

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	GOV.UK – SR2015 No6 NRW - How to comply with your permit Hazardous waste: Overview - GOV.UK (www.gov.uk) Waste classification technical guidance WM3.pdf (publishing.service.gov.uk)
	1.2 State the definition for hazardous waste and how to classify waste as hazardous	GOV.UK Consignment Notes NRW – Consignment Notes GOV.UK - Hazardous Waste Consignment note
	1.3 Describe the process for completion of a hazardous waste consignment note	Hazardous waste: consignment note guidance - GOV.UK (www.gov.uk) https://www.hse.gov.uk/cdg/commonproblems/waste.htm https://www.gov.uk/guidance/hazardous-waste-consignment-note-supplementary-guidance#when-consignment-notes-are-needed
	1.4 State the authorisations that may be required for the carriage of hazardous waste	https://naturalresources.wales/guidance-and-advice/environmental-topics/waste-management/how-to-complete-a-hazardous-waste-consignment-note/?lang=en
	1.5 Describe the actions required when hazardous waste is incorrectly consigned	https://www.gov.uk/guidance/hazardous-waste-rejected-loads-supplementary-guidance
	1.6 Describe how to complete producer and consignee returns (including where and when to send them)	https://www.gov.uk/government/publications/hazardous-waste-consignee-returns-spreadsheet https://www.gov.uk/guidance/hazardous-waste-returns-supplementary-guidance#returns-for-rejected-waste
	1.7 Explain why it is important to keep records of waste movements (including an up-to-date site inventory)	GOV.UK - Consignee Returns Procedures NRW – When to send a consignee return https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities/4-waste-storage-segregation-and-handling-appropriate-measures



		https://naturalresources.wales/permits-and-permissions/waste-permitting/register-or-renew-as-a-hazardous-waste-producer/?lang=en
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	GOV.UK Hazardous Waste Classification Technical Guidance
	2.2 Explain why it is important to characterise wastes in advance of their receipt	GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste
	2.3 Identify what information is required prior to accepting hazardous waste for treatment as part of the pre-acceptance process	Chemical waste: appropriate measures for permitted facilities - Guidance - GOV.UK (www.gov.uk) Chemical waste: appropriate measures for permitted facilities - 3. Waste pre-acceptance, acceptance and tracking appropriate measures - Guidance - GOV.UK (www.gov.uk)
	2.4 Outline the circumstances where it would be applicable to obtain and analyse: <ul style="list-style-type: none"> • A representative sample of the waste • A composite sample of the waste 	https://www.gov.uk/guidance/chemical-waste-appropriate-measures-for-permitted-facilities/4-waste-storage-segregation-and-handling-appropriate-measures Non-hazardous and inert waste: appropriate measures for permitted facilities - 3. Waste pre-acceptance, acceptance and tracking - Guidance - GOV.UK (www.gov.uk)
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	GOV.UK – SGN S5.06 for Recovery and Disposal of Hazardous and Non-hazardous Waste
	3.2 List the waste reception records kept on site.	NRW – How to comply with your permit Hazardous waste: consignment note guidance - GOV.UK (www.gov.uk) Hazardous waste: rejected loads guidance - GOV.UK (www.gov.uk)
	3.3 Describe the procedures for the rejection of a non-conforming waste	GOV.UK – Hazardous Waste (Wales) Regs (2005) https://naturalresources.wales/guidance-and-advice/environmental-topics/waste-management/how-to-complete-a-hazardous-waste-consignment-note/?lang=en
	3.4 Describe the requirements for keeping an audit trail of wastes from pre-acceptance to removal off site	Gov.UK – Returns for rejected hazardous waste



4. Understand how waste is stored on a hazardous waste treatment facility	4.1 Describe the infrastructure requirements (including site drainage) on site	Develop a management system: environmental permits - GOV.UK (www.gov.uk) Water discharge and groundwater activity' . Updated DEFRA and EA Guidance (atfpro.co.uk) GOV.UK – Control and monitor emissions NRW – How to comply with your permit GOV.UK Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste Oil storage regulations for businesses - GOV.UK (www.gov.uk) Chemical waste: appropriate measures for permitted facilities - Guidance - GOV.UK (www.gov.uk) https://www.gov.uk/dispose-hazardous-waste https://www.hse.gov.uk/chemical-classification/labelling-packaging/hazard-symbols-hazard-pictograms.htm https://www.gov.uk/guidance/hazardous-waste-segregation-and-mixing HSE – HSG71 Chemical Warehousing (4th edition, 2009) Storage of flammable liquids in containers HSG51 (hse.gov.uk) WASTE-28.pdf (wishforum.org.uk) NRW – Fire Prevention mitigation plan document https://naturalresources.wales/media/684379/guidance-note-16-fire-prevention-mitigation-plan-english.pdf
	4.2 Describe the storage requirements for the hazardous waste types (including liquids and incompatible wastes) handled, and outputs stored on site	
	4.3 Describe measures for waste storage (in terms of labelling and tracking), segregation, and handling at a hazardous waste treatment facility	
	4.4 Describe when compatibility testing would be required at a hazardous waste treatment facility	
	4.5 Describe how to store combustible wastes to minimise the risk of fire on site and minimise its impact	
5. Understand how to deal with outputs from hazardous waste treatment facilities	5.1 Describe how to apply the waste hierarchy to the management of any waste residues from hazardous treatment activities	Defra issues guidance for applying the waste hierarchy - edie Guidance on applying the waste hierarchy - GOV.UK (www.gov.uk) DEFRA: Waste Hierarchy Guidance https://www.gov.uk/guidance/dispose-of-waste-to-landfill assess and describe all waste waste acceptance criteria (WAC) and waste acceptance procedures Pre-treatment of Waste (ciwm.co.uk) National operator waste returns - GOV.UK (www.gov.uk) https://www.gov.uk/dispose-hazardous-waste/consignees
	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	rejected loads
	5.3 List the records required for the treatment of residues	
6. Understand the main requirements for treating hazardous waste on site	6.1 Describe the different hazardous waste treatment processes	Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - GOV.UK (www.gov.uk) Chemical waste: appropriate measures for permitted facilities - Guidance - GOV.UK (www.gov.uk) Pre-treatment of Waste (ciwm.co.uk)
	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.	https://www.gov.uk/guidance/develop-a-management-system-environmental-permits#managing-staff-competence-and-training-records https://www.wishforum.org.uk/wp-content/uploads/2019/06/WASTE-08.pdf
	7.2 Explain how to ensure that relevant staff have the required skills and training.	https://www.hse.gov.uk/waste/training.htm https://www.hse.gov.uk/pubns/indg345.pdf https://www.hse.gov.uk/humanfactors/topics/communications.htm
	7.3 Describe how to communicate work instructions to personnel verbally and in writing.	Legal operator and competence requirements: environmental permits - GOV.UK (www.gov.uk)
	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	8.1 Identify the causes of accidents on a hazardous waste treatment facility	https://www.hse.gov.uk/waste/transport.htm https://www.hse.gov.uk/statistics/industry/waste-recycling.pdf



facilities and how to prevent them	8.2 Identify the methods used to prevent accidents on a hazardous waste treatment facility	https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/288603/LIT_6837_0ab98f.pdf https://www.hse.gov.uk/waste/machinery.htm
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	https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/790040/SR2015_No5_household_commercial_and_industrial_waste_transfer_station_no_building.pdf GOV.UK - Develop a management system NRW – How to comply with your permit

