 Identify the regulations and guidance applicable to the identification, classification and management of hazardous waste	<a href="https://www.netregs.org.uk/media/1436/gpp-21-final.pdf">https://www.netregs.org.uk/media/1436/gpp-21-final.pdf</a> <a href="https://www.netregs.org.uk/environmental-topics/waste/waste-treatment-processes/treating-hazardous-special-waste/">https://www.netregs.org.uk/environmental-topics/waste/waste-treatment-processes/treating-hazardous-special-waste/</a> <a href="https://www.daera-ni.gov.uk/sites/default/files/publications/daera/WM3%20NI%20v1.2.pdf">https://www.daera-ni.gov.uk/sites/default/files/publications/daera/WM3%20NI%20v1.2.pdf</a>
	1.2 State the definition for hazardous waste and how to classify waste as hazardous	<a href="https://www.daera-ni.gov.uk/sites/default/files/publications/doe/waste-guidance-consigning-hazardous-waste-2015.pdf">https://www.daera-ni.gov.uk/sites/default/files/publications/doe/waste-guidance-consigning-hazardous-waste-2015.pdf</a>
	1.3 Describe the process for completion of a hazardous waste consignment note	<a href="https://www.daera-ni.gov.uk/publications/waste-management-duty-care-code-practice">https://www.daera-ni.gov.uk/publications/waste-management-duty-care-code-practice</a>
	1.4 State the authorisations that may be required for the carriage of hazardous waste	<a href="https://www.netregs.org.uk/environmental-topics/transport/carriage-of-dangerous-goods">https://www.netregs.org.uk/environmental-topics/transport/carriage-of-dangerous-goods</a> <a href="https://www.hse.gov.uk/cdg/commonproblems/waste.htm">https://www.hse.gov.uk/cdg/commonproblems/waste.htm</a>
	1.5 Describe the actions required when hazardous waste is incorrectly consigned	<a href="https://www.gov.uk/guidance/hazardous-waste-rejected-loads-supplementary-guidance">https://www.gov.uk/guidance/hazardous-waste-rejected-loads-supplementary-guidance</a> <a href="https://www.daera-ni.gov.uk/publications/waste-summary-returns-form-and-guidance">https://www.daera-ni.gov.uk/publications/waste-summary-returns-form-and-guidance</a>
	1.6 Describe how to complete producer and consignee returns (including where and when to send them)	<a href="https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities/4-waste-storage-segregation-and-handling-appropriate-measures">https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities/4-waste-storage-segregation-and-handling-appropriate-measures</a>
	1.7 Explain why it is important to keep records of waste movements (including an up-to-date site inventory)	



2. Understand the requirements for waste pre-acceptance for hazardous waste treatment	2.1 Describe the requirements for characterising wastes in advance of their receipt	<a href="https://www.daera-ni.gov.uk/sites/default/files/publications/daera/WM3%20NI%20v1.2.pdf">https://www.daera-ni.gov.uk/sites/default/files/publications/daera/WM3%20NI%20v1.2.pdf</a> <a href="https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities/4-waste-storage-segregation-and-handling-appropriate-measures">GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste</a> <a href="https://www.netregs.org.uk/environmental-topics/waste/storage-handling-and-transport-of-waste/receiving-waste-or-sewage/">https://www.netregs.org.uk/environmental-topics/waste/storage-handling-and-transport-of-waste/receiving-waste-or-sewage/</a> <a href="https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities/4-waste-storage-segregation-and-handling-appropriate-measures">https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities/4-waste-storage-segregation-and-handling-appropriate-measures</a>
	2.2 Explain why it is important to characterise wastes in advance of their receipt	
	2.3 Identify what information is required prior to accepting hazardous waste for treatment as part of the pre-acceptance process	
	2.4 Outline the circumstances where it would be applicable to obtain and analyse: <ul style="list-style-type: none"> <li>• A representative sample of the waste</li> <li>• A composite sample of the waste</li> </ul>	
3. Understand the waste acceptance requirements and the criteria for rejecting waste at a hazardous treatment facility	3.1 Describe the procedures for waste acceptance, including reception, waste inspection, sampling, and identification	<a href="https://www.daera-ni.gov.uk/sites/default/files/publications/doe/duty-of-care-code-of-practice-june2016.pdf">https://www.daera-ni.gov.uk/sites/default/files/publications/doe/duty-of-care-code-of-practice-june2016.pdf</a> <a href="https://www.netregs.org.uk/environmental-topics/waste/storage-handling-and-transport-of-waste/receiving-waste-or-sewage/">https://www.netregs.org.uk/environmental-topics/waste/storage-handling-and-transport-of-waste/receiving-waste-or-sewage/</a> <a href="https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities/4-waste-storage-segregation-and-handling-appropriate-measures">GOV.UK – SGN S5.06 for Recovery and Disposal of Hazardous and Non-hazardous Waste</a> <a href="https://www.daera-ni.gov.uk/sites/default/files/publications/doe/waste-guidance-consigning-hazardous-waste-2015.pdf">https://www.daera-ni.gov.uk/sites/default/files/publications/doe/waste-guidance-consigning-hazardous-waste-2015.pdf</a>
