

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	Hazardous waste: Overview Waste classification technical guidance The Hazardous Waste (England and Wales) Regulations 2005 Introduction to the carriage of dangerous goods Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste
	1.2 State the definition for hazardous waste and how to classify waste as hazardous	Carriage of Dangerous Goods Manual – Regulatory environment ADR, CDG Regs and Dangerous Goods Safety Advisors
	1.3 Describe the process for completion of a hazardous waste consignment note	Hazardous waste: consignment note guidance Natural Resources Wales / How to complete a hazardous waste consignment note
	1.4 State the authorisations that may be required for the carriage of hazardous waste	Hazardous waste: Consignees Hazardous waste: Carriers Natural Resources Wales / Register or renew as a waste carrier, broker or dealer
	1.5 Describe the actions required when hazardous waste is incorrectly consigned	Carriage of Dangerous Goods - Crew and Vehicle requirements Carriage of Dangerous Goods - What are the regulations relating to the carriage of waste?
	1.6 Describe how to complete producer and consignee returns (including where and when to send them)	Waste duty of care code of practice.pdf Hazardous waste: rejected loads guidance National operator waste returns
	1.7 Explain why it is important to keep records of waste movements (including an up-to-date site inventory)	Develop a management system: environmental permits How to comply with your environmental permit Chemical waste: appropriate measures for permitted facilities - 4. Waste storage, segregation and handling appropriate measures Natural Resources Wales / Register or renew as a hazardous waste producer



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	Chemical waste: appropriate measures for permitted facilities - 3. Waste pre-acceptance, acceptance and tracking appropriate measures Non-hazardous and inert waste: appropriate measures for permitted facilities - 3. Waste pre-acceptance, acceptance and tracking Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste How to comply with your environmental permit Waste classification technical guidance Chemical classification: The GB CLP Regulation Natural Resources Wales / Register or renew as a hazardous waste producer
	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: • A representative sample of the waste • A composite sample of the waste	
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	Hazardous waste: rejected loads guidance The Hazardous Waste (Wales) Regulations 2005 Chemical waste: appropriate measures for permitted facilities - 3. Waste pre-acceptance, acceptance and tracking appropriate measures Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste How to comply with your environmental permit Non-hazardous and inert waste: appropriate measures for permitted facilities - 3. Waste pre-acceptance, acceptance and tracking
	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	Control and monitor emissions for your environmental permit Develop a management system: environmental permits How to comply with your environmental permit



	4.2 Describe the storage requirements for the hazardous waste types (including liquids and incompatible wastes) handled, and outputs stored on site	Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste Oil storage regulations for businesses Chemical waste: appropriate measures for permitted facilities Hazardous waste: segregation and mixing Chemical warehousing. The storage of packaged dangerous substances HSG71 Chemical waste: appropriate measures for permitted facilities - 4. Waste storage, segregation and handling appropriate measures Natural Resources Wales / Register or renew as a hazardous waste producer Hazardous waste: Overview Guidance No. 16 Fire prevention and mitigation plan - waste management Fire prevention plans: environmental permits Hazardous waste management facilities: review of incidents WASTE-28.pdf Incidents and Accidents
	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	Waste hierarchy guidance Understanding the Landfill Directive LFD 1 Dispose of waste to landfill The Council Decision
	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	
	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	Pre-treatment of Waste How to comply with your environmental permit SR2015 No6 - 75kte household commercial and industrial waste transfer station with treatment 75kte household commercial and industrial waste transfer station with treatment Control and monitor emissions for your environmental permit Waste duty of care code of practice.pdf Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste LIT 10293 Standard Rules SR2015 No.20: 75kte non-hazardous and hazardous household waste amenity site Chemical waste: appropriate measures for permitted facilities - 4. Waste storage, segregation and handling appropriate measures
	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.	Legal operator and competence requirements: environmental permits Develop a management system: environmental permits Health and safety training SR2015 No6 - 75kte household commercial and industrial waste transfer station with treatment WASTE-08.pdf WASTE-21-Health-and-safety-training-v3-Jan-2020.pdf Effective Communication Methods in an Organization Human factors/ergonomics – Safety critical communications
	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	Waste Management: Frequently Asked Questions Health surveillance - Overview Waste management and recycling - Transport Waste statistics in Great Britain, 2022 The storage of flammable liquids in containers
	8.2 Identify the methods used to prevent accidents on a	



	hazardous waste treatment facility	Managing risk using PPE - Using personal protective equipment (PPE) to control risks at work - HSE Hierarchy of risk reduction measures Machinery - Waste management and recycling
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	Develop a management system: environmental permits How to comply with your environmental permit