	3.2 List the waste reception records kept on site.	
	3.3 Describe the procedures for the rejection of a non-conforming waste	
	3.4 Describe the requirements for keeping an audit trail of wastes from pre-acceptance to removal off site	
4. Understand how waste is stored on a hazardous waste treatment facility	4.1 Describe the infrastructure requirements (including site drainage) on site	<a href="https://www.gov.uk/guidance/develop-a-management-system-environmental-permits">Develop a management system: environmental permits - GOV.UK (www.gov.uk)</a> <a href="https://www.gov.uk/guidance/control-and-monitor-emissions">GOV.UK – Control and monitor emissions</a>



	<p>4.2 Describe the storage requirements for the hazardous waste types (including liquids and incompatible wastes) handled, and outputs stored on site</p>	<p><a href="https://www.gov.uk/government/publications/sector-guidance-note-s506-recovery-and-disposal-of-hazardous-and-non-hazardous-waste">GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste</a> <a href="https://www.daera-ni.gov.uk/articles/oil-storage">https://www.daera-ni.gov.uk/articles/oil-storage</a> <a href="https://www.daera-ni.gov.uk/sites/default/files/publications/daera/control-of-pollution-oil-storage-regulations-guidance.pdf">https://www.daera-ni.gov.uk/sites/default/files/publications/daera/control-of-pollution-oil-storage-regulations-guidance.pdf</a></p>
	<p>4.3 Describe measures for waste storage (in terms of labelling and tracking), segregation, and handling at a hazardous waste treatment facility</p>	<p><a href="https://www.netregs.org.uk/environmental-topics/waste/hazardous-special-waste/producing-and-storing-hazardous-special-waste">https://www.netregs.org.uk/environmental-topics/waste/hazardous-special-waste/producing-and-storing-hazardous-special-waste</a> <a href="https://www.hseni.gov.uk/clp-hazard-pictograms">https://www.hseni.gov.uk/clp-hazard-pictograms</a> <a href="https://www.netregs.org.uk/environmental-topics/waste/hazardous-special-waste/treating-and-disposing-of-hazardous-special-waste/">https://www.netregs.org.uk/environmental-topics/waste/hazardous-special-waste/treating-and-disposing-of-hazardous-special-waste/</a></p>
	<p>4.4 Describe when compatibility testing would be required at a hazardous waste treatment facility</p>	<p><a href="https://www.hse.gov.uk/chemical-warehousing-4th-edition-2009/">HSE – HSG71 Chemical Warehousing (4th edition, 2009)</a> <a href="https://www.netregs.org.uk/environmental-topics/waste/storage-handling-and-transport-of-waste/receiving-waste-or-sewage/">https://www.netregs.org.uk/environmental-topics/waste/storage-handling-and-transport-of-waste/receiving-waste-or-sewage/</a></p>
	<p>4.5 Describe how to store combustible wastes to minimise the risk of fire on site and minimise its impact</p>	<p><a href="https://www.hse.gov.uk/storage-of-flammable-liquids-in-containers-hsg51/">Storage of flammable liquids in containers HSG51 (hse.gov.uk)</a> <a href="https://www.wishforum.org.uk/WASTE-28.pdf">WASTE-28.pdf (wishforum.org.uk)</a> <a href="https://www.gov.uk/government/publications/fire-prevention-plans-environmental-permits/fire-prevention-plans-environmental-permits#fire-prevention-plan-contents">https://www.gov.uk/government/publications/fire-prevention-plans-environmental-permits/fire-prevention-plans-environmental-permits#fire-prevention-plan-contents</a></p>
<p>5. Understand how to deal with outputs from hazardous waste treatment facilities</p>	<p>5.1 Describe how to apply the waste hierarchy to the management of any waste residues from hazardous treatment activities</p>	<p><a href="https://www.daera-ni.gov.uk/sites/default/files/publications/doe/duty-of-care-code-of-practice-june2016.pdf">https://www.daera-ni.gov.uk/sites/default/files/publications/doe/duty-of-care-code-of-practice-june2016.pdf</a> <a href="https://www.gov.uk/guidance/dispose-of-waste-to-landfill">https://www.gov.uk/guidance/dispose-of-waste-to-landfill</a> <a href="https://www.legislation.gov.uk/nisr/2003/496/regulation/2/made">https://www.legislation.gov.uk/nisr/2003/496/regulation/2/made</a></p>
	<p>5.2 Describe how to comply with the Waste Acceptance Criteria so waste that has undergone hazardous treatment activities can be disposed in a hazardous waste landfill</p>	<p><a href="https://www.ciwm.co.uk/pre-treatment-of-waste/">Pre-treatment of Waste (ciwm.co.uk)</a> <a href="https://www.daera-ni.gov.uk/publications/waste-summary-returns-form-and-guidance">https://www.daera-ni.gov.uk/publications/waste-summary-returns-form-and-guidance</a></p>
	<p>5.3 List the records required for the treatment of residues</p>	



6. Understand the main requirements for treating hazardous waste on site	6.1 Describe the different hazardous waste treatment processes	<a href="https://www.netregs.org.uk/environmental-topics/waste/hazardous-special-waste/treating-and-disposing-of-hazardousspecial-waste/Sector%20Guidance%20Note%20S5.06%3A%20recovery%20and%20disposal%20of%20hazardous%20and%20non-hazardous%20waste%20-%20GOV.UK%20(www.gov.uk)">https://www.netregs.org.uk/environmental-topics/waste/hazardous-special-waste/treating-and-disposing-of-hazardousspecial-waste/Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - GOV.UK (www.gov.uk)</a> <a href="https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities">Chemical waste: appropriate measures for permitted facilities - Guidance - GOV.UK (www.gov.uk)</a> <a href="https://www.legislation.gov.uk/nisr/2003/496/regulation/2/made">https://www.legislation.gov.uk/nisr/2003/496/regulation/2/made</a> <a href="https://www.ciwm.co.uk/pre-treatment-of-waste">Pre-treatment of Waste (ciwm.co.uk)</a>
	6.2 Describe the different sources of emissions from the hazardous waste treatment process and how to minimise their impact	
	6.3 Differentiate between sorting, repackaging, and bulking hazardous wastes	
	6.4 Explain when mixing wastes becomes a treatment process	
7. Understand how to maintain adequate resources for site operations	7.1 Describe the technical skills required for hazardous waste treatment operations on site	<a href="https://www.daera-ni.gov.uk/sites/default/files/publications/daera/working-plan-guidance-june-2017.pdf">https://www.daera-ni.gov.uk/sites/default/files/publications/daera/working-plan-guidance-june-2017.pdf</a> <a href="https://www.wishforum.org.uk/wp-content/uploads/2019/06/WASTE-08.pdf">https://www.wishforum.org.uk/wp-content/uploads/2019/06/WASTE-08.pdf</a> <a href="https://www.wishforum.org.uk/wp-content/uploads/2020/05/WASTE-21-Health-and-safety-training-v3-Jan-2020.pdf">https://www.wishforum.org.uk/wp-content/uploads/2020/05/WASTE-21-Health-and-safety-training-v3-Jan-2020.pdf</a> <a href="https://www.hse.gov.uk/pubns/indg345.pdf">https://www.hse.gov.uk/pubns/indg345.pdf</a>
	7.2 Explain how to ensure that relevant staff have the required skills and training	
	7.3 Describe how to communicate work instructions to personnel verbally and in writing	
	7.4 Explain why it is important to ensure that staff understand instructions, and how to ensure this is achieved	
8. Understand the main causes of accidents at hazardous waste treatment facilities and how to prevent them	8.1 Identify the causes of accidents on a hazardous waste treatment facility	<a href="https://www.hseni.gov.uk/news/workplace-transport-safety-inspections-private-waste-premises-set-get-underway">https://www.hseni.gov.uk/news/workplace-transport-safety-inspections-private-waste-premises-set-get-underway</a> <a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/288603/LIT_6837_0ab98f.pdf">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/288603/LIT_6837_0ab98f.pdf</a> <a href="https://www.hseni.gov.uk/articles/provision-and-use-work-equipment-regulations-northern-ireland-1999-puwer">https://www.hseni.gov.uk/articles/provision-and-use-work-equipment-regulations-northern-ireland-1999-puwer</a>
	8.2 Identify the methods used to prevent accidents on a hazardous waste treatment facility	



9. Understand how to deal with complaints	9.1 Describe the actions that should be taken if a member of staff or the public identify a potential area of non-compliance or make a complaint	<a href="https://www.netregs.org.uk/environmental-topics/nuisances/noise-odour-and-other-nuisances/good-practice-to-avoid-causing-nuisance/">https://www.netregs.org.uk/environmental-topics/nuisances/noise-odour-and-other-nuisances/good-practice-to-avoid-causing-nuisance/</a> <a href="https://www.netregs.org.uk/media/1898/guidance-for-pollution-prevention-1-2022-update.pdf">https://www.netregs.org.uk/media/1898/guidance-for-pollution-prevention-1-2022-update.pdf</a>
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